

3.7.1 Number of functional MoUs/linkage with institutions/ industries in India and abroad for internship, on-the-job training, project work, student/ faculty exchange and collaborative research during the last five years (10)

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Sl No	Year of signing MoU	Name of the organization with whom MOU/Collaboration being signed	Duration	Purpose of MOU/Collaboration	List of the actual activities under each MOU year-wise	Date of Activity conducted
1	2023	Loretto Tech Systems	1 Year	Research Collaboration and consultancy project	Completed Industry- Consultancy Project	Invoice raised on 20-07-2023
2	2023	NITTE University Centre for Science Education and Research - NUCSER	5 Years	Cooperative Projects in Research and Education.	2023: Students participated in NITTE for Hands-on workshop on Genome analysis, 17-21 July 2023 (4 PhD student participated: Ms. Saranya, Ms Vidhya, Ms. Sharayu and Mr. Nandhakumar) Submitted joint proposals to ICMR: Project title: Development of MALDI TOF MS reference database for rapid detection of antimicrobial resistant ESKAPE pathogen (ICMR Proposal Id: IIRPIG-2023-0000964, Submitted on 30 July 2023) Submitted joint proposals to DBT: Project title: Phandage: Development of novel lytic phage impregnated bandage for treating wound infection (Project ID: BT/PR50629/MED/32/987/2023) Presentation submitted on 06.10.2023.	17-21 July 2023 30th July 2023 06th June 2023
3	2023	Tamkang University, Taiwan	5 Years	Semester Abroad Program, Student Exchange Program	Two students completed internships	1 March 2023 to 23 June 2023.
4	2023	Efftronics Systems Pvt Ltd, Mangalagiri	5 Years	Skill development programs, guest lectures, faculty development Programs, research and consultancy, innovation and incubation	2023: Mr. Ramakrishna, MD & CEO of Efftronics visited SRMAP on 27th sept 2023 and discussed research Collaboration on "Fail Safe Systems" for Indian Railways. A team of faculty led by Dr. Udaya Sankar visited the company on 25th Oct 2023. Faculty development programs and Project Proposal themes were discussed.	27th sept 2023
5	2023	University of Kentucky, USA	5 Years	1. Transfer Program 2. Knowledge sharing	Organised workshop on "How interactions between climate and land use/land cover changes can affect water resources"	June 2023
6	2023	University of The West of Scotland, UK	5 Years	Semester Abroad Program	SAP Opportunities explored in Spring 2024	July 2023
7	2023	Southern Cross University (SCU)	4 Years	To promote cooperation in the teaching learning and research activities	2023: Working on a draft project proposal Title: Quantifying pollutant loads and pathways in the Ganges River system"	30th April 2023


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8	2023	Shirak State University, Armenia	3 Years	Semester Abroad Program/student or faculty exchange	SAP Opportunities explored for Spring 2024	Jul-23
9	2023	University of Notre Dame, USA	5 Years	Semester Abroad Program	SAP Opportunities explored for Spring 2024	July 2023
10	2023	Andhra Pradesh Space Applications Centre (APSAC)	2 Years	Exchange of Knowledge, Joint Research Programs, Research Collaboration	2023: A Webinar series was conducted on "Democratization of geographical information systems education perspectives in India" dated 25th Aug 2023.	25th Aug 2023.
11	2023	OLA Cell Technologies Private Limited	2 Years	To develop Cathode materials for E Vehicle and Development of Battery Management System.	Project proposal Submitted with Title: "Searching for anode materials (ex: Graphite/Silicon heterostructures) and screening of binders for the respective anode materials for LiBs"	02-July-23
12	2023	Indian Institute of Technology Guwahati, India	5 Years	Furthering cooperation in education and R&D activities, promote academic collaborations and participate in various academic endeavours.	Year 2022-23: Joint supervision of two phd students of SRM-AP. Published one Research Article in Scopus	01-09-2022 to 30-09-2022 01-June-2023
13	2023	Instituto Politecnico De Braganca, Portugal	3 Years	Semester Abroad Program	SAP Opportunitites explored in Spring 2024	Jul-23
14	2023	Holon Institute of Technology, Israel	5 Years	Student Exchange and Faculty Exchange Program	SAP Opportunities explored in Spring 2024	Jul-23
15	2023	SRM Technologies Pvt Ltd	2 Years	Research Collaboration and Internships	2023: Students completed internship during June to August 2023	22nd June 2023 to 5th August 2023
16	2023	University of Waikato, New Zealand	5 Years	Semester Abroad Program, Transfer Program	Five students from Civil Engineering department shortlisted for virtual research internship on Structural analysis on composite structures of cold-formed steel and wood panel systems from 6th Feb 2023 to 6th May 2023. One student completed the internship	6 Feb 2023 to 6 May 2023
17	2023	Universiti Teknologi Mara, Malaysia	3 Years	Faculty exchange/ Semester Abroad Program / Global Immersion	3 students of Mechanical Engineering department did a virtual research internship on Simulation of Manufacturing Process (Forming/Welding/Metal Additive Manufacturing) from 1st Nov 2022 to 30th April 2023.	1 Nov 2022 to 30 April 2023
18	2023	Ming Chi University of Technology, Taiwan	5 Years	Exchange of faculty members and students for study and research. Promote and joint research activities and publications, transfer Program	1) Three Students went for summer school in 2023, Exchange and research opportunities were explored Program Dates : 3-07-2023 to 12-07-2023 2) One Research Article Published in IEEE Access	03 July 2023 to 12 July 2023
19	2022	Ureka Education Group	3 Years	Research Collaboration	13 Students hassuccess fully completed Global Immersion Programme in 2022	12-August-2023
20	2022	Monash University, Australia	5 Years	Semester Abroad Program	SAP Opportunities explored in Spring 2024	July 2023


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21	2022	Cheers Wisdom Pvt Ltd	2 months	Designing a technical architecture for the company product	Consultancy project completed for "Designing technical architecture for Emotional Intelligence"	12th December 2022
22	2022	Western Michigan University, USA	5 Years	Semester Abroad Program	SAP Opportunities explored in Spring 2023, 2024	Sept 2022, July 2023
23	2022	Universiti Teknologi Petronas, Malaysia	5 Years	Semester Abroad Program, Transfer Program, Global Immersion	UTP Student Familiarization Programme has been conducted at UTP Malaysia in the year 2022, 2 cohort of 26 and 21 students (summer), 1 cohort of 29 students (winter) Aadigyan - Indian Immersion Programme - 2022, 10 students of UTP has participated and came to SRM AP UTP Student Familiarization Programme in the year 2023, a cohort of 17 students participated (Winter) SAP Opportunities explored in Spring 2024, Transfer programs promoted since 2022	19th June 2022 to 25th June 2022 26th June 2022 to 2nd July 2022 17th July 2022 to 27th July 2022 19th Jan 2023 to 28th Jan 2023 Sept 2022, July 2023
24	2022	Universitas Muhammadiyah Sukabumi, Indonesia	3 Years	Student or faculty exchange Global Immersion Program, Student or faculty exchange	9 students from SRM AP has been participated in the UMMI Immersion Programme for the year 2023(winter)	19th Jan 2023 to 28th Jan 2023
25	2022	Rennes School of Business, France	2 Years	Transfer Program	One student enrolled for Transfer Program	20-Jul-23
26	2022	Stanford India Private Limited and Hatchlab Research Centre	6 months	Stanford Seed Spark is a five month long online entrepreneurship program that provides practical tools to help aspiring/early-stage founders to refine their business or business idea. Spark is an initiative of the Stanford Graduate School of Business and Stanford Seed.	2022: Startup EatX Inc from Hatchlab Research Centre participated in the Seed Spark online entrepreneurship program starting from September 01st, 2022 to December 31st 2022. 2023: startup "Rama Raghava Consumables Pvt Ltd" offered admission int to the Seed Spark Online Entrepreneurship Program offered by Stanford Seed (Seed Spark 07 South Asia, June-Nov 2023 Cohort).	2022: September 01st, 2022 to December 31st 2022. 2023: June 2023 to Nov 2023
27	2022	Taurean Surgical, Hyderabad	10 Years	Deliver webinars and internship to students, provide joint research projects to B.Tech/M.Tech students and recruits pass-out students.	2022: Research Consultancy Project Proposal Submitted with Title " Image-Guided Robotic Surgery" on 5th Sept 2022.	5th Sept 2022
28	2022	Infosys Spring Board	5 Years	Self learning digital platform comprising of 13000 plus course, industry employability skill and different certificate and internship opportunity	2023: Infosys Ltd., in collaboration with the Directorate of CR & CS department, conducted an orientation session by the name Infosys Springboard for Free Digital self learning courses/certificates/internships.	01-08-2022
29	2022	Waman Hari Pethe & Sons	1 Year	Research Collaboration and consultancy project	Completed a Industry- Consultancy Project	09th June 2022

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30	2022	The Hebrew University of Jerusalem, Israel	3 Years	Semester Abroad Program	1. SAP Opportunities explored in Spring 2024 2. One Research Article Published in National Institutes of Health	July 2023 October- 2023
31	2022	University College Dublin, Ireland	3 Years	Semester Abroad Program	Published 3 collaborative research articles in Applied Physics, Innovative Process and Materials in Additive Manufacturing, Photonics, Scientific Reports.	June- 2022 May- 2023 December- 2023
32	2022	Speed Engineering Solutions Pvt Ltd	10 Years	Research Collaboration and Provide Internships to Students	Conducted a webinar for students titled: "Product Design and Development"	23-April-2022
33	2022	State University of New York - Oswego, USA	5 Years	Transfer Program	1. Two Research Article Published in Biomass, Biofuels, Bio chemicals 2. Transfer programs promoted since 2022	Sept 2022
34	2022	Ziroh Labs pvt ltd, Bangalore	3 Years	Research and Development on cryptography, networks and distributed systems.	2023: Ziroh Labs has Conducted a webinar on "How are you exposing your information online".	23-April-2022
35	2022	NIRT Renewable Energy Private Limited	5 Years	Collaborative research and consultancy work	Completed a consultancy project	22- December-2022
36	2022	Universidad Austral, Argentina	5 Years	Semester Abroad Program , Student or faculty exchange	SAP Opportunites explored in Spring 2023, 2024	July 2023
37	2022	Cyprus West University, Cyprus	5 Years	Exchange of faculty/students/research activities	SAP Opportunites explored in Spring 2023	Feb-May 2023
38	2021	Titan Company Limited	1 Year	Research Collaboration and consultancy project	Completed a industry- consultancy Project and obtained 1 patent	13-09-2021 Invoice raised 20-09-2022 Invoice raised Published a patent on 28 May 2021 and same has been granted on 15 Sept 2023
39	2021	CSIR- Indian Institute of Chemical Technology- Hyderabad	10 Years	Teaching & Research Collaboration, Mutual Project Proposals & Faculty-Student & Scientists Exchange	2021: Samples analysis and characterization 2022: Samples analysis and characterization 2023: Samples analysis and characterization	22-12-2021 25-02-2022 19-07-2022 12-04-2023
40	2021	Anadolu University ,Turkey	5 Years	Semester Abroad Program , Student or faculty exchange	SAP Opportunites explored in Spring 2023, 2024	July 2023
41	2021	Halic University ,Turkey	5 Years	Semester Abroad Program , Student or faculty exchange	SAP Opportunites explored in Spring 2023, 2024	July 2023
42	2021	James Cook University ,Singapore	3 Years	Semester Abroad Program	SAP Opportunites explored in Spring 2023, 2024	July 2023


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43	2021	Indian Institute of Technology, Bhilai	2 Years	To pursue DST (Indo-Israel Joint Research Co-operation - IJRC) sponsored project entitled "A Halide Perovskite based Photoanode for Oxygen Evolution Reaction Using a molecular Diode in a Hybrid Nanometer Scale SCALE PROTECTION LAYER.	Year 2021: Online Zoom meeting with the PIs and the international collaborator Dr. Eran, Ben-guaran university of Negev, Israel Year 2022: a) Room-temperature cost-effective in-situ grown MAPbBr ₃ crystals and their characterization towards optoelectronic devices b) Asymmetrical Electrical Performance across Different Planes of Solution-Grown MAPbBr ₃ Crystals of mm Dimensions c) Effect of formamidineium (FA) ions on mixed 'A'-site based bromide perovskite (APbBr ₃) thin films	13th Sept 2021 28th June 2022 13th Oct 2022 21st Oct 2022
44	2021	The Regents of University of California, On behalf of its Davis Campus (UC Davis),USA	4 Years	Semester Abroad Program	One student completed Semester Abroad Program in the year - 2022	28 Mar to 18 June 2022
45	2020	Flinders University	5 Years	Academic and research collaboration	Published 4 collaborative research articles in Journal of Power sources, Journal of Parallel and Distributed Computing, Applied Surface Science & Solar Energy.	30 October 2020 December 2020 February 2023 October 2023
46	2020	National Tsing Hua University , Taiwan	5 Years	Exchange of students, Joint research activities and exchange of publications	1. SAP Opportunities explored in Spring 2024 2. Published book chapter	7/1/2023 2. 2024
47	2020	Illinois Institute of Technology, Chicago, USA	3 Years	Semester Abroad Program, Transfer Program	SAP Opportunities explored in Spring 2023, 2024	Sept 2022, July 2023
48	2020	Asia University, Taiwan	5 Years	Student/ faculty exchange , Semester Abroad Program	CSE Student Completed research internship on Cloud Computing, Big Data, Artificial Intelligence from 1st March 2023 to 30th June 2023.	1 March 2023 to 30 June 2023
49	2020	University of Wisconsin Madison, USA	3 Years	Semester Abroad Program	2. 1 student completed SAP in the year 2022, SAP explored in Spring 2023, 2024 1. One Research Article Published in Bioresource Technology	25 Jan to 15 May 2022 Aug 2023
50	2020	Amara Raja Batteries Limited	5 Years	Joint Research & Development of low cost electrode compositions, new advanced materials and other Li-Ion battery technology projects and also Prototype cells of other advanced battery technologies.	Year 2021: Method development for industrial scale production of materials Year 2022: Development of Mn and Fe based cathodes Year 2023: Recycling method development for LIBs	29th April 2022 14th July 2023
51	2019	KPIT Technologies Ltd.	1 Year	To have SRM Uniersity as an associate partner for the KPIT Sparkle 2020 India event.	Year 2020: KPIT Sparkle event held in Pune between 29th Feb 2020 to 1st March 2020. Five students from B.Tech ECE & CSE Participated.	29th Feb 2020 to 1st March 2020

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52	2019	College of Engineering - University of California - Berkeley , USA	3 Years	Semester Abroad Program	4 students completed Semester Abroad Program (SAP) in the year 2022 , SAP explored in Spring 2023 & 2024	14 Jan to 10 June 2022
53	2019	Andhra Pradesh State Skill Development Corporation(APSSDC)	3 Years	To Provide the ICT Infrastructure to select academic Institutions for skilling of Students.	2021: 168 Students from B.Tech completed summer internship at AP State Skill Development Corporation during Summer Term of 2022. 2023: Embedded system internship from 19-06-2023 to 14-08-2023 & 30 number of students Participated.	June to July 2022 19 June 2023 to 14 Aug 2023
54	2019	Institut Pasteur, Paris	5 Years	Visiting research	Dr. Manjunatha Thondamal visited the Timothy Wai Laboratory at Pastuer Institute and spent 5months in the lab for collaboration work.	Sept 2019 to January 2020
55	2019	Electronics corporation of India Limited, Computer Education Division	2 Years	Providing training to the students of B.Tech in CSE, ECE & EEE. The students will be allowed to choose the Projects from the list of Courses Provided by ECIL- CED.	2021: Students undergone for internships	January and February 2021
56	2018	Whistle Drive, Hyderabad	3 Years	To provide internships (2 mths & 6 mths), Project based on- Job Training to the students of B. Tech in CSE.	2019: 6 Students have undergone for internship during May to June 2019	May to June 2019

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RESEARCH AND DEVELOPMENT AGREEMENT

This Research and Development Agreement (hereinafter the "Agreement") is made and entered into on this 01st day of July 2023 at Thrissur between:

LORETTA TECH SYSTEMS, is a partnership firm established under Indian Partnership Act 1932, having its registered office at TC-16/1464, Hephzibah Complex, Mannuthy, Thrissur, Kerala -680651 hereinafter referred to as "LTS", which expression shall, unless repugnant to the context or meaning thereof, include its successors and assigns) OF THE FIRST PART, AND **SRM UNIVERSITY-AP, ANDHRA PRADESH** an University established under the Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016 through SRM Trust, having the registered office and address at at Neerukonda, Mangalagiri, – 522502,



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NUMBER 7135 Rs. 100/-
Sold to Corsetta Tech Systems
Thrissur



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Guntur District, Andhra Pradesh (hereinafter referred to as the "SRM-AP", which expression shall, unless repugnant to the context or meaning thereof, include its successors and permitted assigns and represented by its duly authorized representative.

WHEREAS LTS is engaged in systems and software development for various IT sectors.

WHEREAS SRM-AP is one of the best premier research and development (R&D) institutions in India, and a centre of excellence for higher learning, research and development, has highly trained scientific personnel and established facilities.



WHEREAS LTS and SRM-AP have entered into collaborative R&D program, wherein SRM-AP has agreed to conduct Metallurgical testing such as Compositional, Microstructural and phase analysis of Hard 22karat Gold in the cast or wrought form. The essential heat treatments will be conducted for the gold alloys. Mechanical property studies, will be conducted and correlated with the microstructural and phases of the hard gold alloys.

WHEREAS now, the Parties are intending to enter into an engagement for consultancy work on Process development, characterization and property evaluation of novel hard 22Karat gold alloy and thus the Parties have decided to enter into the present Agreement under the terms and conditions mutually agreed herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter set forth, for other good and valuable consideration, the sufficiency of which is acknowledged by the Parties, and in reliance of the representations and warranties included herein, the PARTIES agree as follows:

1. **DEFINITIONS:**

- 1.1 "AFFILIATE" shall mean with respect to a PARTY in this Agreement, to any corporation or other business entity, which controls, is controlled by, or under the common control with said PARTY;
- 1.2 "Agreement" means this Agreement and any written mutually agreed modifications thereto including all Schedules hereto, as may be modified subsequently;
- 1.3 "COLLABORATIVE RESEARCH" shall mean and include the research and development funded by LTS in the field of metallurgy especially in the field of research and development of 22k hard gold alloy and performed by SRM-AP PERSONNEL, by themselves or jointly with LTS PERSONNEL.

- 1.4 "Confidential Information" means information of a Disclosing Party which is of a confidential nature, and is disclosed to, created by, or obtained by Recipient or its employees or representatives, whether (without limitation) in graphic, written, electronic or machine readable form or oral, and whether or not the information is expressly stated to be confidential or marked as such, and includes, but is not limited to:
- 1.4.1 Information of value or significance to Disclosing Party (present or potential) such as:
- 1.4.1.1 Customer, Distribution, Manufacturing, Supplier or Business data, in particular, names, addresses, sales figures and sales conditions of Disclosing Party and its present or prospective clients;
- 1.4.1.2 Software data, particularly information relating to software products and the modules thereof as well as any devices designed by Disclosing Party to prevent unauthorized copying and use;
- 1.4.1.3 Research and development data, particularly information relating to the Background and Foreground IP used or created under this Agreement;
- 1.4.2 Original information supplied by Disclosing Party;
- 1.4.3 Any technical information relating to Disclosing Party, including but not limited to financial information, equipment, documentation, strategies, marketing plans, prospective leads or target accounts, pricing information, information relating to existing, previous and potential customers and contracts disclosed by Disclosing Party to the Recipient;
- 1.4.4 Information of third Parties which the Disclosing Party is obligated to keep confidential;
- 1.4.5 All information that is disclosed to the Recipient in accordance with the terms hereunder; and
- 1.4.6 Any copies of the above-mentioned information.
- 1.4.7 However, Confidential Information does not include information that:
- 1.4.7.1 is or becomes in the public domain other than by the breach of this Agreement or of any other confidentiality obligation by Recipient or its employees or its representatives;







- 1.4.7.2 was previously known by Recipient, as established by written records of Recipient, before receipt from the Disclosing Party; provided, however, that such information was not disclosed to Recipient by a Third Party (as defined below) breaching a duty of confidentiality on the part of such Third Party;
- 1.4.7.3 was lawfully obtained by Recipient from a Third Party; and
- 1.4.7.4 was developed independently by Recipient without use of or access to any Confidential Information;
- 1.5 "Disclosing Party" shall mean the Party to this Agreement disclosing the confidential information to the other Party to this Agreement;
- 1.6 "EFFECTIVE DATE" shall mean the date when the Parties execute this Agreement. ;
- 1.7 "Field of Research" shall mean the area of research which is in the field of metallurgy especially in relation to gold and silver alloy;
- 1.8 "Inventions" means inventions, products, designs, drawings, notes, documents, information, documentation, improvements, works of authorship, processes, business methods, techniques, know-how, algorithms, technical and business plans, specifications, hardware, circuits, computer languages, computer programs, algorithms, databases, user interfaces, encoding techniques, and other documents, materials and innovations of any kind, whether or not the foregoing are eligible for patent, copyright, mask work, trade secret, trademark, service mark or other legal protection;
- 1.9 "Intellectual Property" means all inventions, know-how, algorithms, technical and business plans, specifications, hardware, circuits, computer languages, computer programs, algorithms, databases, user interfaces, encoding techniques, mask works and other documents, materials and innovations of any kind, whether or not the foregoing are eligible for patent, copyright, mask work, trade secret, trademark, service mark or other legal protection;
- 1.10 "Intellectual Property Rights" includes all worldwide patents and other patent rights, utility models, trademarks, service marks, domain names, copyrights and mask work rights whether registered or unregistered, including, but not limited to moral rights and any similar rights in any country, whether negotiable or not, and also includes any applications for any of the foregoing and the right to apply for any of the foregoing in any part of the world;






- 1.11 "KNOW-HOW" means all secret, substantial and identified proprietary methods, devices, technology, trade secrets, inventions, compositions, designs, formulae, know-how, show-how, and documentation and other information, including processes and analytical methodologies used in development, testing, analysis and manufacture, as well as other scientific data;
- 1.12 "PERSONNEL" shall mean scientists and other personnel who are employees and/or representatives of the Parties and are part of the Collaborative Research under this Agreement;
- 1.13 "Third Party" means any person who is not a party to this Agreement.

2. INTERPRETATIONS:

- 2.1 In this Agreement, the headings are used for convenience and ease of reference and are not to be construed in the construction or interpretation of any provision of this Agreement;
- 2.2 In this Agreement, unless the context specifies otherwise, reference to the singular includes a reference to the plural and vice versa, and reference to any gender includes a reference to all other genders;
- 2.3 In this Agreement, unless the context specifies otherwise, references to the Recitals, Sections and Schedules shall be deemed to be a reference to the recitals, clauses and schedules of this Agreement;
- 2.4 References to any enactment are to be construed as referring also to any amendment or re-enactment (whether before or after this Agreement becomes effective), any previous enactment which such enactment has replaced (with or without amendment), and any regulation or order made under it.
- 2.5 Reference in this Agreement to any statute or regulation made using a commonly used abbreviation, shall be construed as a reference to the short title of the statute or full title of the regulation, as amended from time to time

3. SCOPE OF WORK:

This Agreement establishes a framework for Development of hard 22karat gold and its master alloy in lab scale and industry scale. The essential heat treatments, physical and mechanical property evaluation to the sample and product level will be conducted for the hard 22karat gold and matched with the existing 22karat gold. Re-melting and







Refining of the developed hard 22karat gold will also be conducted. *The detailed proposed work is given in Annexure-I.*

4. DEVELOPMENT INTELLECTUAL PROPERTY AND USAGE RIGHTS:

- 4.1 LTS shall decide whether to file the patents and any other Intellectual Property Rights emerging out of the collaboration under this Agreement and the appropriate jurisdictions for filing for the same. The expenses for the same shall be borne by LTS.
- 4.2 SRM-AP agrees that SRM-AP shall have no commercial rights in any Intellectual Property created under this Agreement during the tenure of the Agreement and thereafter in relation to the scope of the work as contemplated in the Agreement, and such commercial rights shall be owned by LTS. In the event of one of the researchers from SRM-AP being one of the inventors in the proposed patent application, SRM-AP shall assign all the commercial rights in the invention to LTS
- 4.3 Only LTS shall have the rights to commercially exploit such Intellectual Property created under this Agreement.
- 4.4 It is agreed that SRM-AP have the right to publish the above research and take credit for SRM-AP as co-authors along with LTS.

5. CONFIDENTIALITY:

In order for the PARTIES to realize the full potential of the spirit of this Agreement it may be necessary for the Parties to disclose to each other proprietary information related to SRM-AP TECHNOLOGY KNOW-HOW and/or LTS KNOW-HOW which is confidential and proprietary and is hereinafter referred to as CONFIDENTIAL INFORMATION.

- 5.1 SRM-AP and LTS agree that *CONFIDENTIAL INFORMATION* will be used by the receiving party only as provided for in this Agreement and the receiving party will:
- 5.1.1 hold any and all *CONFIDENTIAL INFORMATION* received pursuant to this Agreement in confidence, and not disclose such information to third parties without the written consent of the disclosing party,
- 5.1.2 limit the disclosure of *CONFIDENTIAL INFORMATION* to those scientists, employees and officers who need such access for purposes of this cooperative effort, and
- 5.1.3 not duplicate unnecessarily or use *CONFIDENTIAL INFORMATION* in any manner other than for the benefit of the *COLLABORATIVE RESEARCH*



Programme envisaged under this Agreement, except where mutually decided otherwise.

- 5.2 Neither LTS or SRM-AP shall be subject to the restrictive obligations herein as to the use or disclosure of any information which can be shown by documentary evidence:
- 5.2.1 to have been in the possession of the receiving party prior to disclosure thereof by the disclosing party,
 - 5.2.2 to be or to have become, through no fault on the part of the receiving party, part of the public knowledge or literature,
 - 5.2.3 to have lawfully become available without limitation as to its disclosure from an outside source, or
 - 5.2.4 to have been developed by personnel of the receiving party independently of any CONFIDENTIAL INFORMATION received from the disclosing party.
- 5.3 The obligations of confidentiality set forth above shall terminate 1 years upon expiry / termination of this Agreement.

ACTIVITIES AND OBLIGATIONS OF LTS:

RESEARCH ACTIVITIES:

- (a) LTS shall support the testing and characterization by providing the Gold and Silver
- (b) whereas SRM-AP will contribute by developing novel hard 22karat gold and its master alloys and performing metallurgical and mechanical property testing and analysis. SRM will support by conducting, Melting and Casting, Master alloy preparation chemical analysis, heat treatment, microstructural analysis and mechanical property evaluation. SRM-AP will be using characterization equipment such as optical microscope and image analysis, Scanning Electron Microscope (SEM), Transmission Electron Microscope (TEM), X-ray Diffractometer (XRD) and ICP-OES, TG/DSC. Equipment such as Micro-Vickers Hardness testing and UTM will be used for mechanical property evaluation. SRM will also appoint a dedicated project associate to this project to conduct the experiments and characterization.



7. ACTIVITIES AND OBLIGATIONS OF SRM-AP

- (a) SRM-AP shall act as the host institution for the conduct of all research activities envisaged under this Agreement in a professional and agreed-upon manner.
- (b) SRM-AP shall judiciously use the Gold and Silver provided by LTS for the purpose of this Agreement only and shall hold the same in trust for LTS.
- (c) SRM-AP shall have right to use the knowledge developed in the above research for education and research purpose only.

8. TERM AND TERMINATION

This Agreement shall come in to effect on the 1st day of June 2023 (“Effective Date”) and shall in remain in force for a period of one year till the 31st day of May 2024 (“Term”) unless terminated in accordance with the terms of this Agreement. This Agreement may be renewed at the sole discretion of the Parties in writing.

9. CONSIDERATION AND TERMS OF PAYMENT

refer Annexure II details the terms for the consideration under the Agreement.

10. GOVERNING LAW AND DISPUTE RESOLUTION:

10.1 The Parties shall attempt through mutual discussions to resolve any disputes, which may arise between them with regard to the activities envisaged under this Agreement. In case the disputes cannot be resolved through such discussions and negotiations, the Parties shall submit these disputes to arbitration by a group consisting of the Vice Chancellor of SRM-AP, or his nominee who shall represent the interests of SRM-AP, and LTS. If the dispute cannot be resolved by this group, the Vice Chancellor of SRM-AP or his nominee and LTS, the Parties shall by mutual agreement nominate an arbitrator to be included in the group. Such authorized nominee as well as the arbitrator so nominated as mentioned aforesaid shall be an independent person not related to SRM-AP and / or LTS. The arbitration of this enlarged group shall be binding and final on all PARTIES to this Agreement.

10.2 The provisions of Arbitration and Conciliation Act, 1996 and all the amends thereto are to be followed in the process of arbitration. The Parties are governed by the Indian Laws and the place and seat of arbitration shall be at a mutually agreed place.



11. FORCE MAJEURE:

Neither party shall be held responsible for non-fulfillment of their respective obligations under this agreement due to the exigency of one or more of the force majeure events such as, but not limited to, acts of God, war, flood, earthquakes, strike, lockouts, epidemics, riots, civil commotion, provided that on the occurrence and cessation of any such events, the party affected thereby shall give a notice in writing to the other Party within one month of such occurrence and cessation of any such events, the party affected thereby shall give a notice in writing to the other Party within one month of such occurrence or cessation. If the force majeure conditions continue beyond two months, the parties shall then mutually decide about the future course of action.

12. REPRESENTATIONS AND INDEMNITY

- (a) SRM-AP represents that the materials, information or results used / created by SRM-AP under this Agreement shall not violate, misappropriate, or infringe any other third party's Intellectual Property Rights and SRM-AP undertakes to indemnify LTS against any loss, damage, claims demand, payment, fine, penalty, lawsuit, action, investigation, recovery, judgment, cost and expense of every nature and description (including court costs and reasonable attorneys' fees) ("Claims") brought or recovered against LTS with respect to such Intellectual Property Rights.
- (b) SRM-AP shall fully indemnify and hold LTS harmless against all Claims arising out of LTS's use, commercialization, or distribution of Intellectual Property or products that result in whole or in part from the projects

13. ASSIGNABILITY:

The rights under this Agreement shall not be assigned by SRM-AP to any other party without prior written consent of LTS.

14. JURISDICTION:

The rules and regulations are construed and understood to be the laws of the Republic of India and the courts at Thrissur, Kerala shall have exclusive jurisdiction .







15. ADDRESSES OF THE PARTIES AND COMMUNICATION:

All notices and other communications required or permitted under this Agreement shall be deemed to be properly given when given in writing and sent by registered post to the addresses mentioned herein below or at such other address as the receiving party may in writing designate from time to time for these purposes:

To LTS:

Mr. ABHAY ASHLYN

Loretta Tech Systems

TC-16/1464, Hephzibah Complex, Mannuthy,

Thrissur, Kerala -680651

Kind Attention: ABHAY ASHLYN

To SRM-AP:

SRM University-AP, Andhra Pradesh

Neerukonda, Mangalagiri.

Guntur District.

Andhra Pradesh – 522 502

Kind Attention: Vice-Chancellor

16. MISCELLANEOUS PROVISIONS

- a. Entire Agreement and Amendment: This Agreement sets forth the complete agreement of the parties concerning the subject matter hereof. No claimed oral agreement in respect thereto shall be considered as any part hereof. No amendment or change in any



of the terms hereof subsequent to the execution hereof shall have any force or effect unless agreed to in writing by duly authorized representatives of the parties. Additions, deletions and/or alterations to this Agreement may be effected with the written agreement of all the parties to this Agreement concerning the changes. Documents containing such additions, deletions and/or alterations and signed by all the parties shall form addendum to this Agreement, and be deemed to be part of the Agreement.

- b. Waiver: No waiver of any provision of this Agreement shall be effective unless executed in writing. No waiver shall be deemed to be, or shall constitute, a waiver of a breach of any other provision of this Agreement, whether or not similar, nor shall such waiver constitute a continuing waiver of such breach unless otherwise expressly provided in such waiver.
- c. Headings: The headings and subheadings in this Agreement are inserted for convenience of reference only and will not be used in interpreting or construing the provisions of this Agreement.
- d. Use of Name: Either Party shall not use the name, trademarks or logos of the other Party without that other Party's prior written consent. Any consent required may be given, withheld or made subject to conditions in the relevant Party's sole and unfettered discretion. If seeking consent under this clause, the Party must provide written details of the proposed use of the other Party's name, trademarks or corporate logos to the other Party.
- e. Severability: Each provision contained in this Agreement is declared to constitute a separate and distinct covenant and provision and to be severable from all other separate, distinct covenants and provisions. It is agreed that should any clause, condition or term, or any part thereof, contained in this Agreement be unenforceable or prohibited by law or by any present or future legislation then:
- (i) such clause, condition, term or part thereof, shall be amended, and is hereby amended, so as to be in compliance therewith the legislation or law;
- (ii) if such clause, condition or term, or part thereof, cannot be amended so as to be in compliance with the legislation or law, then such clause, condition, term or part thereof shall be severed from this Agreement and all the rest of the clauses, terms and conditions or parts thereof contained in this Agreement shall remain unimpaired.







- f. For the purposes of this Agreement and all services to be provided hereunder, each Party shall be, and shall be deemed to be, an independent contractor and not an agent or employee of the other Party. Neither Party shall have authority to make any statements, representations nor make commitments of any kind, or to take any action, which shall be binding on the other Party, except as be explicitly provided for herein or authorized by the other Party in writing.
- g. This Agreement is executed in duplicate and one copy will remain with each of the Parties hereto and each such copy shall be deemed to be original.
- h. The terms of this Agreement are considered confidential and, except as required by law, shall not be disclosed to any party other than the three participating in this Agreement without the express written consent of the parties.
- i. The PARTIES hereto agree that upon reasonable request of any of the other parties, each such party shall execute and deliver such additional documents and agreements, and take such further actions, as may be necessary in order to fulfill and give effect to the terms of this Agreement.
- j. The respective rights and obligations of the Parties which by their nature would continue beyond the termination or expiration of this Agreement will survive termination or expiration of this Agreement.

Alb...



nm...


Signed on this 01st day of July 2023 (01-07-2023) by all the PARTIES to this Agreement at Thrissur.

LORETA TECH SYSTEMS, THRISSUR, KERALA	SRM UNIVERSITY-AP, ANDHRA PRADESH
Authorized Signatory  Mr. ABHAY ASHLYN Managing Partner Loretta Tech Systems 	 Dr. R. PREMKUMAR REGISTRAR SRM UNIVERSITY - AP Andhra Pradesh - 522240 

Witnesses (Name & Address)

1.


2. G. S VINOD KUMAR
Professor
SRM UNIVERSITY - AP
ANDHRA PRADESH

ANNEXURE-I

SCOPE OF THE PROPOSAL AND DELIVERABLES

Title of the Project: Development of *hard 22Karat gold alloy and master alloys*

1. Summary of the Proposed work.

The aim of the proposed project is to develop a process hardening 22karat gold (91.7 wt. % Au - 5.80wt.% Cu - 2.50wt.% Ag) in the cast jewellery product (studded jewellery) and wrought jewellery product (plain jewellery) by the method of microstructure refinement and age hardening respectively. It is aimed to obtain the final hardness in the hard 22karat product above or equal to 150 HV (Vickers scale) i.e. similar to 18karat. However, the hardness process must retain the purity of 22Karat, workability, colour and luster similar to the regular 22karat. The process also aimed to improve the tarnish resistance, corrosion resistance, scratch and wear resistance of the jewelry manufactured using hard 22karat gold.

Micro alloying the elements such as Scandium, Titanium, Zirconium, Magnesium, Calcium individually or in combination in 22karat gold will be carried out in order to study grain refinement effect and age hardening effect. The alloying elements will be added through master alloys for able composition control. The development of hard 22karat gold will be carried out in two phases. In the first phase, the lab scale experiments will be conducted to optimize the elemental composition to obtain desired hardness in 22karat gold i.e., above 150 HV by grain refinement and age hardening treatment. The hardness, purity and microstructural analysis will be carried out in the lab. Lab scale experiments will also be conducted to prove the workability, colour and luster of the hard 22Karat gold. The hard 22karat develop will be delivered as proof of concept.

In the second phase of this project, large scale trials will be conduct at industry, based on the lab scale proof of concept. During the industrial trials the grain refinement and age hardening behavior of the hard 22Kaart gold will be reassured. In addition, studies on the casting quality, yield at every stages (casting, cold-rolled or wire drawing stage), annealing and refining will also be carried out. The developed hard gold will be tested on products (cast or hand-made jewellery) with the help of karigars. Please refer to the process flow chart in Fig.1 for the details proposed work for the development of hard 22karat gold.





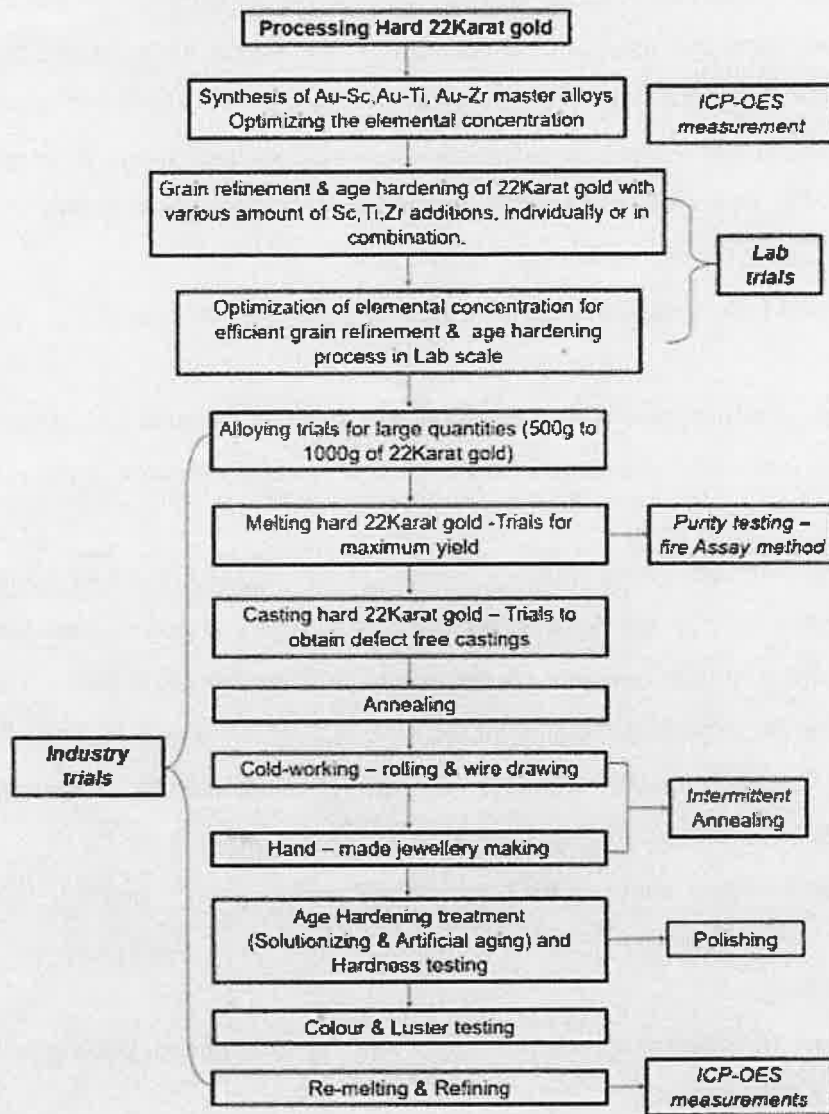



Fig.1 Hard 22Karat gold process flow chart

2. Objectives

Phase I: Lab trials

- Grain refinement and Age hardening of 22Karat gold (91.7% pure) by micro alloying with Scandium, or with the combination of Titanium, Zirconium, Magnesium and/or Calcium. The elements will be added via master alloys.
- Optimization of the composition, of the alloying elements to get efficient grain refinement and age hardenability in 22Karat gold. The age hardening be done both in castings as well as cold-rolled sheets. The final hardness required is after age hardening of 22Karat gold (castings and cold-rolled sheet forms is >150 Hv. Optimizing age hardening processes



parameters (solutionizing, and artificial aging) such as temperature and time. In-depth microstructural and phase characterization of the master alloy, hard 22karat gold after alloying and heat treatments for optimization of composition to obtain required hardness.

- Annealing & workability (cold rolling, wire drawing) studies of hard 22Karat gold. Optimizing annealing temperature and annealing time (intermittent) to obtain better workability in the age hardenable 22Karat gold.
- Colour and lusters studies of the hard 22karat gold. (coupon form)

Phase 2: Industrial trials to establish hardness in 22karat gold produced in large quantity and other processes to manufacture jewellery similar to the existing 22karat gold

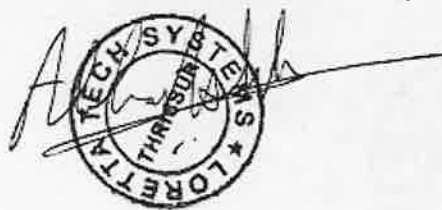
- Alloying: Producing large quantity of hard 22karat gold (500g to 1 Kg) using the lab scale optimization of alloying elements composition – Yield and casting quality studies.
- Cold rolling or wire drawing: Annealing heat treatments, intermittent annealing, flame annealing etc. – yield and quality of the rolled sheets and wires
- Testing of a plain jewellery product: Workability, machinability, re-melting, refining and colour studies of the hard 22Karat gold in the form of product.
- Investment casting studies of the hard 22Karat gold

3. Methodology

Lab studies: To optimize the composition of alloying elements for grain refinement, and age hardening of 22Karat gold

(a) Preparation of master alloys such as Au-Sc, Au-Ti and Au-Zr

The master alloys Al-Sc, Au-Ti and Al-Zr can be prepared by alloying pure Scandium, Titanium and Zr with pure Au (99.99%) about 50g using Vacuum Arc Melting. Approximately 5 to 6 wt.% of Sc, Ti and Zr will be used to produce the master alloy. The purpose is to produce Au₄Sc, Au₄Ti and Au₄Zr intermetallic particles at α -Au matrix in the respective master alloy. The phase diagram (Fig.2 a b and c) clearly shows the presence Au₄Sc, Au₄Ti, and Au₄Zr intermetallic phase in the α -Au for a wide compositional range. By adjusting the elemental addition, the concentration of the intermetallic can be increased or decreased in α -Au matrix. The master alloys are characterized for phase analysis, particle size distribution and composition analysis using X-ray diffraction, optical microscopy - image analysis and



Scanning electron microscope (SEM/EDX). The process parameters during the synthesis will be optimized to obtain desired composition of secondary phase, particle size distribution in the master alloy.

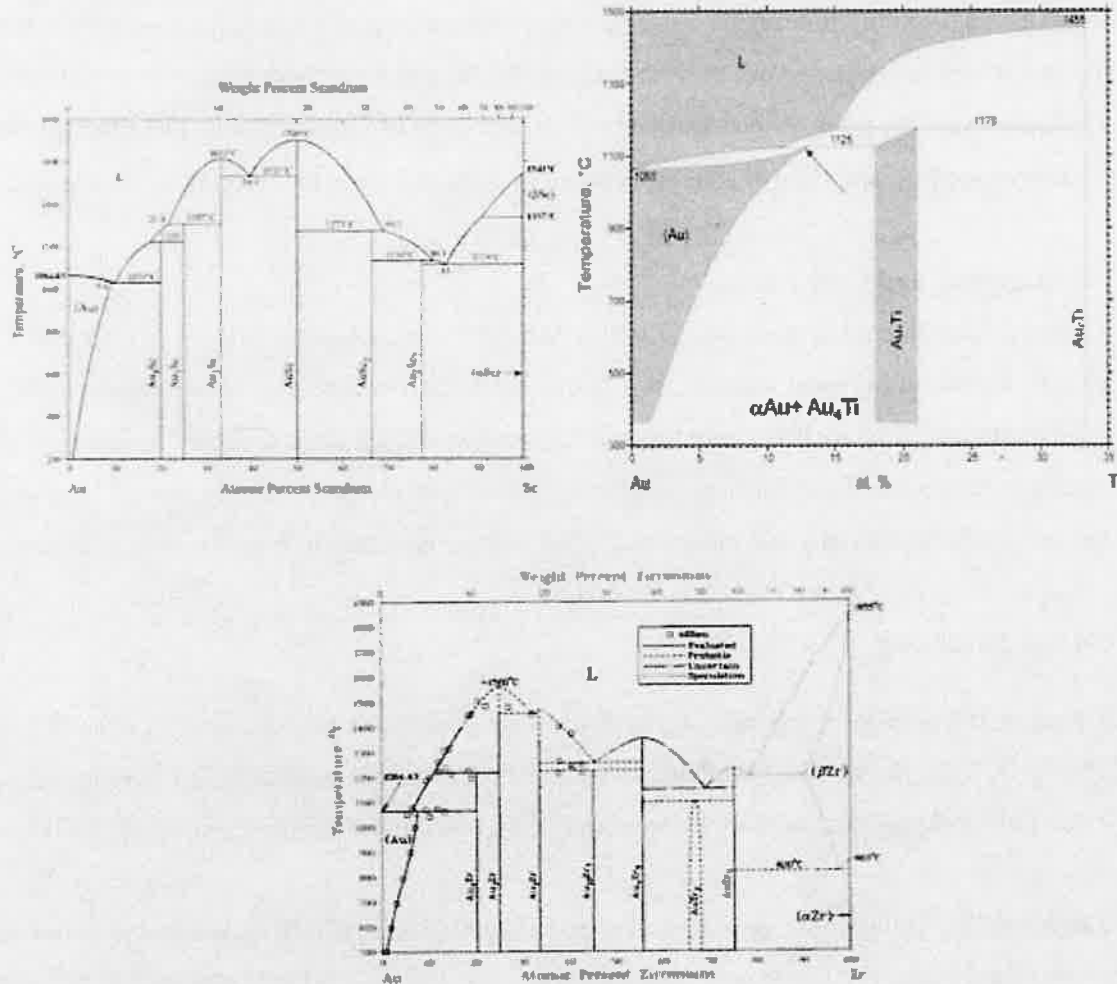


Fig.2 Equilibrium diagram of Au-Sc, Au-Ti, Au-Zr

(b) Alloying

The hard 22karat gold is prepared by adding the master alloys in appropriate concentrations in a range of 0.01 to 0.5 wt.% by compensating with Ag or Cu. The melting is done using a medium frequency induction melting furnace at 1200°C. Once the alloy melt is homogenized for 5 to 10 min. isothermally, it is poured into cylindrical mould for casting.

The casting obtained is characterized

- a. Chemical analysis – ICP-OES measurement to determine the actual concentration of alloying element and fire assay method to determine the purity of Au (91.7) in 22karat

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b. XRD & Microstructural studies - Optical microscopy/image analysis, scanning electron microscopy studies/EDX of the as cast samples.

In the as- cast condition, the grain refining effect of the master alloy in 22karat will be studied by various micro-addition level of master alloys, Sc, Ti and Zr individually or in combination. The hardness of the grain refined samples will be measured in Vickers scale. The solid solution strengthening Mg, and Ca will also be added to understand the as cast strength.

(c) Annealing and Cold-rolling

The hard 22karat gold in as cast condition is annealed at maximum solubility temperature for 60 min. followed by water quenching. The casting is then subjected to cold-rolling to sheets for a reduction of 70 to 90%. Intermittently annealing will be carried out for softening. The thickness reduction of the Au alloy will be correlated with the grain size measured. The grain refined gold alloys in cast as well as cold rolled will be subjected to hardness measurement.

(d) Age hardening

The age hardenability is determined by narrow solubility of alloying elements in 22karat gold. The figure 1 a-c shows that the elements Sc, Ti, and Zr has similar solvus line in the gold rich side. This indicates that all these elements exhibit good age hardenability in 22karat gold.

The Aging hardening (solutionizing and artificial aging) study will be conducted to the as cast and cold-rolled hard 22karat gold. Solutionizing will be done at high solubility temperature for 60 min. followed by ice water quenching. Artificial aging studies will be conducted by performing the aging kinetics of the samples at different temperature and time, (hours) to determine the peak age condition, followed by characterizations of the samples

- a. TEM microscopic studies on the peak aged age hardened cast or sheet alloy to understand its age hardenability.
- b. Hardness measurement in Vickers scale (500g load) and Tensile testing (quasi-static) of the peak aged 22Karat gold.
- c. Colour measurement of peak aged age hardened 22Karat gold using CIE lab spectrophotometer and comparing with the existing 22karat gold.
- d. A DOE will be made at the starting of the experiment and will be executed



(e)Color test (will be conducted at Titan) (please refer the journal paper)

The colour of the hard 22karat gold will be measured with spectrophotometer and a standard CIE Lab system. The CIE Lab method expresses the colour as three-dimensional coordinates L^* , a^* , and b^* , where L^* is the luminance (brightness). The L^* value is 0 means that no light is reflected by the sample. The L^* value is 100 means that all incident light is reflected. The a^* coordinate measures the intensity of the green (negative) or red (positive) component of the spectrum, while b^* measures the intensity of the blue (negative) or yellow (positive) component. The L^* , a^* and b^* will be measured for the hard 22karat gold in cast, as pickled and as polished condition. The colour of a sample can be defined by plotting these coordinates as a point in a 3D mapping.

Each samples will be polished to optical finish and the colour will be measured before exposing to high temperature. The colour of the samples obtained after high temperature exposure at different intervals will be measured (unpolished condition) using the spectrophotometer and the standard CIE Lab system. The change in colour can be quantified using a colour index, DE, (Ref. 9) which can be expressed as

$$DE = [(L^*_2 - L^*_1)^2 + (a^*_2 - a^*_1)^2 + (b^*_2 - b^*_1)^2]^{1/2} \quad (2)$$

The subscript 1 refers to the colour of the original polished sample and the subscript 2 to the colour measurements after high temperature exposure at different time intervals.

(f)Corrosion Resistance

Gold jewelries are usually exposed to certain corrosive environments such as sea water and perspiration. The resistance of the hard 22karat gold alloy to corrosion will be evaluated by measuring the mass loss during long term exposure to three different corrosive medium

1. Artificial sweat (0.75 g NaCl; 0.12 g KCl; 0.27 ml lactic LTSd; 0.1 g urea; and H₂O up to 100 ml).

1. Artificial sea water (3.56% NaCl), and

2. Dilute sulphuric LTSd (1 Mof H₂SO₄).



The tests will be conducted at room temperature. The samples are weighed before being immersed in the solutions and then weighed weekly for a period of 160 hrs. For comparison, a regular 22k gold samples will also be tested.

(d) Industry Trials

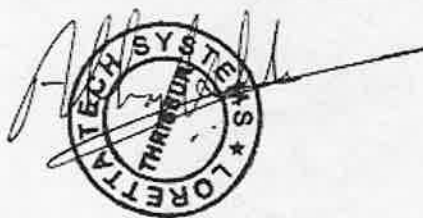
The PI will be involved in the following work which will carried out at Industry. The industry scale up shows in the process flow chart (Fig. 3)

- Large scale melting and casting. -500g to 1 Kg of hard 22karat gold alloy preparation and testing. The alloying will be done with the optimized composition of Sc, Ti, and Zr through the master alloys. The melt quality and the casting quality will be studied to obtain the maximum yield similar to the regular 22karat gold.
- Annealing and cold – working. - Annealing for homogenization and cold-working such as wire drawing and sheet making
- Karigari - Machine cutting, flame annealing, joining, other karigari works for making a jewellery piece.
- Age hardening heat treatment – carried out after the product is made= The solutionizing and artificial aging for the optimized time and temperature will be carried out for the jewellery product. The hardness will be measured in the product for confirmation.
- Polishing/coloring and QA- polishing, coloring followed by QA testing.
- Investment casting of age hardenable 22Karat gold alloy - optimizing the melting parameter – fluidity, slag formation. More importantly studies on – alloying 22Karat gold melt using bottom pouring furnace that works under ambient atmosphere.

Re-melting & Refining:

Re-melting several times of the hard 22karat gold alloy in order to understand the at what level the alloying elements and hardness is retained. With this study we will understand when the alloy can be taken for refining

Refining the hard 22karat gold will be done in similar method followed for the regular 22karat gold to eliminate Cu and Ag. In addition, special fluxes will be added to refine the gold to eliminate the alloying elements such as Sc, Ti and Zr. At every stages of refining the alloy will be tested for the composition using ICP-OES.





SRM UNIVERSITY-AP

**Neerukonda, Mangalagiri Mandal Guntur Dist.,
Andhra Pradesh-522502.**

GSTIN:- 37AASTS4359N1ZD

Tax Invoice

Bill To

Invoice No: SRMAP/022/2023

**LORETTA TECH SYSTEMS,
TC16/1464, HEPZHIBAH COMPLEX,
Santosh Nagar, Menachery Gardens,
Mannuthy, Madakkathara, Thrissur,
Kerala - 680651.
GSTIN: 32AAJFL4036C1ZT**

Date: 20-07-2023

S.No	Service Discription	HSN Code	Taxable Value	IGST	Total
1	1st Installment for Develop novel gold Alloys	998312	14,30,000	2,57,400	16,87,400
	Total		14,30,000	2,57,400	16,87,400
Taxable Value					14,30,000.00
Tax Amount IGST 18%					2,57,400.00
Total Amount After Tax					16,87,400.00
Rounding Off					
Grand Total					16,87,400.00
Rupees In Words: Sixteen Lakhs Eighty Seven Thousand Four Hundred Rupees Only					

Bank Account Details

Account Name:	SRM University AP Amaravati
Bank Name:	Indian Bank
Current A/c No:	6645559621
IFSC Code:	IDIB000S297
Branch :	SRM University Campus Branch

For SRM University AP

Authorised Signatory

Receiver Signature





सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

Rs. 20

e-Stamp

Certificate No. : IN-KA91848376177653V
 Certificate Issued Date : 14-Jun-2023 05:55 PM
 Account Reference : NONACC (FI) Kacrafl0B/ MANGALORE10/ KA-DK
 Unique Doc. Reference : SUBIN-KAKACRSFL0682921681238946V
 Purchased by : NITTE DEEMED TO BE UNIVERSITY
 Description of Document : Article 12 Bond
 Description : M O U
 Consideration Price (Rs.) : 0
 (Zero)
 First Party : NITTE DEEMED TO BE UNIVERSITY
 Second Party : SRM UNIVERSITY AP
 Stamp Duty Paid By : NITTE DEEMED TO BE UNIVERSITY
 Stamp Duty Amount(Rs.) : 20
 (Twenty only)



Please write or type below this line

This non judicial e stamp forms an integral part of the MoU dtd 16.06.2023, signed between NITTE (Deemed to be University), Mangalore represented herein by its Registrar Dr. Harsha N Halahalli, (1st party) and SRM University AP, Represented herein by its Registrar Prof. Dr. R. Premkumar (2nd Party).

Harsha N Halahalli

Registrar
NITTE
(Deemed to be University)

Dr. R. Premkumar
Dr. R. PREM KUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240



Statutory Alert:

- The authenticity of the Stamp certificate should be verified at any discrepancy in the details on this Certificate and as available on the website of the Competent Authority.
- The onus of checking the legitimacy is on the users of the certificate.
- In case of any discrepancy please inform the Competent Authority.



Memorandum of Understanding (MoU)
On
Scientific Co-operation in Biological Sciences

Between

Nitte (Deemed to be University), Nitte University Centre for Science Education and Research (NUCSER) having Office Address at 6th floor University Enclave, Medical Sciences Complex Deralakatte Mangalore 575018 Karnataka India. Represented by Registrar of NITTE **Dr. Harsha N Halahalli**.

AND

SRM University AP, having office address at Neerukonda, Mangalagiri Mandal, Guntur District, Mangalagiri, Andhra Pradesh 522240, India. Represented by Registrar of SRM University AP, **Dr. R. Premkumar**.

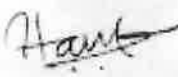
In order to promote academic collaboration, research collaboration and staff and student exchange in the Faculty of Biological Sciences Nitte (Deemed to be University) (<https://nucser.nitte.edu.in>), Nitte University Centre for Science Education and Research (NUCSER) and other areas of mutual interest/s, and SRM University AP, (<https://srmap.edu.in>) Department of Biological Sciences, Andhra Pradesh hereby agree upon co-operating directly as follows:

Article 1


The two institutions consider a partnership and co-operation in Biological Sciences regarding research and education to be of mutual benefit. Based on existing relationships they agree upon cooperative projects in research and education.

Article 2

The two institutions nominate a representative who will coordinate and supervise all aspects of co-operation. For the institution in Nitte (Deemed to be University) this will be **Prof. Dr. Anirban Chakraborty**, Dean, Faculty of Biological Sciences, Nitte University Centre for Science Education and Research (NUCSER), Deralakatte, Mangalore-575018 Karnataka India; for the Department of Biological Sciences, SRM University AP, Andhra Pradesh, this will be **Prof. Jayaseelan Murugaiyan**, Professor & Head, Department of Biological Sciences, SRM University AP, Andhra Pradesh.


Registrar
NITTE
(Deemed to be University)



Continued.

Dr. R. PREM Kumar
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

Article 3

Both partners shall endeavour to promote the following aspects of scholarly and cultural co-operation:

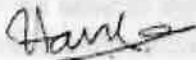
- 1) Exchange of visiting teachers and academic staff.
- 2) Exchange of postgraduate students and postdoctoral scholars with emphasis on short-term stays (1 to 3 months; possibly to be financed by scholarships from sponsoring organisations) preferably in the fields of Biological Sciences but not excluding other disciplines.
- 3) Exchange of publications, teaching and research programmes, and guidelines aimed at enhancing academic and research activities at both partner institutions.
- 4) Co-operation in scholarly research, exchange of research findings and publications.
- 5) Mutual invitations to participate in scholarly seminars, lectures and educational programs as long as the MOU is in force.
- 6) Guests at the respective host institutions will be granted access to research facilities such as libraries, manuscript collections, archives, laboratories etc. during their visits provided such requests are formally made in writing.
- 7) Any other areas of mutual interest, as mutually agreed upon by both parties in writing.

Special agreements concerning future projects will be negotiated and decided depending upon the availability of equipment and finances. The execution of these agreements will not cause any financial obligations for either side.

Article 4


This agreement will be valid for 5 years from the date of signature. It can be renewed for a further period with the written consent of both parties. Either party can terminate this agreement at any time without assigning any reason upon six months prior written notice of termination to the other party.

If parties decide to terminate this MOU with six months' notice as above, the pending proposals projects already agreed upon between both parties 'if any' shall be completed / cleared constructively upon mutual consultation in writing between the both parties.


Registrar
NITTE
(Deemed to be University)



Continued..


DR. B. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

Article 5

The partners may also mutually agree upon the inclusion of the third parties into this research cooperation. In this case, authorized representative of the third party will have to submit a willingness and no-objection certificate in joining this agreement to become partners in publications and other tangible outcome that arises from such collaboration.

Article 6

Relationship between the parties

This Memorandum of Understanding (MoU) is intended solely as a MoU and no partnership, joint venture, employment agency, franchise, or other form of agreement or relationship is intended. It is specifically understood between the parties that the relationship between the parties contemplated under this MoU is strictly on principal to principal basis. Nothing in this MoU shall be construed to the employees / representatives / students of one Party to be construed as the employees / representatives / students of the other party. However, both parties shall ensure the following:

- i. Both Parties shall see to it that the respective students and employees engaged under this MoU shall strictly follow the disciplinary protocols and be professional in their conduct towards each other.
- ii. Both Parties shall see to it that "General Safety and Security" of the respective employees / students engaged under this MoU be ensured.

Article 7


Law of the land

Both parties hereby agree and undertake to abide and confirm with the respective law of the land, and, terms and conditions of the agreements which might be entered upon under this MoU. Licenses/ Approval/s or / clearance/s from statutory authorities if any, shall be obtained by the respective parties wherever applicable.

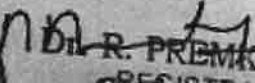
Article 8

Confidentiality

During the tenure of the MoU both parties shall maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MoU for any purpose other than in accordance with this MoU. Both parties shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement. Further both


Registrar
NITTE
{Deemed to be University}




Registrar
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

parties shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.

If required, parties may enter into separate confidentiality agreements as per the requirements of specific or respective projects/ programmes under this MoU.

Article 9

Intellectual Property Rights

IPRs solely developed by first party will remain with and owned by 'First party' and IPRs solely developed by second party will remain with and owned by 'Second Party'. However, 'IPRs jointly developed by First Party and Second party' if any under this MoU will be jointly owned by both parties as mutually agreed upon by both parties in writing.

Article 10


Dispute resolution

Notwithstanding anything contained in any other statute for the time being in force, if any genuine dispute arises between the parties in the discharge of their respective responsibilities and obligations under this MoU and in case such dispute is not settled amicably between the parties, it shall be referred to the Vice Chancellor of NITTE (Deemed to be University) & the Pro Vice Chancellor of SRM University AP, Andhra Pradesh for arbitration, they shall jointly appoint or nominate an arbitrator as per the arbitration proceeding in accordance with the rules and provisions of the Arbitration & Conciliation Act, 1996. The procedures in vogue for resolving of the said dispute and the decision of said Arbitrator shall be final as far as the said dispute is concerned and the parties are bound by that decision. The Venue of arbitration shall be Andhra Pradesh, India. The language of arbitration proceedings shall be in English.

Article 11

Force Majeure

Neither party shall be held responsible for non-fulfilment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Epidemics, etc. provided on the occurrence and cessation of any such event the party affected thereby shall give notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action


Registrar
NITTE
(Deemed to be University)



Continued..


Dr. R. PREM Kumar
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

Article 12

Amendment

Each party has the right to amend or modify this MoU only by a written agreement that an authorized representative of each party has signed.

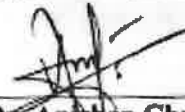
IN WITNESS WHEREOF, both parties through their authorised representatives have signed this MoU on this 16th Day of June 2023 at Mangalore (Place of signing) in the presence of the following witnesses. This MoU has been signed in two original copies and one each copy shall be retained by both parties for their records.



Prof. Dr. Harsha N Halahalli
Registrar
Nitte (Deemed to be University)
Mangalore -575018
Karnataka India

Registrar
NITTE

(Deemed to be University)



Prof. Dr. Anirban Chakraborty
Director, NUCSER
Dean Faculty of Biological Sciences
Nitte (Deemed to be University)
Mangalore, Karnataka, India

Director
Nitte University
Centre for Science Education & Research
Pattar Campus, Deralakatta
Mangalore - 575 018, India



Prof. Dr. R. Premkumar.
Registrar
SRM University AP
Amaraoti, **PREMKUMAR**
Andhra Pradesh, India
SRM UNIVERSITY - AP
Andhra Pradesh - 522240



Prof. Jayaseelan Murugatyan
Professor & Head,
Dept of Biological Sciences,
SRM University AP,
Andhra Pradesh, India





Indian Council of Medical Research (ICMR)

Department of Health Research
(Ministry of Health and Family Welfare)

Call for proposals under Extramural Research Programme: Investigator Initiated Projects- Intermediate Grant

Date of submission: 30-Jul-2023 04:05:52 PM

Proposal Id: IIRPIG-2023-0000964, () Version Id: F I,

Proposal Title: Development of MALDI TOF MS reference database for rapid detection of antimicrobial resistant ESKAPE pathogens

Personal details of Principle Investigator (PI)

Name of PI (IN BLOCK LETTERS),
Designation, Email, Contact No., Gender, DOB, Date of
Superannuation

PROF JAYASEELAN - MURUGAIYAN,
Professor & Head, jayaseelan.m@srmmap.edu.in, 6383557214, Male, 10

Nature of Employment

Permanent

Institute

SRM University, ,

Proposal Details PART-A

Advertisement

Call for proposals under Extramural Research Programme: Investigator
Grant

Summary (up to 250 words): A structured summary should contain the
following subheadings: Rationale/ gaps in existing knowledge, Novelty, Objectives,
Methods, and Expected outcome.

Rapid and accurate species identification and antimicrobial resistance
are important for early treatment and contain AMR pathogens. MALDI-
as a rapid taxonomical tool for species identification and to distinguish
microorganisms. The technique is already popular due to the availability
together with reference spectra database integrated software's, rapid
preparation procedure, high-throughput processing, involvement of minimal
initial machine purchase associated costs and its relatively as of the ge
none of the available reference databases is complete in terms of all tr
pathogens and spectra quality of some species demands reinforcement
using real time clinical isolates. Novelty: Use of well-defined clinical isc
genomically) to create a high-definition reference database, otherwise,
origin. Objective is to establish MALDI reference spectra database spe
origin ESKAPE pathogens and to compare the efficiency with phenotypic
techniques. Methods: Clinical strains isolation, antibiotics susceptibility
sequencing to classify susceptible and resistant status, highly sensitive
creation, identification of genes and proteins for designing rapid diagnc
Establishment of a comprehensive MALDI reference spectra database
discrimination of resistant and sensitive strains. This work will enable r
with environmental and veterinary isolates - "One Health" approach.

Priority Area/Priority Area diseases

Communicable Diseases / Antimicrobial resistance

Area of Research (Discovery)

Area of Research (Development)

Area of Research (Delivery)

Primary

Keywords Six keywords separated by comma which best describe your project
may be provided.

MALDI TOF MS, MALDI typing, Species identification, Antimicrobial re

Abbreviations Only standard abbreviations should be used in the text. List of
abbreviations maximum of ten may be given as a list.

ESKAPE - Enterococcus faecium, Staphylococcus aureus, Klebsiella p
baumannii, Pseudomonas aeruginosa, and Enterobacter species MAL

INTERNATIONAL CONCLAVE ON AMR AND FUTURE OF ANTIBIOTICS

Department of Biological Sciences, SRM University-AP, Andhra Pradesh, India

Nov 08 & 09, 2023

In Association with



Thematic areas

- Antimicrobial resistance (AMR)
- AMR in a One Health world
- AMR surveillance, Genomics & Diagnostics
- Next Generation Antimicrobials
- Emerging alternatives to antibiotics

Programme

- Keynote Lectures
- Panel Discussion
- AMR Innovations Start-up Zone
- Young Scientists Session
- Poster presentation

Important Dates

- Last date for submission of Abstract
October 10, 2023
- Confirmation of Abstract acceptance
October 15, 2023
- Last date for registration
October 31, 2023

Keynote Speakers

Dr Phil Packer

Innovation lead of AMR and Vaccines, Innovate UK

Dr Bhabatosh Das

Translational Health Science and Technology Institute, Faridabad, India

Dr Simon Doherty

Queen's University Belfast (QUB), UK

Prof. P Anand Kumar

Sri Venkateshwara Veterinary University, India

Dr Joanna Wiecek

CSO, CircaGene, UK

Dr Krishna Kumar Ballamoola

NITTE University Centre of Science Education and Research, India

Dr Mandy Nevel

Head of Animal Health and Welfare, AHDB, UK

Dr Saravanan Matheshwaran

IIT-Kanpur, India

Dr Peter Coombes

LifeArc, UK

Dr Shijulal Nelson Sathi

Rajiv Gandhi Centre for Biotechnology, Trivandrum, India

Dr Robin Cohen

Innovate UK

Prof. Dipshikha Chakravorty

Indian Institute of Science, India

Dr Syed Ahmed

Program Lead for Global Expert Mission, Innovate UK KTN

Dr T Ramamurthy

National Institute of Cholera and Enteric Diseases (ICMR), India

Dr Maarten van Dongen

AMR Insights, The Netherlands

Dr Geetha Kumar

Amrita Vishwavidyapeetham, India

Dr GVS Murthy

The London School of Hygiene & Tropical Medicine, UK

Dr Prasad Burra

KL University, India

Registration Fee Details

Category	Registration Fee	Accommodation Fee
UG / PG Students	Rs. 500	Rs. 1000 (sharing)
PhD students/ Post Doc/ JRF	Rs. 1000	
Faculty	Rs. 1500	Rs. 3000 (non-sharing)
Industry	Rs. 2000	Rs. 3000 (non-sharing)
Foreign Participants	\$100	\$150 (non-sharing)

Note:

- A limited number of travel allowance is available for PhD students from India whose abstract accepted for short talks or poster presentation.
- Registration also includes meals.

Website link

<https://srmmap.edu.in/icafa-2023/>

Contact Details

✉ conf.amr2023@srmmap.edu.in

☎ +91 8309357286



Scientific advisors

Prof. Reddanna Pallu, Federation of Asian Biotech Associations (FABA)

Prof. Ranga Reddy Burri, Infection Control Academy of India (IFCAI)

Prof. Iddya Karunasagar, NITTE (Deemed to be University), Karnataka

Conveners

Prof. Jayaseelan Murugaiyan, Prof & Head of the Department

Dr Sutharsan Govindarajan, Assistant Professor & DBT-Welcome Trust Faculty

Prof. Anirban Chakraborty, Director, NUCSER

Dept. of Biological Sciences, SRM University-AP

NITTE (Deemed to be University), Karnataka

ICAFAspeakers



Dr Phil Packer
Innovation lead of AMR
and Vaccines, Innovate UK



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Queen's University Belfast
(QUB), UK



Dr Joanna Wiecek
CSO, CircaGene, UK



Dr Mandy Nevel
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Welfare, AHDB, UK



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LifeArc, UK



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Innovate UK



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Program Lead for Global Expert
Mission, Innovate UK KTN



**Dr Maarten van
Dongen**
AMR Insights, The Netherlands



Prof. Reddanna Pallu
Federation of Asian Biotech
Associations (FABA)



**Prof. Ranga Reddy
Burri**
Infection Control Academy of India (ICAI)



**Dr Saravanan
Matheshwaran**
IIT-Kanpur



**Dr Shijulal Nelson
Sathi**
Rajiv Gandhi Centre for Biotechnology,
Trivandrum



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Translational Health Science and
Technology Institute, Faridabad, India



**Prof. Dipshikha
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Indian Institute of Science



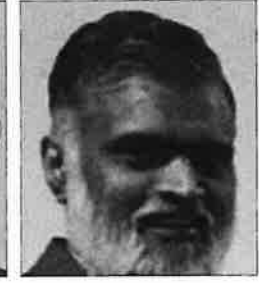
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Amrita Vishwavidyapeetham, India



Dr Prasad Burra
KL University, India



Prof. P Anand Kuma
Professor & Head of Veterinary
Microbiology NTR College of
Veterinary Science, Sri Venkateswara
Veterinary University



**Dr Krishna Kumar
Ballamoole**
Associate Professor G-I NITTE University
Centre for Science Education and
Research Mangaluru



Dr Deekshit
Associate Professor G-I NITTE University
Centre for Science Education and
Research Mangaluru



Dr Praveen Rai
Associate Professor G-I NITTE University
Centre for Science Education and
Research Mangaluru



Prof. Niyaz Ahmed
Professor, Shanti Swarup Bhatnagar
Prize Fellow Dept. of Biotechnology &
Bioinformatics, University of Hyderabad



Dr Nagendra Hegde
Scientist-H National Institute of Animal
Biotechnology Hyderabad

Report for attending Conferences/ Workshops/Competitions

Name of the Student:	1) Sharayu Narayan Magar 2) Saranya A 3) Vidhya Das 4) Nandhakumar M	
Registration Number:	1) AP20135060004 2) AP20135060006 3) AP22135060007 4) AP22135060002	
Name of the Program Enrolled:	Hands- On Workshop	
Name of the Department:	Biological Sciences	
Title of the Event:	Hands on training in Microbial Genomics & Metagenomics	
Nature of the Event:	workshops	
Level of the Event:	National	
Date: (From date - to date)	17-07-2023	21-07-2023
Duration:	5 Days	
Host Organisation:	NITTE University Centre for Science Education & Research	
Location:	Mangalore, Karnataka	
Subject Area:	Microbial Genomics & Metagenomics	
Key takeaways from the attended event: (up to 100 words)	<p>The workshop Hands-on training “Microbial Genomics And Metagenomics” covered the area of Nucleotide genome sequence and quality checking, trimming, whole genome sequencing, and Comprehensive genome analysis: Plasmid, AMR gene Detection, pan genome analysis, Submission of NGS data to a public database, and metagenomics, etc. The primary objectives of the workshop were to introduce participants to the useGalaxy platform, provide hands-on experience with various tools and analyses, and enable attendees to confidently incorporate useGalaxy into their research projects. useGalaxy is a powerful and user-friendly platform that provides a wide range of tools and workflows for various bioinformatics analyses. Multi QC, Fast QC, ABRicate, and Trimmer are some of the tools that have been used. The PATRIC is another platform (Pathosystems Resource Integration Center) server that is a comprehensive bioinformatics platform</p>	

that provides a wide range of tools and resources for the analysis of bacterial pathogens and related organisms. PATRIC is specifically designed to support research in infectious diseases, pathogenicity, antimicrobial resistance, and comparative genomics. The workshop also taught how to create phylogenetic trees of closely related organisms.

Event
Flyer/brochure:

NITTE | NITTE UNIVERSITY CENTRE FOR SCIENCE EDUCATION & RESEARCH

**HANDS ON TRAINING
MICROBIAL GENOMICS AND
METAGENOMICS**

Co-organized by
**Nitte University Centre for
Science Education & Research
and
BIOKART INDIA Pvt. Ltd.**

PROGRAMME FEE
Research Scholars and students: Rs. 2500/-
Faculty members: Rs. 4000/-

RESOURCE PERSONS
Industry experts
and Faculty from Academies

Name of the program: NITTE Designed to be: University
Center Based, ASSAUMS Research
Excellence, Bangalore
City: 560024
Phone No: 08242200429
Website No: 08242200429

Number of seats: 30

**Duration: 5 Days
17th - 21st July, 2023**

Nitte University
Centre for Science Education and Research
Mangaluru - 575018
0824-2204292
niteser@nitte.edu.in

Scan the QR code to apply for hands-on training

Click Here to Apply

Click Here to Apply

Amount spent:

NA

Whether
institute
provided
financial
support:
(Yes/No)

No

NA

Event Pictures
(with Geo-
tagging)





Prepared By: M Nandhakumar
Date: 25-07-2023

M. Dutt
Signature:



NITTE UNIVERSITY CENTRE FOR
SCIENCE EDUCATION & RESEARCH

HANDS ON TRAINING MICROBIAL GENOMICS AND METAGENOMICS

co-organized by

**Nitte University Centre for
Science Education & Research**

and

BIOKART INDIA Pvt. Ltd.

PROGRAMME FEE

Research Scholars and students	Rs.2500/-
Faculty members	Rs.4000/-

RESOURCE PERSONS

Industry experts
and Faculty from Academic

**Number
of seats: 30**

Name of the account: Nitte Deemed to be University

Name of Bank: Canara Bank, ABSMIDS Branch
Deralakatte, Mangaluru

IFSC/RTGS: CNRB0010245

Account No. 02452200028169

**Duration: 5 Days
17th -21st July, 2023**



Scan the QR code to apply
for hands-on training



**Nitte University
Centre for Science Education and Research**

Mangaluru- 575018

☎ 0824-2204292

✉ nucser@nitte.edu.in

[Click here
to locate us](#)





NITTE
(Deemed to be University)

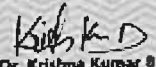
**NITTE UNIVERSITY CENTRE FOR
SCIENCE EDUCATION & RESEARCH**



CERTIFICATE OF PARTICIPATION

This is to certify that Ms/Mr / Dr. Saranya Adukkadukkam
has actively participated in the 5 days "Hands on training on Microbial Genomics & Metagenomics
conducted by Nitte University Centre for Science Education and Research (NUCSER) in association with
Biokart India Pvt Ltd From 17th to 21st July 2023


Mr. Vikram S.
Director
Biokart India Pvt Ltd


Dr. Krishna Kumar B.
Associate Professor
NUCSER


Prof. Dr. Anirban Chakraborty
Director
NUCSER



NITTE
(Deemed to be University)

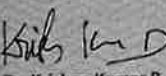
**NITTE UNIVERSITY CENTRE FOR
SCIENCE EDUCATION & RESEARCH**



CERTIFICATE OF PARTICIPATION

This is to certify that Ms/Mr / Dr. Nandhakumar Muruganandam
has actively participated in the 5 days "Hands on training on Microbial Genomics & Metagenomics
conducted by Nitte University Centre for Science Education and Research (NUCSER) in association with
Biokart India Pvt Ltd From 17th to 21st July 2023


Mr. Vikram S.
Director
Biokart India Pvt Ltd


Dr. Krishna Kumar B.
Associate Professor
NUCSER


Prof. Dr. Anirban Chakraborty
Director
NUCSER



NITTE UNIVERSITY CENTRE FOR SCIENCE EDUCATION & RESEARCH



CERTIFICATE OF PARTICIPATION

This is to certify that Ms/Mr / Dr. Vedhya Das has actively participated in the 5 days "Hands on training on Microbial Genomics & Metagenomics conducted by Nitte University Centre for Science Education and Research (NUCSE) in association with Biolart India Pvt Ltd From 17th to 21st July 2023

Mr. Vikram S. Director Biolart India Pvt Ltd

Dr. Krishna Kumar B. Associate Professor NITTE

Prof. Dr. Amraban Chakraborty Director NUCSER



NITTE UNIVERSITY CENTRE FOR SCIENCE EDUCATION & RESEARCH



CERTIFICATE OF PARTICIPATION

This is to certify that Ms/Mr / Dr. Sharayu Magar has actively participated in the 5 days "Hands on training on Microbial Genomics & Metagenomics conducted by Nitte University Centre for Science Education and Research (NUCSE) in association with Biolart India Pvt Ltd From 17th to 21st July 2023

Mr. Vikram S. Director Biolart India Pvt Ltd

Dr. Krishna Kumar B. Associate Professor NITTE

Prof. Dr. Amraban Chakraborty Director NUCSER

e-Project Management Information System

<https://dbtepromis.nic.in> | Email: epromis.dbt@nic.in

This refers to the project proposal entitled **Phandage: Development of novel lytic phage impregnated bandage for treating wound infection** submitted by you for financial support to this Department.

The Permanent Project Registration Number of this project is: **BT/PR50629/MED/32/987/2023**

This project will be considered under Task Force which is being handled by the following officers:

(a.) Group Head: , , Email Id:

(b.) Programme Officer: Dr. Kalaivani Ganesan

**Address: Department of Biotechnology,
Block 2, 6th-8th Floor
CGO Complex, Lodhi Road
New Delhi - 110003**

Please always quote PERMANENT PROJECT REGISTRATION NUMBER and TITLE OF THE PROJECT in all future correspondence with DBT. You can track this project account at <https://dbtepromis.nic.in/> To track this project you are required to login with your Principal Investigator (PI) username and password. For any further assistance, you may contact eProMIS administrator in email ID: epromis.dbt@nic.in

Note: Please don't change the subject line in further communication with eProMIS.

**Regards
Administrator
DBT eProMIS**

This is an auto generated mail. Please do not reply

Prof. Jayaseelan Murugaiyan., Ph.D.,
Associate Dean i/c (Sciences),
Professor & Head, Department of Biological Sciences,
School of Engineering and Sciences (SEAS),

Appendix to Academic Cooperation Agreement



STUDENT EXCHANGE AGREEMENT



BETWEEN

TAMKANG UNIVERSITY, TAIWAN, REPUBLIC of CHINA

AND

SRM UNIVERSITY AP - ANDHRA PRADESH, INDIA

This is an Appendix to the Academic Cooperation Agreement between Tamkang University and the SRM University - AP, Andhra Pradesh signed on _____, 2022. The Academic Cooperation Agreement, together with this signed Appendix shall constitute an exchange agreement.

In furtherance of their mutual interests in teaching and research, desire to strengthen mutual contact, and commitment to promote increased international cooperation, Tamkang University, Taiwan, Republic of China (hereafter referred to as TKU) and the SRM University - AP, Andhra Pradesh, India (hereafter referred to as SRM AP) have approved the following student exchange agreement.

1. SCOPE OF THE AGREEMENT

1.1 Objectives

The purpose of the agreement is to establish the terms and conditions under which the exchange of students between TKU and SRM AP shall take place. The terms and conditions of the agreement apply to undergraduate and or postgraduate students from the following academic fields or disciplines;

- a. For SRM AP All available academic fields
- b. For TKU All available academic fields

Henceforth the university accepting students will be referred to as the Host University. The university providing the exchange students will be referred to as the Home University.

1.2 Period of the Agreement

The agreement will be effective from the date of signature. The agreement will remain in place until one or both institutions recommend termination or modification of the Academic Cooperation Agreement or this agreement.



[Handwritten signature]



ACADEMIC COOPERATION AGREEMENT
BETWEEN
TAMKANG UNIVERSITY, TAIWAN, REPUBLIC of CHINA
AND
SRM UNIVERSITY AP - ANDHRA PRADESH, INDIA



Tamkang University, Taiwan, Republic of China, and SRM University - AP, Andhra Pradesh hereby agree to the following Academic Agreement in order to encourage institutional cooperation:

- 1. Purpose:** The purpose of this agreement is to promote, through mutually beneficial programs of educational cooperation and exchange, a better understanding and friendship between the two institutions.
- 2. Operation:** The agreement, upon the approval of the Presidents of both institutions, will provide a general framework for institutional cooperation. The President of each institution will designate a contact person to coordinate and implement this Agreement in the best interest of both institutions.
- 3. Faculty Exchange:** Exchange of faculty members or visiting faculty arrangements to engage in teaching, research, and/or advanced study at each other's institutions will be encouraged. The number and conditions of such exchanges including exchange or visit length, institutional fiscal obligations, and other matters shall be that which is mutually agreed upon by the Presidents of the two institutions.
- 4. Student Exchange:** Attendance of graduate and undergraduate students from one institution to the other is encouraged. The number of students exchanged will be approximately the same from each institution. Students are expected to pay their tuition and fees at their home institution.
- 5. Special Programs:** Programs may include teaching, student development, research, or conferences. Other mutually agreed upon programs may be undertaken on either campus with the approval of the two institutions.
- 6. Publication Exchange:** Both institutions agree to consider exchanges of selected publications and photocopy of library materials of equal value.
- 7. Outside Funding:** Either institution can jointly or separately seek outside funding in support of this agreement.

This agreement will take effect when the Signing Authorities of both institutions have affixed their signatures thereto. Any amendment and/or modification of this agreement require written approval of the Presidents of both institutions and shall be appended hereto. Any issues not addressed in this agreement shall be resolved through mutual agreement, and each party covenants that it will use good faith in trying to reach such an agreement.

Tamkang University

Lucia Chen.

Dr. Lucia Chen
Vice President for International
Affairs

Dec. 13, 2022

Date

Address: No. 151, Yingzhuang Rd.,
Tamsui Dist., New Taipei City
251301, Taiwan, Republic of China

SRM University - AP, Andhra Pradesh

R. Premkumar

Dr. R. Premkumar
Registrar

REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

30.05.2023

Date

Address: Neerukonda, Mangalagiri
Mandal Guntur District, Mangalagiri,
Andhra Pradesh, India 522240



1.3 Period of Exchange

The exchange of students will commence in the 2023-24 academic year. Each exchange under the terms of this agreement shall be for one semester or an academic year.

1.4 Numbers of students

- a. SRM AP and TKU agree to accept a maximum of TWO exchange students from each institution each year or the equivalent number on a semester basis.
- b. Where possible each exchange will be made on a one-to-one equal exchange basis. However, if the number of students exchanged between the institutions is not in balance each semester, an approximate balance should be achieved over the five-year period of the Agreement.
- c. The obligations of the institutions under the agreement are only for the participants and include neither spouses nor dependents. Those who accompany the participants are the responsibility of the participants.

2. IMPLEMENTATION OF THE AGREEMENT

2.1 Tuition fees

Both institutions agree to waive tuition charges for their exchange students on a reciprocal basis.

2.2 Selection, Enrolment, Accreditation and Preparation

- a. Participating students in the exchange program must have completed at least one year of academic study. They will be selected by their home institution on the general basis of previous academic merit and enrolled for full-time non-degree enrolment at the host institution.
- b. Nomination to the host institution will be accompanied by an official academic record and the Undergraduate/ Postgraduate Application for Admission form for international students. The home institution will advise the host institution of any course details, essential to a student's curricular plan and particulars such as known health problems, which might affect the student's progress or require special assistance.
- c. Both institutions agree on the number of one-to-one equal exchanges four months in advance of the commencement of the academic year or each semester/term.
- d. The host institution will endeavor to ensure that students are admitted to courses regarded as essential. However, admission to a specific department or course is subject to the student being satisfactorily qualified for the chosen



nm

area of study and the availability of resources in the period for which admission is sought.

- e. The host institution reserves the right to reject candidates on academic grounds, in which case the home institution may nominate additional candidates for consideration.
- f. Neither the home institution nor the host institution will on the grounds of race, color, national origin, sex, sexual preference, or creed, exclude students from participation in the exchange.
- g. Exchange students will be subject to the academic requirements and rules of conduct of the host institution. The home institution will advise their students of the academic and cultural expectations of the host institution.
- h. Accreditation for the work carried out by a student during the period of the exchange, will be at the discretion of the student's home institution.
- i. The host institution will provide the home institution with a final transcript from the Office of the Registrar, describing the student's academic performance.
- j. Students selected for the exchange will be required to have sufficient knowledge of the language appropriate to the host institution to carry out their studies and research at the Host Institution.

2.3 Orientation and Services

In the spirit of exchange, the host institution will facilitate as much as possible, the admission, academic progress, physical relocation and cultural orientation of incoming students.

The host institution will provide incoming exchange students with:

- a. access to university facilities as full members of the host institution, including library, sport and Student Union facilities.
- b. an orientation program.
- c. information on health insurance requirements and the extent of the medical cover.
- d. academic and other advisory services.
- e. assistance in securing housing where possible in the residence halls or appropriate off-campus alternatives.
- f. documents necessary for obtaining a visa.
- g. appropriate language support to enable students to cope with the demands of studying in a second language.

The exchange students will have responsibility for:

- a. paying home institution tuition fees prior to participation in the program.
- b. room and board expenses.
- c. transportation to and from the host institution.



[Handwritten signature]

- d. medical insurance.
- e. expenses in excess of the medical coverage.
- f. textbooks, clothing and personal expenses.
- g. obtaining an appropriate visa.
- h. all other debts incurred during the period of the exchange.

2.4 Co-ordination of the exchange

- a In order to carry out and fulfil the goals of this agreement, management of the exchange will be the responsibility of Office of International and Cross-Strait Affairs, TKU and Office of International Relations & Higher Studies, SRM AP.
- b Each year both institutions will provide the partner institution with all necessary details of the academic year, course descriptions, handbooks and all other information to enable students to make an informed choice of subjects to be taken at the host institution.


3. TERMINATION AND MODIFICATION OF THE AGREEMENT

The agreement may be terminated or altered by either party provided that written notice of intent to terminate is given at least six months prior to termination. Commitments already in progress shall be fulfilled.

The agreement may be modified by written agreement signed by both institutions.

Each institution shall have the option of terminating an exchange arrangement as it pertains to an individual student, should the student violate laws or regulations of the host institution or be found by a court of law to have violated the law of the host country.

Signed on behalf of
Tamkang University



Dr. Lucia Chen
Vice President for International Affairs

Address: No. 151, Yingzhuang Rd.,
Tamsui Dist., New Taipei City 251301,
Taiwan, Republic of China

SRM University - AP, Andhra Pradesh



Dr. R. Premkumar
Registrar

Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240



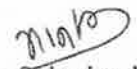
Address: Neerukonda, Mangalagiri
Mandal Guntur District, Mangalagiri,
Andhra Pradesh, India 522240

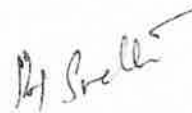
The Directorate of International Relations & Higher Studies**Date: 23-11-2023****Note Sheet**

The following students have completed their onsite Internship under our partner university i. e Tamkang University, Taiwan.

S.N.	Name of the Student	Enrollment Number	Name of Department	Start date of Internship	End Date of Internship
1	Chalamalapalli Srinivasa Rao	AP19110030001	Mechanical Engineering	1 st March 2023	23 rd June 2023
2	CH Varun Ramaraju	AP18110030063	Mechanical Engineering	1 st March 2023	23 rd June 2023

The supporting documents are attached for your reference.


Submitted by
Nishant Mankar
Program Coordinator
International Internship Program


Approved by
Dr. Naga Swetha Pasupuleti
Director-IRHS

Director
International Relations and Higher Studies
SRM University AP, Andhra Pradesh



淡江大學研習證明

CERTIFICATE OF COMPLETION

2023.06.23

June 23, 2023

學員 **CHALAMALAPALLI SRINIVASA RAO**
於 2023 年 3 月 1 日 至 6 月 23 日 參加
TEEP@AsiaPlus Program 完成研習

This is to certify that
CHALAMALAPALLI SRINIVASA RAO has
successfully completed the TEEP@AsiaPlus
Program held during March 1, 2023 to June
23, 2023.

特此證明

機械與機電工程學系

Chyan-chyi Wu

Chairman, Department of
Department of Mechanical
and Electro-Mechanical
Engineering

Dr. Sreek

Director

International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

中華民國



2023 年 6 月 23 日



淡江大學研習證明

CERTIFICATE OF COMPLETION

2023.06.23

June 23, 2023

學員 **CH Varun Ramaraju** 於 2023 年 3 月
1 日 至 6 月 23 日 參加 TEEP@AsiaPlus
Program 完成研習

This is to certify that
CH Varun Ramaraju has successfully
completed the TEEP@AsiaPlus Program
held during March 1, 2023 to June 23, 2023.

特此證明

機械與機電工程學系

Chyan-Chyi Wu

Chairman, Department of
Department of Mechanical
and Electro-Mechanical
Engineering

M. S. Sreelakshmi

Director

International Relations and Higher Studies
SRM University-AP, Andhra Pradesh



中華民國 112 年 6 月 23 日

TAMKANG UNIVERSITY

MEMORANDUM OF UNDERSTANDING

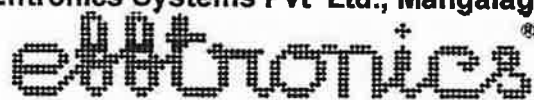
Between

SRM UNIVERSITY-AP, ANDHRA PRADESH



And

Efftronics Systems Pvt Ltd., Mangalagiri



To provide insight for enhancing wealth

MEMORANDUM OF UNDERSTANDING

This agreement is entered into on this 25th day of May 2023
BETWEEN

SRM UNIVERSITY-AP, Neerukonda, Mangalagiri Mandal
Guntur District, Andhra Pradesh 522240, India.

AND

Efftronics Systems Pvt Ltd., Plot No.4, IT Park,
Auto Nagar, Mangalagiri, Guntur District, Andhra Pradesh 522503, India.

Whereas, **Efftronics** is a technology leader in Data Acquisition Systems, Data Dissemination Systems, Multilingual Graphics and Engineering Solutions and offers Innovative products & solutions that enable companies to optimize their business process

Whereas **SRM UNIVERSITY-AP, ANDHRA PRADESH**, is a multi-stream research university with a focus on diverse fields. From Engineering to Sciences and Liberal Arts to Management, SRM University-AP's vision is to emerge as a world-class university that is globally connected, nationally relevant, and regionally transformative. And hereinafter unless the context otherwise requires be referred to as **SRMUAP**.

WHEREAS, both SRMUAP and Efftronics, now collaborate and co-operate between themselves to promote more effective use of each of their resources provide enhanced opportunities.

NOW, THEREFORE, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both SRMUAP and EFFTRONICS hereby acknowledge and agree to sign a Memorandum of Understanding (MOU).

ARTICLE-I: SCOPE OF THE MOU

SRM & Efftronics propose to collaborate through.

- a. **Skill Development Programs:** Efftronics shall train the students on the emerging technologies to bridge the skill gap and make them industry ready.
- b. **Guest Lectures:** Efftronics shall extend necessary support to deliver guest lectures to the students and faculty of the college on the technology trends.
- c. **Faculty Development Programs:** Efftronics shall train the Faculties of the College and SRM shall train the employees of Efftronics on mutual consent.
- d. **Research and Consultancy:** Industrial visits, internships to students and faculties at Efftronics facilities, collaborative Research and Consultancy on mutual consent.
- e. **Innovation and Incubation:** Efftronics shall provide problem statements and challenges in key areas of industry so that the competitiveness and innovation abilities of students and faculties can improve towards product development.

ARTICLE-II: EFFECTIVE DATE AND DURATION OF MOU

- This MOU shall be effective from the date of its execution by competent authorities at both ends. The duration of the MOU shall be for a period of 5 years from the effective date.
- During its tenancy, the MOU may be extended or terminated by prior notice of not less than 3 months by either party. However, termination of the MOU will not in any manner affect the on- going projects or training being undertaken at that point of time under the MOU.
- Any clause or article of the MOU may be modified or amended by mutual agreement of Efftronics and SRMUAP.

ARTICLE-III: IPR

- Rights regarding publications, patents, royalty, ownership of product, design, process, codebase etc. under the scope of this MOU, shall be decided by the two parties by mutual consent.

ARTICLE-IV: CONFIDENTIALITY

- During the tenure of the MOU both SRMUAP and Efftronics will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.
- Both SRMUAP and Efftronics shall bind their respective personnel who come into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or projects.
- Further both SRMUAP and Efftronics shall put in place adequate and reasonable measures to keep and store confidential information secure to prevent any unauthorized use.
- CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to parties collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions.
- However confidential information shall not include any data or information which:
 - Is or become publicly available through no fault of the receiving party
 - Is already in the rightful possession of the receiving party prior to its receipt of such data or information.
 - Is independently developed by the receiving party without reference to the confidential information of the disclosing party
 - Is rightfully obtained by the receiving party from a third party or is in the public domain.
 - Is disclosed with the written consent of the party whose information it is, or
 - Is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party

ARTICLE-V: AMENDMENTS

Any amendment add /or addenda to the AGREEMENT shall be in writing and signed by the PARTIES Here to and shall only after such execution be deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent required by such amendment or addenda.

ARTICLE-VI: RESOLUTION OF DISPUTES

- This agreement shall take effect and be construed in accordance with the Laws of India and be subject to the jurisdiction of the courts at Amaravati, Guntur District, Andhra Pradesh.
- The dispute or difference whatsoever arises between PARTIES in relation to or in connection with this AGREEMENT both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of THE ARBITRATION AND CONCILIATION (AMENDMENT) ACT, 2015. The venue of arbitration shall be Amaravati, Guntur District, Andhra Pradesh and Language of arbitration shall be English.

ARTICLE-VII: MISCELLANEOUS

- The headings and subheadings are inserted for convenience only and shall not affect the construction of this Agreement.
- Both SRMUAP and Efftronics shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.
- No failure to exercise and no delay in exercising, on the part of a Party, and right, remedy, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, remedy, power, or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power, or privilege. The rights, remedies, power and remedies, powers and privileges provided by law.
- After this Agreement has been signed, all preceding understandings/negotiations and correspondence pertaining to it shall become null and void.
- In case of any unforeseen issues which are not covered by this Agreement, then Both Parties shall sort out the issues amicably.


ARTICLE-VIII: COORDINATORSHIP(s)

- The following members from SRMUAP and Efftronics will coordinate the activities
 1. Dr. V. Udaya Sankar, Assistant Professor, ECE department, SRM AP
 2. Prof. Rupesh, Professor in-charge, Industry-Academia Relations, SRM AP
 3. Mrs.Spurthi.D, Manager- HR, Efronics

ARTICLE – IX: COMMERCIAL TERMS

- For every training, project work, consultancy, research work, lab establishment, initiative etc. a detailed statement of work (SOW) will be developed highlighting roles and responsibilities along with Commercials and schedule.

SRM University AP



**Dr R Premkumar
Registrar**

Efftronics Systems Pvt. Ltd.



**D.Rama Krishna
CEO**

Witness:

1. Name V. Ramesh
2. Name V. V.

Witness:

1. Name Spurthi D
2. Name A.M. Krishna Priya



Durgam Sravani <sravani.d@srmap.edu.in>

Fwd: [Urgent and Important] Prof Siva Prasad Visit- MOM

1 message

Udaya Sankar V <udayasankar.v@srmap.edu.in>
To: Durgam Sravani <sravani.d@srmap.edu.in>

Tue, Oct 10, 2023 at 10:46 AM

Dr. V. Udaya Sankar

Assistant Professor, Dept. of ECE,
No:209, AGA & Hardware Securities Lab,
New Research Block,
SRM University-AP, Amaravati
Andhra Pradesh-522502
<http://srmap.edu.in>



----- Forwarded message -----

From: **Udaya Sankar V** <udayasankar.v@srmap.edu.in>
Date: Mon, Oct 9, 2023 at 10:31 AM
Subject: [Urgent and Important] Prof Siva Prasad Visit- MOM
To: Head of the Department Mechanical Engineering <hod.me@srmap.edu.in>, Head of the Department Electronics and Communication Engineering <hod.ece@srmap.edu.in>, Head of the Department Electrical and Electronics Engineering <hod.eee@srmap.edu.in>
Cc: Associate Dean Engineering <assocdean.engg@srmap.edu.in>, Dean Research <dean.research@srmap.edu.in>

Dear All,

I already spoke with Efftronics MD. As an immediate action, Efftronics MD suggested us to visit their company where we can understand the Fail Safe system practically and later we can have a meeting with them to understand more about the project.

Could you please kindly nominate/send interested faculty for the same immediately.

@Prakash Ji: Thank you for the mail.

Best Regards,

Uday

Dr. V. Udaya Sankar

Assistant Professor, Dept. of ECE,
No:209, AGA & Hardware Securities Lab,
New Research Block,
SRM University-AP, Amaravati
Andhra Pradesh-522502
<http://srmap.edu.in>



On Mon, Oct 2, 2023 at 1:50 PM Head of the Department Mechanical Engineering <hod.me@srmmap.edu.in> wrote:

Dear All

Dr Udaya Sankar from ECE has agreed to take this work (Fail-safe systems) forward as a SPOC.

All departments and faculties will give him the required support.

Thanks

On Thu, Sep 28, 2023 at 5:43 PM Vice Chancellor, SRM-AP <vc@srmmap.edu.in> wrote:

Dear Prakash.

Thank you for the MOM. Good to know that there was some interest.

If we really want to engage with the industry, we need to work deeper and with all sincerity. It is very hard in the beginning, but once it happens, the fruits are galore.

Requesting HODs of ECE, Mech, EEE and CSE to grab on this opportunity and work with complete might.

Please assign a coordinator (SPOC) to take this project forward.

Best wishes and regards.

Prof. Manoj K. Arora

Vice Chancellor

Email : vc@srmmap.edu.in



On Wed, Sep 27, 2023 at 4:59 PM Head of the Department Mechanical Engineering <hod.me@srmmap.edu.in> wrote:

Dear All

Please find attached the minutes of meeting of Prof Siva Prasad's visit to our campus today

Thanks

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Dr. Prakash Jadhav

Professor and Head, Department of Mechanical Engineering

SRM University-AP

Dist Guntur, Andhra Pradesh 522502

Landline 0863-2343066

Mobile 9663387438

www.srmmap.edu.in



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Dr. Prakash Jadhav

Professor and Head, Department of Mechanical Engineering
SRM University-AP
Dist Guntur, Andhra Pradesh 522502
Landline 0863-2343066
Mobile 9663387438
www.srmap.edu.in





Durgam Sravani <sravani.d@srmmap.edu.in>

Fwd: Welcome To Fail Safe Systems Group

Maheshwar Dwivedy <maheshwar.d@srmmap.edu.in>
To: Durgam Sravani <sravani.d@srmmap.edu.in>

Mon, Oct 30, 2023 at 1:18 PM

----- Forwarded message -----

From: **Udaya Sankar V** <udayasankar.v@srmmap.edu.in>

Date: Fri, Oct 20, 2023 at 9:07 AM

Subject: Welcome To Fail Safe Systems Group

To: Ramesh Vaddi <ramesh.v@srmmap.edu.in>, Ramakrishnan Maharajan <ramakrishnan.m@srmmap.edu.in>, Anirban Ghosh <anirban.g@srmmap.edu.in>, Murali Krishna Enduri <muralikrishna.e@srmmap.edu.in>, Poolan Vivekananda Shanmuganathan <vivekananda.s@srmmap.edu.in>, Supen Kumar Sah <supenkumar.s@srmmap.edu.in>, Saswat Kumar Ram <saswatkumar.r@srmmap.edu.in>, Sanjeev Mani Yadav <sanjeevmani.y@srmmap.edu.in>, Manas Ranjan Tripathy <manasranjan.t@srmmap.edu.in>, Satyavir Singh <satyavir.s@srmmap.edu.in>, Pratikanta Mishra <pratikanta.m@srmmap.edu.in>

Cc: Head of the Department Electronics and Communication Engineering <hod.ece@srmmap.edu.in>, Head of the Department Mechanical Engineering <hod.me@srmmap.edu.in>, Head of the Department Computer Science and Engineering <hod.cse@srmmap.edu.in>, Head of the Department Electrical and Electronics Engineering <hod.eee@srmmap.edu.in>, Udaya Sankar V <udayasankar.v@srmmap.edu.in>, Maheshwar Dwivedy <maheshwar.d@srmmap.edu.in>

Dear All,

Thank you for agreeing to join the challenging and prestigious project team titled "Fail Safe System,". Welcome you all to this group. The main objective of the group is to build competency in this area to design, develop the failsafe systems related projects for various applications which are of national and international importance. This work will be in collaboration with Efftronics Systems Pvt.Ltd, Mangalagiri.

I already spoke with Ramakrishna garu, MD of Efftronics. He invited our team to visit their company to understand practically what is fail safe system. The below are the action plans with deadlines.

1. Visit Efftronics Systems Pvt. Ltd on coming Wednesday (25th, October, 2023)
2. Prepare a proposal to submit a DST-PURSE (10-15Cr) project with the help of Efftronics.

We shall be ready with a proposal by 25th December, 2023.

3. Regular meetings with our Mentor Prof. Siva Prasad to build our capabilities in this area along with proposal preparation.

4. If any concern upon the visit please kindly send me a mail or message me to my number: 9663300497

NB: Thank you for VC sir to get contact of Prof. Siva Prasad sir for this project execution in our campus, Thank you for HoDs of Mechanical, ECE, EE, Computer Science to getting members list.

Thank you all for joining this group. Lets work as a TEAM to execute the project and Together Everybody Achieve More.

Best Regards,
Uday

NB: Thank you for all HoDs

Dr. V. Udaya Sankar

Assistant Professor, Dept. of ECE,
No:209, AGA & Hardware Securities Lab,
New Research Block,
SRM University-AP, Amaravati
Andhra Pradesh-522502
<http://srmmap.edu.in>



Regards

Dr. Maheshwar Dwivedy

Associate Dean,

Academia-Industry Relations and Professional Internships,

SRM University-AP, Andhra Pradesh

Mangalagiri Mandal

Guntur district - 522240

Mobile No.8295005693

Landline: 0863 - 2343000 Extn: 3100

Website: <https://srmap.edu.in/>





Durgam Sravani <sravani.d@srmmap.edu.in>

Fwd: Welcome To Fail Safe Systems Group

Udaya Sankar V <udayasankar.v@srmmap.edu.in>
To: Durgam Sravani <sravani.d@srmmap.edu.in>

Thu, Jan 11, 2024 at 3:21 PM

Dear Madam,
MOM is given in the below mail.
Please kindly have a look at it.
Best Regards,
Uday

Dr. V. Udaya Sankar

Assistant Professor, Dept. of ECE,
No:209, AGA & Hardware Securities Lab,
New Research Block,
SRM University-AP, Amaravati
Andhra Pradesh-522502
<http://srmmap.edu.in>



----- Forwarded message -----

From: **Udaya Sankar V** <udayasankar.v@srmmap.edu.in>

Date: Mon, Oct 30, 2023 at 11:20 AM

Subject: Re: Welcome To Fail Safe Systems Group

To: Ramesh Vaddi <ramesh.v@srmmap.edu.in>, Ramakrishnan Maharajan <ramakrishnan.m@srmmap.edu.in>, Anirban Ghosh <anirban.g@srmmap.edu.in>, Murali Krishna Enduri <muralikrishna.e@srmmap.edu.in>, Poolan Vivekananda Shanmuganathan <vivekananda.s@srmmap.edu.in>, Supen Kumar Sah <supenkumar.s@srmmap.edu.in>, Saswat Kumar Ram <saswatkumar.r@srmmap.edu.in>, Sanjeev Mani Yadav <sanjeevmani.y@srmmap.edu.in>, Manas Ranjan Tripathy <manasranjan.t@srmmap.edu.in>, Satyavir Singh <satyavir.s@srmmap.edu.in>, Pratikanta Mishra <pratikanta.m@srmmap.edu.in>

Cc: Head of the Department Electronics and Communication Engineering <hod.ece@srmmap.edu.in>, Head of the Department Mechanical Engineering <hod.me@srmmap.edu.in>, Head of the Department Computer Science and Engineering <hod.cse@srmmap.edu.in>, Head of the Department Electrical and Electronics Engineering <hod.eee@srmmap.edu.in>, Maheshwar Dwivedy <maheshwar.d@srmmap.edu.in>

Dear All,

As per time action plan we visited Efftronics on 25th, Oct, 2023. Below are the Minuts of the meeting.

1. Efftronics people explained about fail safe system, with the following details.

- Monitoring of all signalling assets, Signalling systems (fault tolerant/fail safe system), electronic interlocking system and ladder network

2. They suggested the topic for proposal is: "Distributed Electronic Interlocking System"

3. They suggested us that they are willing to give FDP for the interested faculty in the following topics.

a. ARM + Communicaitons, FPGA + Communications, Failure mode effect analysis and Health monitoring of systems

4. They ask us to have few more interactions for converge to pin point topic for further future actions.

Here is our action plan.

1. Please kindly give your name for the training in the area of ARM and FPGA

2. Please kindly look into the current emerging technology existing in your area of expertise related to failsafe system with reference research paper and summarize it.

3. Plan for next visit to understand further

I will share the google docuement soon.

NB; Any other missing points please kindly write here.

Best Regards,

Uday

Dr. V. Udaya Sankar

Assistant Professor, Dept. of ECE,

No:209, AGA & Hardware Securities Lab,

New Research Block,

SRM University-AP, Amaravati

Andhra Pradesh-522502

<http://srmap.edu.in>



[Quoted text hidden]

Minutes of Meeting

Efftronics Systems Private Limited & SRM University- AP, Mangalagiri


Participants: V. Udaya Sankar, Ramesh Vaddi, Anirban, Ramakrishnan, P. Vivekanandan, Supen Shah, Saswath Kumar Ram, Satyaveer Singh, Pratinkata Mishra

Absentees: Nil

Agenda: To discuss on project related failsafe systems

Date: 25th Oct 2023

S. No	Discussion Points	Response	Action Taken
1	Efftronics people explained about fail safe system, with the following details. - Monitoring of all signalling assets, signalling systems (fault tolerant/ fail safe system), electronic interlocking system and ladder network		
2.	They suggested the topic for proposal is: "Distributed Electronic Interlocking System".		- working on the literature review
3.	They suggested us that they are willing to give FDP for the interested faculty in the following topics. a. ARM + Communications, FPGA + Communications, Failure mode effect analysis and Health monitoring of systems.		Names are identified and char out plan for further discussion
4.	They ask us to have few more interactions for converge to pinpoint topic for further future actions.		Will be having follow up visits soon



Signature of the concerned authority along with seal



**STUDENT TRANSFER ARTICULATION AGREEMENT
BETWEEN THE
UNIVERSITY OF KENTUCKY
IN LEXINGTON, KENTUCKY, USA
AND
SRM UNIVERSITY
IN ADHRA PRADESH, INDIA**

This STUDENT TRANSFER ARTICULATION AGREEMENT (hereinafter "Agreement") is entered into on this [date] of April 2023 by and between

the UNIVERSITY OF KENTUCKY, a public institution of higher education in the Commonwealth of Kentucky, with headquarters in Lexington, Kentucky 40506, USA, for its College of Arts & Sciences, College of Engineering, and Gatton College of Business & Economics (**hereinafter "UKY"**)

and

the SRM UNIVERSITY AP, with headquarters in Mangalagiri—Mandal, Neeru Konda, Amaravati, Andhra Pradesh 522502, India (**hereinafter "SRM AP"**)

either of which may be referred to as "Party" or "Institution," or collectively as "Parties" or "Institutions" throughout.

ARTICLE 1. PURPOSE

1.1 This Agreement sets forth terms and conditions by and under which the Parties agree to implement a student transfer articulation program (hereinafter "Program") to enable SRM AP students to enroll as either:

1.1.1 degree-seeking, international transfer students at UKY after having completed a mutually agreed upon number of academic terms and/or credit hours of undergraduate studies at SRM AP, provided they meet all relevant admission criteria as established by UKY. Coursework completed by participating students at SRM AP may be applied as transfer credits towards their UKY degrees in accordance with the policies and regulations regarding such credit transfer as established by UKY. Participating students will be awarded a UKY baccalaureate degree upon completion of all coursework and other degree requirements as established by UKY.



1.1.2 as visiting non-degree international students for one or two regular semesters of the academic year who may earn academic credits for coursework successfully completed at UKY towards their SRM AP degrees, in accordance with the policies and regulations regarding such credit transfer established by SRM AP.

ARTICLE 2. ELIGIBLE PROGRAMS OF STUDY AND CREDIT TRANSFER

2.1 *Eligible Programs of Study.* The Program will be open to participation by students currently enrolled and in good standing at SRM AP and applying for admission as full-time degree-seeking transfer students or full-time visiting students in any undergraduate program offered by UKY.

It is expected that SRM AP students participating in the Program will enroll primarily in courses that fulfill the selected academic program's requirements, as well as upper-level courses offered by UKY college administering the relevant degree program while at UKY. UKY courses that are offered by other colleges may be open to SRM AP students subject to available classroom space, prerequisite requirements, and other course restrictions as may apply to any student enrolled at UKY.

2.2 *Transfer Course Articulations.* The administrative liaison at SRM AP will share curricula, course descriptions and syllabi, and other relevant information to the administrative liaison at UKY to facilitate the creation of a transfer course guide that will specify those undergraduate courses completed at SRM AP by students participating in the Program that will be eligible for transfer towards their UKY degree requirements. UKY will advise SRM AP of all SRM AP courses that have been determined to be direct equivalents of particular UKY courses. SRM AP students who have successfully completed these courses and attained the required grade for transfer credit will be exempt from taking these courses while enrolled at UKY.

ARTICLE 3. NOMINATION, SELECTION, AND ENROLLMENT OF PARTICIPANTS

3.1. *Numbers.* For each academic year during which this Agreement is in effect, SRM AP may nominate up to ten (10) well-qualified students for participation in the Program, based on exceptional academic achievement and English language proficiency.

3.2. *Minimum Undergraduate Admission Requirements.* UKY will evaluate students nominated by SRM AP for participation in the Program and, taking into consideration the recommendations of SRM AP, make final determination regarding their admissibility to UKY as transfer students. At the time of nomination for participation in the Program, students must have earned a minimum grade point average (GPA) consistent with the current admissions policies of UKY and the UKY college administering the relevant degree program. In addition, transfer students must demonstrate proficiency as required for undergraduate admission by submitting an official score report from one of the following: a *Test of English as a Foreign Language* (TOEFL), an *International English Language Testing System* (IELTS), or *Duolingo* examination. At the time of entering into this Agreement, for students seeking admission to UKY as international transfer students, UKY accepts minimum TOEFL scores of 71 (Internet-Based Test, or iBT), 197 (Computer-Based Test, or CBT) or 527 (Paper-Based Test, or PBT), a minimum IELTS cumulative score of 6.0, or a minimum Duolingo score of 105.



nm

Accepted tests and score minimums are updated frequently. Please check with UKY's Office of Undergraduate Admission for the most up-to-date information regarding English language proficiency examinations and requirements. Visiting students may be eligible to meet English proficiency requirements through an interview with the appropriate liaison as identified by the campus liaison referenced in "Notices", below. If students are eligible for admission in all respects except English language proficiency, they may be offered conditional admission to work on English skills to satisfy admission standards. They will be allowed to enroll in the UKY Center for English as a Second Language (CESL), on a non-credit basis and according to the published CESL fee structure. Enrollment in CESL should not exceed one year. Students enrolling in CESL courses will take a placement test, based on the results of that test, students placing in Level 5 (High-Intermediate) or Level 6 (Advanced) CESL classes may qualify to enroll in the Global ESL Pathway which assists students with English skills while simultaneously beginning undergraduate coursework.

3.3. *Honors College Enrollment.* Students from SRM AP who apply for admission to UKY as international transfer students under the auspices of this Agreement, who are enrolled in good standing in an honors program or college at SRM AP at the time of their application to UKY, and who meet the admission requirements of the Lewis Honors College at UKY will be automatically considered for enrollment in the Lewis Honors College at UKY. Courses completed at SRM AP by honors students will be evaluated for transfer to UKY and for fulfilling honors requirements as established by the Lewis Honors College at UKY.

3.4. *Application Procedures and Documents.* SRM AP students nominated for participation in this Program will apply to UKY as international transfer students using the standard online application process as stipulated at:

<http://www.uky.edu/admission/transfer>

Transcripts of coursework completed at SRM AP, along with all supporting application materials as required by UKY, must be submitted in support of each SRM AP student's nomination for participation in the Program and must be official, certified by SRM AP, presented in English, and sent directly by SRM AP to the UKY Office of Undergraduate Admission.

3.5. *Enrollment Status.* Once accepted for participation in this Program by UKY, participating students will be enrolled either as full-time degree-seeking transfer students or as full-time visiting students at UKY. While enrolled at UKY, SRM AP students will receive all services normally provided to full-time UKY students, including access to campus facilities and instructional resources, academic advising, and other support. In addition, while enrolled at UKY, SRM AP students will enjoy the same rights and privileges, and will be subject to the same responsibilities, as are all other full-time, degree-seeking UKY students.

3.6. *Conduct of Participants.* While enrolled at UKY, SRM AP students participating in this Program will be subject to the same laws, rules, regulations, and policies as established and enforced by UKY and all relevant local, state, and federal governing agencies regarding academic and other conduct as apply to all registered UKY students. Participating students may be dismissed from the Program and asked to leave UKY for serious violations of conduct as would merit dismissal from the university for any other UKY student. In such cases, the responsibility and costs associated with returning to the student's home country will be borne by the student.

3.7. The parties named in "Notices", below, will be notified when a participating student is dismissed from the program.



A handwritten signature in black ink, appearing to be 'nm ty', is written over the right side of the seal.

3.8. *Non-discrimination.* Eligibility for participation in this Program will be determined without regard to race, sex, color, religion, sexual orientation, marital status, national origin, age, or beliefs. UKY does not discriminate on the basis of race, color, national origin, ethnic origin, religion, creed, age, physical or mental disability, veteran status, uniformed service, political belief, sex, sexual orientation, gender identity, gender expression, pregnancy, marital status, genetic information, social or economic status, or whether a person is a smoker or nonsmoker, provided that the person complies with UKY policy concerning smoking.

ARTICLE 4. FINANCIAL ARRANGEMENTS

4.1. *Tuition and Fees.* SRM AP students participating in this Program will be assessed standard, non-resident tuition and fees as set by UKY and currently in effect at the time of their enrollment at UKY. This includes certain additional course-specific fees for laboratory deposits, fieldwork costs, materials, and other items.

4.2. *Related Expenses.* Students participating in this Program will be responsible for all personal expenses related to their participation in the Program, including, but not limited to:

4.2.a. Transportation to and from UKY.

4.2.b. Passport and visa expenses.

4.2.c. Housing accommodation and meals.

4.2.d. Books, supplies, and other study materials.

4.2.e. Health and other insurance in line with current regulations at the time of their enrollment at UKY. Participating students must comply with all health regulations as established by UKY and in force at the time of their enrollment and participation in the Program.

4.2.f. All expenses related to dependents, family members, or other acquaintances, whether they are accompanying or visiting SRM AP students.

4.2.g. All other expenses and debts incurred by SRM AP students during their participation in the Program.

4.3. *Scholarship and Employment Eligibility.* UKY may offer scholarships to exceptional SRM AP students participating in this Program. Scholarships will be awarded based on academic merit and will be subject to availability of funds. In addition, SRM AP students participating in this Program may seek part-time employment on the UKY campus in compliance with all laws, rules, and policies governing student employment as well as all regulations associated with the participating student's visa status.

ARTICLE 5. RESPONSIBILITIES OF SRM AP

5.1. SRM AP will promote the Program among its students, screen potential applicants to ensure that the nominees meet minimum requirements for admission to UKY and submit a list of nominees for participation in the Program each year.

5.2. SRM AP will advise its students nominated for participation in the Program of all relevant policies, procedures, and costs associated with their participation in the Program using informational materials provided by UKY.

5.3. SRM AP will provide curriculum guides, course descriptions and syllabi, and other relevant information to UKY to facilitate evaluation of SRM AP courses eligible for acceptance as transfer credits at UKY.



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ARTICLE 6. RESPONSIBILITIES OF UKY

- 6.1. UKY will provide SRM AP with promotional materials, application instructions and guidance, course descriptions, and other information as necessary to support SRM AP promotion of the Program and recruitment of students for participation.
- 6.2. UKY will evaluate curriculum guides, course descriptions and syllabi, and other relevant material as provided by SRM AP to facilitate evaluation of SRM AP courses eligible for acceptance as transfer credits at UKY.
- 6.3. UKY will evaluate applications from students nominated by SRM AP for participation in the Program. Assuming nominees satisfy minimum requirements for admissibility, UKY will offer nominees admission either as full-time degree-seeking international transfer students or as full-time visiting international students.
- 6.4. UKY will provide SRM AP students accepted for participation in the program with all necessary documents to support their visa application as appropriate and within current immigration standards and practices. Participating students will be responsible for applying for and obtaining the appropriate visa required for participation in the Program.
- 6.5. UKY will assist SRM AP students participating in the Program to reserve on-campus housing accommodations. UKY will also assist students participating in the Program with integration into the campus and local community.

ARTICLE 7. EFFECTIVE TERM, RENEWAL, AND AMENDMENT

- 7.1. *Term.* This Agreement will take effect upon the date of last signature by the authorized representatives of each Party. The Agreement will remain in effect through June 30, 2028, unless terminated early by either Party.
- 7.2. *Early Termination.* Either Party may terminate this Agreement in advance of the agreed upon termination date by providing written notice to the other Party at least 90 days in advance of the intended early termination date. Unless otherwise negotiated and agreed upon, students, faculty, and/or staff of either Party who are engaged in collaborative activities or exchanges described by this Agreement at the intended time of early termination will be permitted to complete these activities or exchanges in accordance with the terms and conditions of this Agreement.
- 7.3. *Renewal.* This Agreement may be renewed by mutual agreement of the Parties, in writing and signed by the duly authorized representatives of both Parties prior to the agreed upon expiration date, in the form of an addendum to this Agreement. All such addenda shall be considered integral parts of this Agreement.
- 7.4. *Amendment.* The terms and conditions stipulated in this Agreement may be modified or appended by mutual agreement of the Parties, in writing and signed by the duly authorized representatives of both Parties prior to the agreed upon expiration date, in the form of an amendment to this Agreement. All such amendments shall be considered integral parts of this Agreement.



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ARTICLE 8. GENERAL PROVISIONS

8.1. *Use of Names.* Beyond promoting the Program among its faculty, staff, and students, neither Party shall use the name of the other in any other form of advertising or publicity without express written permission from the other Party. SRM AP shall not use any UKY logo, trademark, or other marks (“UKY Marks”) for any purpose without prior written consent of UKY and only in accordance with UKY’s brand standards found at <https://www.uky.edu/prmarketing/branding-resources/how-use-brand/brand-standards>. For instances of name or UKY Marks use that exceed the terms of this Agreement, each Party must seek permission from the other by submitting a draft of the proposed use at least 60 days in advance of the proposed use to the other Party’s representative, designated in “Notices” below.

8.2. *FERPA.* The Parties recognize that UKY is legally obligated to comply with the Family Educational Rights and Privacy Act of 1974, 20 U.S.C. § 1232(g) and 34 CFR Part 99, (FERPA) which affords certain rights to students concerning educational records and which governs the use and sharing of records, files, documents, and data directly related to students.

8.3. *Data Privacy and Security.* The Parties shall comply with their respective state, federal and international data privacy laws, rules, regulations, and standards. The parties shall ensure appropriate privacy and security safeguards are in place to prevent the unauthorized use, alteration, or disclosure of, or unauthorized access to personally identifiable information, intellectual property, student, academic, health, business, or research data exchanged pursuant to this Agreement.

8.4. *Academic Freedom.* Both Parties are committed to preserving and defending the principles and values of academic freedom for their faculty, staff, and students. If collaborative activities implemented under the auspices of this Agreement are deemed by either Party to infringe upon that Party’s standards of academic freedom, academic rigor, or academic integrity, that Party may withdraw from this Agreement without penalty after giving 60 days prior written notice to the other Party.

8.5. *Research Ethics and Respect of Pre-existing Intellectual Property Rights.* The Parties to this Agreement are committed to ensuring that faculty, staff, and students participating in collaborative activities under the auspices of this Agreement adhere to all relevant governing regulations and standards of ethics in the conduct of research, use of data, dissemination of results, and disclosures of conflicts of interest. Unless otherwise agreed to in writing by the Parties, each Party will retain ownership of its Intellectual Property that pre-exists the effective date of this Agreement or is developed outside the auspices of this Agreement. If collaborative activities implemented under the auspices of this agreement are deemed by either Party to compromise that Party’s standards of ethics in research or infringe on its pre-existing or independently developed Intellectual Property, that Party may withdraw from the Agreement without penalty after giving 60 days prior written notice to the other Party.

8.6. *Sovereign Immunity.* UKY is an agency and instrumentality of the Commonwealth of Kentucky and, accordingly, is entitled to sovereign status under Kentucky law and the Eleventh Amendment to the United States Constitution. UKY reserves all immunities, defenses, rights, or actions arising out of its sovereign status, and no waiver of any such immunities, defenses, rights, or actions shall be implied or otherwise deemed to exist under this Agreement. No term of this Agreement shall impose or require any performance restricted or prohibited under Kentucky law for agencies of the Commonwealth of Kentucky (and employees thereof in the performance of their jobs), including terms or conditions subjecting the Commonwealth of Kentucky and its agencies to foreign jurisdiction, venue, law, or to any indemnification obligation.



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8.7. *Accreditation.* UKY is accredited by the Southern Association of Colleges and Schools Commission on Colleges ("SACSCOC"). SRM AP is not accredited by SACSCOC and the accreditation of UKY does not extend to or include SRM AP or its students. Further, although UKY agrees to accept certain course work from SRM AP to be applied towards a degree awarded by UKY, that course work may or may not be accepted by other colleges or universities in transfer, even if it appears on a transcript from UKY. The decision to accept course work in transfer from any institution is made by the institution considering the acceptance of credits or course work.

8.8. *Counterparts.* The Parties may sign this Agreement in counterparts, all of which together shall constitute the complete Agreement. Duplicate or facsimile signatures shall be accepted as originals for all purposes.

8.9. *Notices.* To be enforceable, all notices and official communications related to this Agreement must be in writing and delivered to the Party's representative named below either by (a) confirmed electronic transmission; (b) certified mail, return receipt requested; or (c) commercial carrier with delivery receipt. Notices are effective upon receipt by the designated representative. All communications will be sent to the addresses set forth below or to such other address as designated by either Party via written notice to the other:

UKY: Tim Barnes, Executive Director
International Partnerships and Research
University of Kentucky International Center
Room 118 Bradley Hall
545 Rose Street
Lexington, KY 40506
USA
telephone: +1-859-323-7377
email: Tim.Barnes@uky.edu

with copy to: College of Engineering Liaison:
Yuming Zhang, Director of International Partnerships
College of Engineering
University of Kentucky
414P CRMS
Lexington, KY 40506
USA
telephone: +1-859-323-3262
email: yuming.zhang@uky.edu

College of Arts & Sciences Liaison:
Jesse Hedge
Assistant Dean for Undergraduate and International Affairs
Pathway Director/International Student and Program Coordinator
College of Arts & Sciences
University of Kentucky
249 Patterson Office Tower
Lexington, KY 40506
USA
telephone: +1-859-257-7296
email: asinternational@uky.edu



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Gatton College of Business & Economics Liaison:
Nancy Johnson, Associate Dean of International Programs
359D Gatton
University of Kentucky
Lexington, KY 40506
USA
telephone: +1-859-257-2976
email: nbj@uky.edu

SRM AP: Dr. Naga Swetha Pasupulei, Director
Office of International Relations and Higher Studies
SRM University Andhra Pradesh
IR Office, Neerukonda, Mangalagiri
Andhra Pradesh 522240
India
email: director.irhs@srmap.edu.in

8.10. *Force Majeure.* A Party is excused from performing its obligations under this Agreement when conditions beyond its control and unforeseen by the Parties make its performance commercially impractical, illegal, or impossible. If a force majeure event occurs pursuant to this paragraph, either party may cancel the Agreement upon written notice thereof to the other Party. Conditions of excuse include, but are not limited to: fires, earthquakes, hurricane, floods, or other natural disasters, epidemics or pandemics, strikes, work stoppages, or other labor disturbances, riots, or civil commotions, war, terrorism and threats of terrorism, government actions, and acts, omissions of third parties, or any other cause which is beyond the control of the Parties. So long as the conditions continue, the Party whose performance is affected shall keep the other Institution fully informed about the conditions and the prospects of their ending.

8.11. *Dispute Resolution:* The Parties shall attempt to resolve any dispute or differences that may arise during implementation or the interpretation of the provisions of this Agreement through mutual consultations and in good faith.

8.12. *Survival.* Upon expiration or termination of this Agreement, all rights and obligations will immediately terminate except that any terms or conditions that by their nature should survive such termination will survive including, without limitation, Data Privacy and Security.

8.13. *Integration.* This Agreement with its attachments, amendments, and incorporated references constitutes the Parties' entire agreement regarding the subject matter.

8.14. *Authorized Signatories.* The individuals signing this Agreement on a Party's behalf represent that they have the requisite authority and intent to bind that Party to this Agreement.



A handwritten signature in black ink, appearing to be "nm ty", is written to the right of the seal.

**FOR THE UNIVERSITY
OF KENTUCKY**

A - MS

Susan Roberts, Ph.D.
Associate Provost for Internationalization

Date: May 2nd, 2023

Recommended by:

Rudolph G. Buchheit

Rudolph Buchheit, Dean
College of Engineering

Date: 5/2/2023

Ana Franco-Watkins

Ana Franco-Watkins, Dean
College of Arts & Sciences

Date: 4/28/2023

Simon Sheather Digitally signed by Simon Sheather
Date: 2023.04.27 12:01:07 -04'00'

Simon Sheather, Dean
Gatton College of Business & Economics

Date: _____

**FOR SRM UNIVERSITY ANDHRA
PRADESH**

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Dr, R. Premkumar, Registrar
Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240



Date: 23/05/2023

Semester Abroad Program (SAP) - Spring 2024

“Make your January to June Semester International”.

The United States of America

*Last date to Apply (SRM AP Student Portal) – **September 23, 2023**

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accomo.)	Total Cost (Approx)
1	University of Wisconsin-Madison	65	2021	6	B.Tech.	Computer Science and Engineering	8	11,50,000	9,00,000	21,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	8			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8			
			2021	6	B.Tech.	Mechanical Engineering	8			
			2021	6	B.Tech.	Civil Engineering	8			
			2022	4	Bachelor of Business Administration (BBA)		8			
2	Illinois Institute of Technology- Chicago	443	2021	6	B.Tech.	Computer Science and Engineering	8.5	9,00,000	9,00,000	18,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	8.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8.5			
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Civil Engineering	8.5			
			2022	4	Bachelor of Business Administration (BBA)		8.5			

Semester Abroad Program (SAP) - Spring 2024

3	University of California - Berkely	27	2021	6	B.Tech.	Civil Engineering	9.5	16,00,000	8,00,000	24,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	9.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	9.5			
			2021	6	B.Tech.	Mechanical Engineering	9.5			
			2021	6	B.Tech.	Computer Science and Engineering	9.5			
			2022	4	Bachelor of Business Administration (BBA)		9.5			
4	University of California - Davis	102	2021	6	B.Tech.	Civil Engineering	8.5	10,00,000	8,00,000	18,00,000
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Computer Science and Engineering	8.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8.5			
5	Western Michigan University	1001-1200	2021	6	B.Tech.	Electrical Engineering	8.5	6,80,000	8,00,000	15,00,000
			2021	6	B.Tech.	Civil Engineering	8.5			
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Computer Engineering	8.5			
			2022	4	Bachelor of Science	Chemistry	8.5			
			2022	4	Bachelor of Science	Computer Science	8.5			
			2022	4	Bachelor of Arts	Economics	8.5			

Semester Abroad Program (SAP) - Spring 2024



6	University of Notre Dame International	243	2022	4	B.Tech.	Electrical Engineering	9	14,26,000	9,50,000	24,00,000
			2021	6	B.Tech.	Electrical Engineering	9			
			2022	4	B.Tech.	Civil Engineering	9			
			2021	6	B.Tech.	Civil Engineering	9			
			2022	4	B.Tech.	Computer Engineering	9			
			2021	6	B.Tech.	Computer Engineering	9			
			2022	4	B.Tech.	Mechanical Engineering	9			
			2021	6	B.Tech.	Mechanical Engineering	9			
			2022	4	Bachelor of Science	Computer Science	9			
			2022	4	Bachelor of Science	Mathematics	9			
			2022	4	Bachelor of Science	Physics	9			
			2022	4	Bachelor of Science	Chemistry	9			

*Student applying to SAP should have **NO** existing backlog.

***Please submit your application through SRMAP Student Portal by no later than Saturday, 23 September 2023. Kindly go through the attachment for further guidance.**

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.

WORKSHOP

How Interactions Between Climate and Land Use/ Land Cover Changes Can Affect Water Resources



Speaker

Prof. Alan Ernest Fryar

Professor, Department of Earth and Environmental Science,
University of Kentucky, Kentucky, USA



March 27, 2023 | 10:00 AM to 12:45 PM



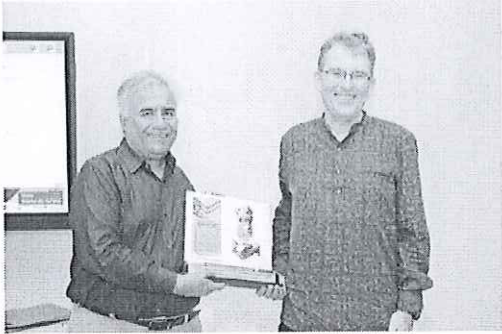



S209, New Academic Building

Organised by

Department of Environmental Science and Engineering

Office of the Quality Assurance and Rankings
Report for attending Seminar / Workshops/FDP/Conferences/ Technical & Non –
Technical Events

Name of the attendee:	Prof. Alan Ernest Fryar
Designation	Professor
Department	Department of Earth and Environmental Science, University Of Kentucky, USA
Employee ID:	
Title of the Event:	How interactions between climate and land use / land cover changes can affect water resources
Nature of the Event:	Workshop
Date: (From date – to date)	27/03/2023-28/03/2023
Duration:	10:00 AM to 12:45 PM
Host Organisation:	Department of Environmental Science and Engineering, SRM UNIVERSITY, AP
Location:	S209, New Academic Building, SRM University-AP
Subject Area:	Hydrology, Hydrogeology, Climate Change, Water resource management
Key takeaways from the attended event: (up to 100 words)	<p>Prof. Fryar has explained the groundwater status across India and regional approaches to explore it as a drinking water resources. He also explained the impact of climate change on groundwater as a fresh drinking water resource and adaptation strategies.</p> <p>On 27th March, Prof. Fryar delivered his talk on the topic following a Q/A session and interaction with the faculty and Ph.D. scholars.</p> <p>On 28th March, a field visit has been conducted near Krishna River bank in Amaravati, Guntur where Prof. Fryar interacted with the research scholars about the importance of field visit, scientific and systematic way of sample collection from the field. In addition, Prof. Fryar conducted a hands-on training on the field instrument (multi-parameter probe, Hanna) for real-time data collection from the river-water and groundwater sources in the field.</p>
Event Flyer/brochure:	Yes (Enclose Event flyer)
Amount spent:	Rs. 31,694 (excluding food bills which has been separately submitted by mess contractor)
Whether institute provided	Yes
	Approved budget is Rs. 35,000

<p>financial support: (Yes)</p>		
<p>Event Pictures (with Geo-tagging)</p>		
		

Prepared By: *Dr. Kamik An.*
Date: *01-04-2023.*

Signature: *[Handwritten Signature]*

[Handwritten Signature]



FRAMEWORK AGREEMENT

(Study Abroad Agreement)

between

UNIVERSITY OF THE WEST OF SCOTLAND

and

SRM UNIVERSITY- AP, ANDHRA PRADESH

Study Abroad Agreement

The Parties

UNIVERSITY OF THE WEST OF SCOTLAND, whose registered address is High Street, Paisley, PA1 2BE, Scotland, represented by its Vice-Principal Planning & Recruitment, Marcus Ross (the "UWS");

And

SRM UNIVERSITY AP, whose registered address is Neerukonda, Mangalagiri Mandal Guntur District, Mangalagiri, Andhra Pradesh 522240, India, represented by its Registrar, Dr R Premkumar (the "Partner")

Referred to individually as a "Party" and together as the "Parties".

1. Objective

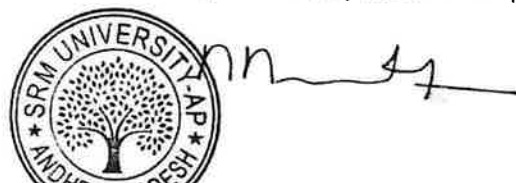
The purpose of this Agreement is to establish a framework whereby students from the Partner can participate in the Study Abroad Programme (defined below) at UWS. The overall goal of the Agreement is to promote and expand international understanding and to enhance educational opportunities for students at the SRMAP. This Agreement sets out the terms of the Study Abroad Programme.

2. Definitions

- a. **"Student"** means a student of the Partner accepted by UWS onto the Study Abroad Programme.
- b. **"Term"** - The academic year at UWS is divided into Terms. It is equivalent to "Semester". The normal load for a Term is 60 SCQF credits (UWS credits).
"Module" - Each degree programme is broken down into a number of modules, where each module is a single unit of study. Details can be found at: <https://psmd.uws.ac.uk/ModuleDescriptors/>
- c. **"Campus"** - UWS operates on 5 distinct Campuses. Four of these, the Scottish Campuses are located in Paisley, Ayr, Lanarkshire and Dumfries. The remaining Campus is in London.

3. The Study Abroad Programme

- a. The Partner may nominate an unlimited number of applicants to the Study Abroad Programme.
- b. Students shall complete a period of study of a minimum of one (1) Term and a maximum of one (1) Academic Year.
- c. Students will enrol at UWS and will enjoy all the privileges accorded to students at UWS.
- d. Students must have their module selections approved by the appropriate academic authority at the Partner in order to obtain transfer of credit toward their degrees. Students will receive credit only for any modules successfully completed at UWS and will not be eligible for a UWS award.
- e. Students will be permitted to enrol on modules for which they are qualified as long as places are available. UWS shall not be obligated to provide any module as part



Study Abroad Agreement

The Parties

UNIVERSITY OF THE WEST OF SCOTLAND, whose registered address is High Street, Paisley, PA1 2BE, Scotland, represented by its Vice-Principal Planning & Recruitment, Marcus Ross (the "UWS");

And

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- e. Students will be permitted to enrol on modules for which they are qualified as long as places are available. UWS shall not be obligated to provide any module as part



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- of the Study Abroad Programme and does not guarantee the availability of any particular module.
- f. Only modules delivered at the Scottish Campuses are available. Normally, a Student will take all of their modules at the same Campus.
 - g. Students will be subject to the UWS Regulatory Framework including codes of conduct, rules and procedures specified by UWS for the period in which they are enrolled at UWS.
 - h. Students will also be expected to follow the immigration regulations of the United Kingdom, which they will be informed of in the initial admission materials that are sent to them prior to getting their visas. Violation of the immigration regulations of the UK will result in the termination of their immigration record and they will be asked to leave the country immediately. Any consequent expense incurred by the Student shall be borne by the Student.
 - i. It is the responsibility of the Student to ensure the appropriate visa is approved and granted to study at UWS.
 - j. UWS will provide an induction session and/or materials to inform Students of the applicable policies covering matters of academic responsibility and discipline prior to them participating in the Study Abroad Programme.

4. Application, Registration and Academic Requirements

- a. Selection of the candidates will be made by the Partner for consideration by UWS. Students are then required to complete the online UWS application. Students must be currently registered at the Partner at the time of application.
- b. UWS has the right to decline the application of a Student if it determines they do not meet the academic requirements.
- c. Academic Evaluation: Students will be assessed on their modules in the same manner as other Students at UWS in line with the UWS Regulatory Framework.

5. Financial Arrangements

Students participating in the Study Abroad Programme do so as fee-paying international Students. The tuition fees are published at <https://www.uws.ac.uk/international/study-abroad/>. All other costs, including travel, accommodation, health insurance and living expenses, are also the responsibility of the Student. UWS shall use reasonable endeavours to assist Students to find suitable housing, the cost of which shall be borne by the Student. Please note UWS accommodation is available at Paisley and Ayr Campuses. Private accommodation is required for study at other Campuses

The Student is responsible for paying the tuition fee to UWS.

6. Ongoing Support

UWS undertakes to provide appropriate support services to Students, including during any emergency circumstances that may arise during the period.

7. Student Academic Records

Subject to the Partner entering into a Data Sharing Agreement with UWS, UWS will provide the Partner with transcripts regarding the Students' academic performance. This will be provided as soon as possible but in any event within two months of completing the study-abroad period. UWS recognises that, in some cases, Students may require their



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transcripts expeditiously so as not to jeopardize their financial aid for the ensuing Semester. In such cases, UWS will assist the Students accordingly.

8. Marketing

The Partner must ensure that any marketing materials promoting this study abroad arrangement or the relationship between the Parties are approved by UWS in advance. UWS may require the Partner to remove any promotional materials which, in its reasonable opinion, misrepresent this arrangement or the relationship between the Parties.

9. Termination

This Agreement may be terminated by mutual consent of the Parties in writing, or by either Party providing at least 180 days' written notice to the other Party. Termination of the agreement will not affect Students who are part way through their Study Abroad Programme.

10. Insurance

The Parties acknowledge that they do not provide Students with any insurance e.g. medical, hospital, travel or personal property insurance. It is required that Students purchase their own health insurance. Both Parties shall for the duration of this Agreement maintain appropriate public liability insurance.

11. Entire Agreement

This Agreement supersedes all prior arrangements and undertakings between the Parties relating to the subject matter hereof and is intended by the Parties as the complete and exclusive statement of the terms of their contract in this regard.

12. Duration and Amendment of Agreement

This Agreement shall be in force and be binding upon the Parties hereto for a period of five (5) years from the date of this Agreement. This Agreement may be amended prior to the expiration of the foregoing period only by mutual consent.

During its final year, both Parties shall review the operation of the Study Abroad Agreement. Renewal is by mutual consent.

13. Force Majeure

Neither party shall be held responsible for non-fulfillment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Epidemics, etc. providing on the occurrence and cessation of any such event the party affected thereby shall give notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

14. Governing Jurisdiction

This Agreement shall be governed and construed in accordance with the Laws of England and Wales and the Parties agree to the jurisdiction of the England and Wales Courts.



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15. Dispute Resolution

In the event of a dispute of any nature in connection with this Agreement, such dispute or claim shall, in the first instance, be notified to the operational managers of each party who will meet and use their reasonable endeavours to negotiate in good faith and resolve the dispute. The operational managers for each party are:

SRM AP operational manager: Head of International Relations and Higher Studies
UWS operational manager: Head of International Student Recruitment

In the event that the dispute has not been resolved by the operational managers within 28 days of notification of the dispute then the dispute must be referred to a member of the senior executive of each party who will meet and use reasonable endeavours to negotiate in good faith to resolve the dispute.

The senior executive members for each party are:

SRM AP senior executive member: Registrar
UWS senior executive member: Vice Principal Planning & Recruitment

Both parties will use their reasonable endeavours and negotiate in good faith to resolve the dispute. The parties agree that no legal action or proceedings may be raised by either party in connection with a dispute until one month after the members of the senior executive of the parties have been notified of the dispute in terms of this clause 15.

On behalf of the University of the
West of Scotland

On behalf of SRM University AP

Marcus Ross



Dr. R. Premkumar

Signed
Marcus Ross
Vice-Principal Planning &
Recruitment

Signed
Dr, R, Premkumar
Registrar

Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

Date: 23/05/23

Date: 16-10-2023

Semester Abroad Program (SAP) - Spring 2024

"Make your January to June Semester International".

The United Kingdom

*Last date to Apply (SRM AP Student Portal) – September 23, 2023

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	Tuition Fee (INR)	~Other Cost (Travel+Accommo.)	Total Cost (Approx)
1	University of Dundee	354	2022	4	B.Tech	Civil Engineering	7.5	8,80,000	6,00,000	15,00,000
			2021	6	B.Tech	Civil Engineering	7.5			
			2022	4	B.Tech	Mechanical Engineering	7.5			
			2021	6	B.Tech	Mechanical Engineering	7.5			
			2022	4	Bachelor of Sciences	Physics	7.5			
			2022	4	Bachelor of Sciences	Mathematics	7.5			
			2022	4	Bachelor of Business Administration		7.5			
2	University of Roehampton		2022	4	Bachelor of Science	Computer Science	7.5	6,50,000	5,00,000	12,00,000
	London		2022	4	B.Tech	Computer Science & Engineering	7.5			
			2021	6	B.Tech	Computer Science & Engineering	7.5			
			2022	4	Bachelor of Arts	English	7.5			
			2022	4	Bachelor of Arts	Psychology	7.5			
			2022	4	Bachelor of Business Administration		7.5			



Semester Abroad Program (SAP) - Spring 2024



3	University of The West of Scotland	2021	6	B.Tech	Computer Science and Engineering	8	7,25,000	4,50,000	12,00,000
		2021	6	B.Tech	Electronics and Communication Engineering	8			
		2021	6	B.Tech	Electrical and Electronics Engineering	8			
		2021	6	B.Tech	Mechanical Engineering	8			
4	Staffordshire University	2022	4	Bachelor of Business Administration		8.5	8,62,000	5,80,000	15,00,000
5	University of Portsmouth England	2021	6	B.Tech	Mechanical Engineering	9	7,00,000	2,80,000	10,00,000
		2022	4	Bachelor of Arts	English Language and Literature	9			
		2022	4	Bachelor of Business Administration		9			

*Student applying to SAP should have **NO** existing backlog.

*Please submit your application through **SRMAP Student Portal** by no later than **Saturday, 23 September 2023**. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.

Dear Students,

University of The West of Scotland, UK: Semester Abroad Program (SAP) Spring 2023 (January - May 2023)

We are delighted to invite students to apply for a semester abroad program at **University of The West of Scotland, UK** for Spring 2023 semester (January - May 2023).

University of The West of Scotland, UK		
Costs	US \$	Rs Lacs
Tuitions Fee (including International Student Services and for official university transcripts fee)	9,058	7.25
Living Expenses (including accommodation, food, health insurance books)	2900	2.32
Travel	2,500	2.00
Others	300	0.24
Net amount	14,758	11.81

The net cost would be close Rs 11 - 13 lacs which broadly includes the host university tuition fee, health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this email carefully and only apply if you fit the criteria and interested.

Eligibility Criteria (All mandatory):

1. **B.Tech.** - Students from branches (Computer Science & Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering) who are currently in their 3rd year.
B.Sc. - Students from branches (Physics, Chemistry, Mathematics, Biology) in their 2nd year.
B.A. - Students from branches (English, Psychology) in their 2nd year.
B.Com. – Students studying in the 2nd year.

2. **CGPA > 8**

3. No standing backlogs in the courses

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

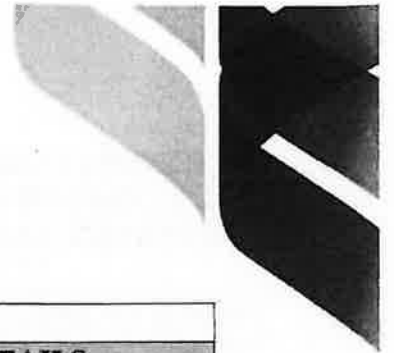
Please submit your application through SRMAP Student Portal by no later than Monday, 5 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmap.edu.in

For any technical support, please write to itkm.helpdesk@srmap.edu.in

The shortlisted candidates will be called for interviews in due course.





MEMORANDUM OF UNDERSTANDING

SCHEDULE	
Part A. PARTIES TO THE MEMORANDUM AND CONTACT DETAILS	
Parties	
The University	Southern Cross University , a body corporate incorporated under the <i>Southern Cross University Act 1993</i>
ABN	41 995 651 524
Address	Military Road, EAST LISMORE, 2480, NSW, AUSTRALIA
Authorised Officer	Deputy Vice Chancellor (Research and Academic Capability)
Telephone	+ 61 2 6620 3458
Email	Grants.contracts@scu.edu.au
Organisation	SRM University AP , a university established under the Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016 through SRM Trust
ABN	Not Applicable
Address	Neerukonda, Mangalagiri Mandal, Guntur District, Mangalagiri, Andhra Pradesh 522240 INDIA
Authorised Officer	Dr. R. Premkumar, Registrar
Telephone	+91-863-2343000
Email	registrar@srmap.edu.in
Part B. DETAILS	
Item 1: Commencement Date	1 May 2023
Item 2: Termination Date	30 April 2027
Item 3: Purpose	The intention of this MOU is to promote greater collaboration between SCU and SRM University AP on research focusing on groundwater resources and discharge in both Australia and India. This can include but is not restricted to joint postgraduate student supervision, collaborative field work, joint research publications, hosting of colleagues where suitable and seeking funding as co-investigators.



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THE TERMS AND CONDITIONS OF THIS MEMORANDUM OF UNDERSTANDING ARE ACCEPTED AND AGREED TO BY THE PARTIES UPON SIGNATURE OF THE UNIVERSITY AND THE ORGANISATION'S AUTHORISED REPRESENTATIVE.

Signed for and on behalf of Southern Cross University by its duly Authorised Representative:	Signed for and on behalf of SRM University - AP by its duly Authorised Representative:
	
Signature Professor Mary Spongberg Position: Deputy Vice Chancellor (Research and Academic Capability)	Signature Dr. R. Premkumar Position: Registrar
Date: 3/05/2023	Date: 21.04.2023



Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

RECITALS

This Memorandum of Understanding (“**Memorandum**”) establishes the foundation for a co-operative and productive relationship between the Parties.

1. Objectives

The Purpose of this Memorandum is to promote cooperation in the teaching learning and research activities of the Parties and any other specific purposes set out in item 3 of the Schedule.

2. Principles

The following principles underpin what the parties seek to achieve in entering into this Memorandum:

- (a) strengthened lines of communication, including improving mechanisms to facilitate exchanges of ideas and information of mutual interest to the parties; and
- (b) identifying and promoting potential opportunities for collaborative effort between the parties (including with the involvement of third parties).

3. Specific Activities

If the parties (either alone or with other persons) ultimately agree to undertake a particular project or initiative, then the terms and conditions of that project or initiative shall be the subject of a formal agreement or other instrument between the parties (and, if applicable, including any third parties) as negotiated by the parties.

4. Implementation

4.1 Steering Committee

- (a) Soon after signing this Memorandum, the parties may establish a steering committee which will operate according to terms of reference to be agreed between the parties, applying the following principles:
 - (i) each party will be entitled to appoint an equal number of representatives.
 - (ii) the steering group will elect a chair for a specified term, which shall rotate between the parties.
 - (iii) the parties are to appoint representatives who are key stakeholders and will be in a position to contribute to and implement any strategic directions agreed between the parties; and
 - (iv) the steering committee may establish sub-groups and working parties to identify, develop or plan any specific projects or initiatives.
- (b) The parties will develop more detailed meeting procedures between the parties when the steering group is implemented.



[Handwritten signature]

4.2 Status of this document

This Memorandum does not create any legally binding relationship between the parties or confer any legal rights or impose any legal obligations on either of them.

4.3 Non-disclosure agreements

If, in order to explore the feasibility of any particular project or other initiative, the parties need to exchange or share any information that is confidential, then the parties will enter into appropriate non-disclosure agreements to protect the confidentiality and integrity of that information.

5. Term of this Memorandum

5.1 Commencement and Term

This Memorandum shall commence on the commencement date specified in item 1 of the Schedule and shall continue until the termination date specified in item 2 of the Schedule unless terminated early in accordance with clause 0.

5.2 Early termination

Either party can decide, at any time before the end of that period, to end this Memorandum by notifying the other party with 30 days written notice in advance.

6. Media and Publicity

Any public or announcements or statements (including to the media) about any of the matters dealt with in this Memorandum will first be agreed between the parties before their release or publication.

7. Amendments

Amendments or changes to this Memorandum shall be made in writing and signed by the duly authorised representatives of the Parties.

8. Counterparts

This Memorandum may be signed in counterparts. All counterparts when taken together constitute one instrument.

9. Delivery and time of receipt (Exchange of Agreement)

A party may deliver an executed copy of the Memorandum to the other party by scanned copy to the email address of the other party's representative. The time of receipt of the scanned copy of this Memorandum is the time when the scanned copy becomes capable of being retrieved by the other party's representative.



[Handwritten signature]

10. Notices

All notices must be in writing and delivered in person, by registered mail, by facsimile or by electronic mail. Notices are to be given to the other Party's Authorised Officer at their contact details specified in the Details or such other address as the other Party may specify in writing from time to time.

11. Versions

In the event that there are two version of this Memorandum of Understanding, one in English and one in the language of the country of the Organisation:


- (a) the Organisation confirms that the English version is a true and correct translation of the version in the language of the country of the Organisation; and
- (b) the Parties agree that if there is a discrepancy between the meanings in the English version and the other version, the English version will prevail.

12. Interpretations

Parties means the University and the Organisation whose details are specified in Part A of the Schedule.

Schedule means the document at the front of this Memorandum containing the Parties' details (Part A) and the Memorandum Details (Part B).




Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240



Kousik Das <kousik.envs@gmail.com>

Ganges survey

2 messages

Douglas Tait <Douglas.Tait@scu.edu.au>
To: Kousik Das <kousik.envs@gmail.com>

Mon, Apr 3, 2023 at 3:03 PM

Heya Kousik

A first draft. Of course, everything is only an initial discussion. Let me know what you think.

Cheers

Doug

Dr Douglas Tait

ARC DECRA Fellow

Faculty of Science and Engineering
Southern Cross University

PO Box 157, Lismore, NSW 2480

Ph. 61 2 6620 3493 | Mobile: 0401 503 280 | Email: <mailto:douglas.tait@scu.edu.au>Web page: https://researchportal.scu.edu.au/esploro/profile/douglas_tait/Publications: https://www.researchgate.net/profile/Douglas_TaitLatest video: https://www.youtube.com/watch?v=1uU7_Pe9Ny8

 **Ganges pollutants and pathways.docx**
25K

Kousik Das <kousik.envs@gmail.com>
To: Douglas Tait <Douglas.Tait@scu.edu.au>

Mon, Apr 3, 2023 at 3:09 PM

Hi Doug,

It looks good to me.

I will check with Prof Mukherjee too. Meanwhile, I will prepare a rough estimate of the cost.

Regards,
Kousik

[Quoted text hidden]



Kousik Das <kousik.envs@gmail.com>

Grant

5 messages

Douglas Tait <Douglas.Tait@scu.edu.au>
To: Kousik Das <kousik.envs@gmail.com>

Wed, Apr 26, 2023 at 11:15 AM

Hi Kousik

I am keen to apply for an Australia India Research Collaboration Grants (Unnati Research Collaboration Grants) (<https://arch-india.org/>). It is a smaller grant (\$30,000), but will allow us to do some good research. I will propose the Ganges work as a project. Are you able to be on-board as a co-investigator?

Cheers

Doug

Dr Douglas Tait

ARC DECRA Fellow

Faculty of Science and Engineering
Southern Cross University

PO Box 157, Lismore, NSW 2480

Ph. 61 2 6620 3493 | Mobile: 0401 503 280 | Email: <mailto:douglas.tait@scu.edu.au>Web page: https://researchportal.scu.edu.au/esploro/profile/douglas_tait/Publications: https://www.researchgate.net/profile/Douglas_TaitLatest video: https://www.youtube.com/watch?v=1uU7_Pe9Ny8**Southern Cross
University**

Kousik Das <kousik.envs@gmail.com>
To: Douglas Tait <Douglas.Tait@scu.edu.au>

Wed, Apr 26, 2023 at 11:26 AM

Hi Doug,

This would be a great opportunity and I am super excited to be a part of it.

Let's do this.

Regards,
Kousik

[Quoted text hidden]

Douglas Tait <Douglas.Tait@scu.edu.au>
To: Kousik Das <kousik.envs@gmail.com>

Wed, Apr 26, 2023 at 11:36 AM

Great! Could you send a 200 word bio including your research impact and the impact your work has made. And a copy of your CV. *"Resumes should be no longer than 3 pages each and should include the following details: education and employment history, relevant research experience, honours and awards, professional affiliations, and a list of no more than five relevant publications pertaining to the project."*

Cheers

Doug

From: Kousik Das <kousik.envs@gmail.com>
Sent: Wednesday, 26 April 2023 3:57 PM
To: Douglas Tait <Douglas.Tait@scu.edu.au>
Subject: Re: Grant


Hi Doug,

This would be a great opportunity and I am super excited to be a part of it.

Let's do this.

Regards,

Kousik

 [https://my-email-signature.link/signature.gif?
u=110587&e=353280139&v=87df0fda671d9166f2286135780f11bde8b2204460c4cc39027f7c14d3ead547](https://my-email-signature.link/signature.gif?u=110587&e=353280139&v=87df0fda671d9166f2286135780f11bde8b2204460c4cc39027f7c14d3ead547)

[Quoted text hidden]

Kousik Das <kousik.envs@gmail.com>
To: Douglas Tait <Douglas.Tait@scu.edu.au>

Wed, Apr 26, 2023 at 1:22 PM

Sure, I will share. When do you need this? by the end of the week is fine?

On Wed, Apr 26, 2023 at 11:36 AM Douglas Tait <Douglas.Tait@scu.edu.au> wrote:

Great! Could you send a 200 word bio including your research impact and the impact your work has made. And a copy of your CV. *"Resumes should be no longer than 3 pages each and should include the following details: education and employment history, relevant research experience, honours and awards, professional affiliations, and a list of no more than five relevant publications pertaining to the project."*

Cheers

Doug

From: Kousik Das <kousik.envs@gmail.com>
Sent: Wednesday, 26 April 2023 3:57 PM

10/6/23, 12:22 PM

Gmail - Grant

To: Douglas Tait <Douglas.Tait@scu.edu.au>
Subject: Re: Grant

Hi Doug,

This would be a great opportunity and I am super excited to be a part of it.

Let's do this.

Regards,

Kousik

On Wed, Apr 26, 2023 at 11:15 AM Douglas Tait <Douglas.Tait@scu.edu.au> wrote:

[Quoted text hidden]

Douglas Tait <Douglas.Tait@scu.edu.au>
To: Kousik Das <kousik.envs@gmail.com>

Wed, Apr 26, 2023 at 1:56 PM

Yes, that fine. I submit it for internal review on Monday.

Get Outlook for Android

From: Kousik Das <kousik.envs@gmail.com>
Sent: Wednesday, April 26, 2023 9:52:05 AM

[Quoted text hidden]

[Quoted text hidden]



COOPERATION AGREEMENT

The Agreement enters into force on March 30, 2023

BETWEEN

“M. NALBANDYAN STATE UNIVERSITY OF SHIRAK” FOUNDATION (SUSh)
(4 Paruyr Sevak st., Gyumri, Republic of Armenia) represented by Rector Yervand S. Serobyanyan.

AND

SRM UNIVERSITY AP (Mangalagiri Neerukonda Tadikonda Rd, Mangalagiri, Mandal, Andhra Pradesh 522502, India) represented by Registrar Dr. R. Premkumar.

The “Parties”, have entered into the Cooperation Agreement on the following:

1. SUBJECT OF AGREEMENT

1.1. The purpose of this Agreement is cooperation in the field of education and friendship through the support and implementation of educational, scientific, professional and cultural activities among faculties and students of both Parties.

Areas of cooperation will include any programs that would be mutually beneficial and interesting to both Parties, as well as contribute to the development of cooperation between the Parties.

2. AREAS OF COOPERATION

The main areas of cooperation between the two Parties will include specialties and also interdisciplinary areas.

2.1. Exchange of academic staff.

Teaching staff from both Parties may apply to participate in conducted events (conferences, seminars) as guests of the host faculty or research group to undertake assigned duties.

2.2. Student exchange.

Each Party shall appoint a person in charge for the exchange program.

The duration of studies is 1 or 2 semesters.

Exchange students may apply for any academic program offered by the host Party at the level set by the host Party.

The host Party reserves the right not to accept students for restricted courses.

Exchange students must meet the requirements for knowledge of the language in which they will be studying and all other requirements of the host Party.



Each Party agrees to provide the home university with an official academic report for all exchange students at the end of their stay. The host Party also agrees to provide exchange students with an official transcript of records.

The host Party agrees to provide exchange students with an appropriate consultation and other assistance, including assistance in finding suitable accommodation on and off campus.

Students nominated for an exchange program pay tuition fees in their home university; they are exempted from payment to the host university.

Exchange students are responsible for covering living expenses themselves. The Parties agree to provide assistance in finding accommodation (students' dormitory, houses/ apartments for rent).

Exchange students must have medical insurance for the entire period of studies at the host university.

Exchange students/ invited teaching staff are responsible for their travel expenses.

Those expenses include, but are not limited to: airfare, meals, travel expenses, books and school supplies, clothing, etc. The host university provides detailed instructions on how to get from the airport to the University campus.

2.3. Joint scientific-research activities.

Each teaching staff member and student (Bachelor, Master or Doctoral Degree) of both Universities can take part in scientific-research activities of the host University, as well as take part as a co-supervisor of PhD students.

2.4. Participation in seminars, conferences, academic meetings, summer and winter schools.

Each Party may inform the other Party about the seminars, conferences, academic meetings, summer and winter schools in advance held within its walls in order to invite academic teachers to participate in such events.

2.5. Exchange of academic materials and other information, provision of consulting services.

Each Party can provide the host university with academic materials for information in any form (paper or electronic) by exchanging or sharing its library resources, providing consulting services to the host university.

2.6. Special academic programs (possible visits of the heads of universities to the host university etc.).

2.7. Organization and provision of scientific internships, short-term training programs conducted by both Parties.

Topics, deadlines and costs of scientific internships, short-term training programs will be determined on the basis of the additional annexes to the Agreement.

Necessary budget for each specific program shall be mutually discussed and agreed upon in writing by both Parties prior to the initiation of the program on an annual basis.

This Agreement shall remain in force for a period of 3 years from the date of the signature, with the understanding that it may be renewed by mutual consent of the two Parties.



Either Party may terminate this Agreement at any time without any reason by giving 90 days prior written notice to the other Party. In the event of such termination, each Party shall perform its part of the obligation arising during the term of the Agreement or prior to its termination.

3. OTHER TERMS OF THE AGREEMENT

3.1 Each Party shall appoint a person in charge who shall coordinate the implementation of this Agreement.

3.2. Alterations and additions to this Agreement must be executed in written form and signed by authorized representatives of the Parties.

3.3. Each party shall cooperate within the framework of this Agreement in accordance with the current legislation of the corresponding country.

3.4. This Agreement does not create any financial obligation for the Parties.

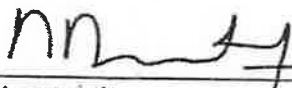
3.5. This Agreement is made in two copies, having equal legal force, one for each of the Parties.

3.6. Force Majeure: Neither party shall be held responsible for non-fulfillment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Epidemics, etc. Upon the occurrence and cessation of any such event, the affected Party thereby shall notify in writing to the other Party within one month. If the force majeure conditions continue beyond six months, the Parties shall jointly decide about the future course of action.

4. LEGAL ADDRESSES OF THE PARTIES

SRM University AP Address: Mangalagiri Neerukonda Tadikonda Rd, Mangalagiri, Mandal, Andhra Pradesh 522502, India E-mail: assocdirector.ir@srmmap.edu.in	“M. Nalbandyan State University of Shirak” Foundation Address: 3126, Republic of Armenia, Gyumri, 4 Paruyr Sevak street Tel.: +374-312-6-94-94, +374-93-853-706 E-mail: secretariat@shsu.am shsuinternational@shsu.am
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Registrar of SRM University AP



(signature)

Dr. R. Premkumar Registrar

SRM UNIVERSITY-AP

Andhra Pradesh-522 240

Rector of “M. Nalbandyan State University of Shirak” Foundation



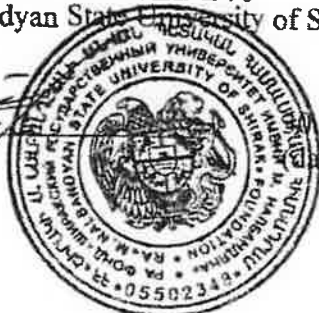
(signature)

Y.S. Serobyan



30.03.2023

(date)



03.2023

(date)

Semester Abroad Program (SAP) - Spring 2024



“Make your January to June Semester International”.

Armenia

*Last date to Apply (SRM AP Student Portal) – **September 23, 2023**

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accomo.)	Total Cost (Approx)
1	Shirak State University		2022	4	Bachelor of Arts	English Language and Literature	8	1,00,000	2,50,000	2,50,000

*Student applying to SAP should have **NO** existing backlog.

***Please submit your application through SRMAP Student Portal by no later than Saturday, 23 September 2023. Kindly go through the attachment for further guidance.**

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.

**AGREEMENT FOR AMERICAN SEMESTER ABROAD PROGRAM BETWEEN
UNIVERSITY OF NOTRE DAME DU LAC, NOTRE DAME, INDIANA, USA AND
SRM UNIVERSITY -AP, ANDHRA PRADESH, INDIA**

The University of Notre Dame du Lac, Notre Dame, Indiana, USA, ("Notre Dame") was founded in November 1842 by Rev. Edward F. Sorin, C.S.C. It is located adjacent to South Bend, Indiana.

AND

SRM University - AP, Andhra Pradesh, India, ("SRM AP") hereby agree to promote academic cooperation between the two institutions by offering SRM AP students an opportunity to participate in certain educational experiences offered by Notre Dame.

PURPOSE

The purpose of this Agreement is to define the scope and terms of cooperation between Notre Dame and SRM AP. This Agreement provides study abroad opportunities at Notre Dame for full-time undergraduate students from SRM AP. Notre Dame and SRM AP agree to enter into this Agreement under the following terms:

1. Scope of Agreement

Subject to mutual consent, the Agreement is carried out by having Notre Dame host an agreed number of students from SRM AP to participate in the American Semester Abroad Program ("ASAP" or "Program"). The participating colleges, schools and/or departments at Notre Dame for student hosting includes:

- College of Arts and Letters
- College of Engineering
- College of Science
- Keough School of Global Affairs

As indicated in the "Course Registration" section below, SRM AP students may be subject to course enrollment limitations in particular colleges and for particular courses. The administrators of ASAP will work together with SRM AP program administrators and students to optimize course enrollment for each participating student. The exact number of participating students will be agreed upon by the parties each year.

2. Duration of Stay

The duration of stay for SRM AP students at Notre Dame shall be limited to two semesters. It is anticipated that the first student participant will be hosted at Notre Dame pursuant to this Agreement during the 2022-2023 academic year.

3. Status of Students

Notre Dame shall admit SRM AP students who are accepted to participate in the Program as non-degree full-time undergraduate students; i.e., students who do not aim at obtaining a degree or other formal qualification from Notre Dame. The students are required to register for at least 12 credit hours and no more than 18 credit hours per semester at Notre Dame during their stay and will receive the same privileges as other non-degree full-time

undergraduate students at Notre Dame. Participating students will continue to be enrolled students at SRM AP throughout the Program. It is understood that participating students shall remain degree candidates solely at SRM AP and admission to the Program is not admission to a



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degree program at Notre Dame.

4. Acceptance Procedures

The students participating in ASAP under the terms of this Agreement shall be selected initially by SRM AP and Notre Dame shall make the final admission decision in each case. The following selection criteria will generally apply but may be varied in some cases:

4.1 Students fully enrolled as undergraduate students at SRM AP

4.2 Students will have completed at least one year of university work prior to participation in ASAP

Students must submit an application to Notre Dame with a proposed course of study, an up-to-date academic transcript, and other documentation required by Notre Dame by Notre Dame's application deadline for admission. Participating students must meet Notre Dame's requirements for admission including a minimum GPA (at least 3.0 on a 4.0 scale) and fulfilling the English language proficiency requirement, which is 7.0 on IELTS; 100 on Internet-based TOEFL; or 115 on the Duolingo English Test. At Notre Dame's discretion, other methods of determining English language proficiency may be utilized and taken into consideration to evaluate whether a particular student fulfills this requirement.

5. Course registration

Each participating student shall determine the course registration at Notre Dame in consultation with academic advisors of both Notre Dame and SRM AP. Depending on the courses, prerequisites may be imposed in accordance with the policies of Notre Dame. Notre Dame will seek to facilitate the enrollment of the participating student in his or her preferred courses or program of study. However, Notre Dame may be limited by issues of course capacity and availability. It is, therefore, understood that the degree-matriculated students at Notre Dame will be given enrollment priority.

Students will normally be permitted to enroll in courses of related programs unless those courses are subject to limited enrollment.

6. Academic Record and Accreditation

Notre Dame shall evaluate the academic performance of each participating student according to its policies following completion of their participation in ASAP. Transcripts will be made available to the students within one month, or as soon as reasonably possible thereafter, from the end date of each semester in which they participate in ASAP and upon submission of a participating student's online request for a transcript. SRM AP may give credit to each student according to its policies.

7. Program Fees and Expenses

The participating students will be personally responsible for paying Notre Dame the program fee. The program fee will be the standard ASAP tuition and fee amounts charged by Notre Dame according to the number of credit hours taken by each student. Participating students will also be personally responsible for additional charges for the following expenses as well as for any incidental expenses they may incur while participating in the Program:



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- Room and board in on-campus residential halls or housing off campus
- Health insurance

8. Accommodations

Notre Dame will make reasonable efforts to assist students in finding accommodations on or near its campus. However, housing arrangements and fees for housing will be the responsibility of the student. Information regarding housing resources will be provided by Notre Dame upon the student's acceptance into the Program.

9. Health Insurance

Each participating student must maintain a comprehensive health insurance policy for the duration of his or her stay at Notre Dame. Participating students are required to purchase health insurance coverage during travel and for the period of their stay at Notre Dame from Notre Dame unless they show proof that they have equivalent or superior health insurance coverage to that provided by Notre Dame through a U.S. insurance company. Each student must show proof of such insurance to Notre Dame. Notre Dame will direct students requiring medical assistance to its student health facility and, if necessary, other appropriate facilities. The student will be responsible for any medical expenses not covered by the student's health insurance plan.

10. Visas

Notre Dame will provide a list of the documentation needed to apply for a student visa to SRM AP. It is the responsibility of the student to provide Notre Dame any required information and/or documentation needed to prepare documents that the student will need to apply for a student visa in a timely manner. Should the student arrive at Notre Dame without the appropriate student visa in place, the student will not be permitted to participate in the Program.

Government Requirements:

11. While enrolled in ASAP, participating students will be required to observe the policies and procedures of Notre Dame, as well as the academic and student codes of conduct of SRM AP and Notre Dame. Notre Dame has authority to withdraw, suspend or terminate a student for academic deficiencies, behavioral violations or other sufficient reason subject to certain procedures afforded to the student. Notre Dame and SRM AP liaisons will consult with each other before any student is withdrawn, suspended or terminated from participation in the Program, except where consultation is not reasonably possible under the circumstances.
12. SRM AP agrees to adhere to all applicable laws, statutes, regulations, ordinances and codes in performing its obligations arising out of this Agreement, including without limitation the U.S. Foreign Corrupt Practices Act (15 U.S.C. §§ 78dd-1 et seq.), which makes it unlawful for certain classes of persons and entities to make payments to foreign government officials to assist in obtaining or retaining business.



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13. This Agreement supersedes all other agreements relating to the subject matter of this Agreement existing between Notre Dame and SRM AP.
14. Nothing in this Agreement is intended or should be construed as creating the relationship of copartners, joint ventures, or an association among the parties, nor shall either party, its employees, agents, students or representatives be considered employees, agents or representatives of the other party.
15. It is specifically agreed that neither party shall be responsible for costs or expenditures incurred by the other in the conduct of the Program contemplated hereby, except as expressly provided in this Agreement.
16. This Agreement shall be governed by and construed under the laws of the United States of America, State of Indiana, which shall be the forum for any lawsuits arising from any incident related to this Agreement.
17. Neither party will be liable for any failure to perform as required by this Agreement, if the failure to perform is caused by circumstances reasonably beyond either party's control including, but not limited to, labor disturbances or labor disputes of any kind, accidents, civil disorders or commotions, acts of God, failure of utilities, disease, or other such occurrences.
18. **Commencement and Duration of the Agreement**

This Agreement shall be in effect from the date of final signature below for a period of five (5) years or until terminated by either party with appropriate written notice to the other party. Either party may terminate the Agreement by giving six (6) months written notice of such intent to the other party. This Agreement may be modified upon the mutual written consent of both parties. If either party breaches any of the material terms and conditions of this Agreement, the other party has the right to terminate this Agreement immediately upon written notice to the other if the breach has not been cured within ten (10) days of its occurrence.

In the event that either party terminates the Agreement, Notre Dame shall honor the terms of the Agreement for students whose participation in the Program has been approved prior to termination.

By their execution below, the parties have agreed to all of the terms and conditions of this Agreement.



**SRM UNIVERSITY-AP
ANDHRA PRADESH**

UNIVERSITY OF NOTRE DAME DU LAC

Dr. R. Premkumar



Michael E. Pippenger

Dr. R. Premkumar
Registrar **Dr. R. PREMKUMAR**
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

Michael E. Pippenger
Vice President and Associate Provost for
Internationalization

3 April 2023

Date **24.04.2023**

Date

Dear Students,

University of Notre Dame International, USA: Semester Abroad Program (SAP) Spring 2023 (January - May 2023)

We are delighted to invite students to apply for a semester abroad program at **University of Notre Dame International, USA** for Spring 2023 semester (January - May 2023).

University of Notre Dame International, USA	1 \$ ≈ 80 INR	
Costs	USD \$	Rs Lacs
Tuitions Fee (for min 12 credits, For max 15 credits)	15270 19050	12.22 15.24
Living Expenses (including accommodation, food, health insurance books)	10342	8.28
Travel (approx..)	2500	2.00
Others	1250	1.00
Net amount	29,362-33,142	23.5-26.5

The net cost would be close to Rs 24 - 28 lacs which broadly includes the host university tuition fee, health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this email carefully and only apply if you fit the criteria and are interested.

Eligibility Criteria (All mandatory):

1. **B.Tech.** – Students from all the branches of Engineering (Civil Engineering, Electrical Engineering, Mechanical Engineering, Computer Engineering) who are currently in their **2nd & 3rd year.**
 - B.A.** - Students who are in the branch (Economics, English, Psychology) currently in their 2nd year.
 - B.Sc.**- Students who are in the branch (Chemistry, Physics, Mathematics, Environmental Science, Computer Science) currently in their 2nd year.
2. **CGPA > 9**
3. No standing backlogs in the courses

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

Please submit your application through SRMAP Student Portal by no later than Friday, 9 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmap.edu.in

For any technical support, please write to itkm.helpdesk@srmap.edu.in

The shortlisted candidates will be called for interviews in due course.

Semester Abroad Program (SAP) - Spring 2024

“Make your January to June Semester International”.

The United States of America

*Last date to Apply (SRM AP Student Portal) – September 23, 2023

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accomo.)	Total Cost (Approx)
1	University of Wisconsin-Madison	65	2021	6	B.Tech.	Computer Science and Engineering	8	11,50,000	9,00,000	21,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	8			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8			
			2021	6	B.Tech.	Mechanical Engineering	8			
			2021	6	B.Tech.	Civil Engineering	8			
			2022	4	Bachelor of Business Administration (BBA)		8			
2	Illinois Institute of Technology- Chicago	443	2021	6	B.Tech.	Computer Science and Engineering	8.5	9,00,000	9,00,000	18,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	8.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8.5			
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Civil Engineering	8.5			
			2022	4	Bachelor of Business Administration (BBA)		8.5			



Semester Abroad Program (SAP) - Spring 2024

3	University of California - Berkeley	27	2021	6	B.Tech.	Civil Engineering	9.5	16,00,000	8,00,000	24,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	9.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	9.5			
			2021	6	B.Tech.	Mechanical Engineering	9.5			
			2021	6	B.Tech.	Computer Science and Engineering	9.5			
			2022	4	Bachelor of Business Administration (BBA)		9.5			
4	University of California - Davis	102	2021	6	B.Tech.	Civil Engineering	8.5	10,00,000	8,00,000	18,00,000
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Computer Science and Engineering	8.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8.5			
5	Western Michigan University	1001-1200	2021	6	B.Tech.	Electrical Engineering	8.5	6,80,000	8,00,000	15,00,000
			2021	6	B.Tech.	Civil Engineering	8.5			
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Computer Engineering	8.5			
			2022	4	Bachelor of Science	Chemistry	8.5			
			2022	4	Bachelor of Science	Computer Science	8.5			
			2022	4	Bachelor of Arts	Economics	8.5			

Semester Abroad Program (SAP) - Spring 2024



6	University of Notre Dame International	243	2022	4	B. Tech.	Electrical Engineering	9	14,26,000	9,50,000	24,00,000
			2021	6	B. Tech.	Electrical Engineering	9			
			2022	4	B. Tech.	Civil Engineering	9			
			2021	6	B. Tech.	Civil Engineering	9			
			2022	4	B. Tech.	Computer Engineering	9			
			2021	6	B. Tech.	Computer Engineering	9			
			2022	4	B. Tech.	Mechanical Engineering	9			
			2021	6	B. Tech.	Mechanical Engineering	9			
			2022	4	Bachelor of Science	Computer Science	9			
			2022	4	Bachelor of Science	Mathematics	9			
			2022	4	Bachelor of Science	Physics	9			
			2022	4	Bachelor of Science	Chemistry	9			

*Student applying to SAP should have **NO** existing backlog.

***Please submit your application through SRMAP Student Portal by no later than Saturday, 23 September 2023. Kindly go through the attachment for further guidance.**

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.

10

Memorandum of Understanding (MoU)
for

**Research, Academic and Scientific Knowledge Exchange in the field of
Geospatial Technology, Drone Technology and its allied Areas**

Between

SRM University AP, Guntur



And

**Andhra Pradesh Space Applications Centre (APSAC),
Government of Andhra Pradesh**



April 19, 2023

This Memorandum of Understanding (MoU) is entered into on the April 19, 2023,

BY AND BETWEEN

SRM University AP (herein after referred to as **SRM AP**), located in Mangalagiri - Mandal, Neeru Konda, Amaravati, Andhra Pradesh 522502, offering academic programs at undergraduate, post graduate and doctoral levels in engineering, sciences, social sciences, and management programmes recognised by UGC and AICTE

AND

Andhra Pradesh Space Applications Centre (herein after referred to as **APSAC**) a society established under the Information Technology, Electronics & Communications Department, Government of Andhra Pradesh located at #40-17-3/1, Labbipet, M G Road, Vijayawada- 520010, Andhra Pradesh, is the State Nodal agency for offering Geospatial Solutions (Remote Sensing, GIS, Advanced Survey and Mapping, Locations Based Services, etc.) to the State of Andhra Pradesh.

WHEREAS,

- i. **SRM AP**, is a not-for-profit University notified by the Government of Andhra Pradesh in 2017, recognized by the **University Grants Commission (UGC)** offering Graduation, Masters, and doctoral programs in the field of Engineering, Sciences, Social Sciences, and Management. It also offers various courses related to Geographic Information Systems (GIS) as one of the core academic curriculum. SRMAP with due emphasis to conduct research on GIS, has started Centre for Geospatial Technology and Centre for Drone Technology.
- ii. **APSAC**, a society working as the Geospatial Wing of the Government of Andhra Pradesh, is a 29 years old organization having a reach repository of Geospatial Data of different scale, sensors, platforms, etc. and a strong team of Scientists, Technical Assistances and Technical Staffs.

1. PARTIES

1.1 PARTY 1

SRM University AP

1.2 PARTY 2

Andhra Pradesh Space Applications Centre (APSAC)



[Handwritten signature]

2. AUTHORIZED SIGNATORY

Authorised signatory for SRM AP shall be the Registrar, SRMAP University (hereinafter referred to as the First Party)

and

APSAC is represented by the Vice Chairman, Andhra Pradesh Space Applications Centre, and Government of Andhra Pradesh (hereinafter referred to as the Second Party)

3. TERM ETC.

3.1 COMMENCEMENT

The effective date for the commencement of this MoU will be the date of signing of the MoU by SRM University AP and APSAC, Government of Andhra Pradesh

3.2 DURATION

This MoU shall be valid till the scope of work as mentioned in the clause 5 is fulfilled.

4. SCOPE OF WORK

4.1 SRM University AP

- 4.1.1 To collaborate with APSAC for Scientific Research in the fields of Geospatial Science including its allied technologies in a transparent manner without any direct financial dependency.
- 4.1.2 To collaborate with APSAC for National and International Research Funding (funding) without any profit motive in the field of Geospatial Science including its allied technologies in diverse Applications areas with mutual agreement.
- 4.1.3 To collaborate with APSAC for the popularisation and awareness of Geospatial Science including its allied technologies in the form of Seminar, Workshop, Symposia, Research Publications, etc. at National and International level.
- 4.1.4 To allow Scientists and Technical Staffs of APSAC to share their expertise with the Bachelors, Masters and Doctoral students of SRM AP as Guest Faculty.
- 4.1.5 To allow the eligible Scientists of APSAC to work as Guide and Co-Guide for Masters and Doctoral students of SRM AP



- 4.1.6 To extend reasonable research related support to APSAC (all the employees) adhering the norms of UGC and AICTE.
- 4.1.7 To allow the Scientists and Technical Staffs of APSAC to enrol for Doctoral and Post-Doctoral courses.
- 4.1.8 To extend the facilities like Laboratory, Library (online & offline), Classroom, others available in or off campus of SRM AP to APSAC as and when required for Scientific, Academic and Research purposes without any financial clauses.
- 4.1.9 To acknowledge and cite APSAC for any kind of Research & Academic Publications, Presentations, Awareness, etc where APSAC is involved directly or indirectly

4.2 Andhra Pradesh Space Applications Centre

- 4.2.1 To collaborate with SRM AP for Scientific Research in the fields of Geospatial Science including its allied technologies in a transparent manner without any direct financial dependency.
- 4.2.2 To collaborate with SRM AP for National and International Research Funding (funding) without any profit motive in the field of Geospatial Science including its allied technologies in diverse Applications areas with mutual agreement.
- 4.2.3 To collaborate with SRM AP for the popularisation and awareness of Geospatial Science including its allied technologies in the form of Seminar, Workshop, Symposia, Research Publications, etc. at National and International level.
- 4.2.4 To permit Scientists and Technical Staffs of APSAC to share their expertise with the Masters and Doctoral students of SRM AP as Guest Faculty.
- 4.2.5 To permit and encourage the eligible Scientists of APSAC to work as Co-Guide for Masters and Doctoral students of SRM AP.
- 4.2.6 To extend all research related support to APSAC (all the employees) adhering the norms of UGC and AICTE.
- 4.2.7 To allow the Scientists and Technical Staffs of APSAC to enrol for Doctoral and Post-Doctoral courses by giving relaxations from official activities of APSAC.
- 4.2.8 To extend the facilities like GIS Laboratory, Data, Knowledge of Scientific Staffs and others available with APSAC to SRM AP as and when required for Scientific, Academic and Research purposes without any financial clauses.



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- 4.2.9** To acknowledge and cite SRM AP for any kind of Research & Academic Publications, Presentations, Awareness, etc where SRM AP is involved directly or indirectly.
- 4.2.10** To share the Geospatial Data (Non-restricted) with SRM AP for Research and Academic purpose by adhering the Andhra Pradesh State GIS/Data Policy and without involving any cost components.
- 4.2.11** To permit undergraduate, post-graduate and doctoral students of SRM AP to be part of the collaborative research projects.

5. FUNCTIONARIES, CONTACT ADDRESSES, PHONE NO, EMAIL

SRM AP and APSAC shall nominate the SPOC ("Single Point of Contact" who alone shall be responsible to sign off the respective contractual obligations under this MOU. The parties may also nominate such other persons for effective delivery of respective obligations by them.

6. CONSIDERATION

As the present MOU is proposed for scientific & research endeavour, no financial consideration is envisaged to flow from either party. The MoU is being signed considering the strengths of SRM AP and APSAC, Govt. of Andhra Pradesh for Research and Academic collaborations.

7. FUNDING & TERMS AND CONDITIONS OF PAYMENT

Respective parties will bear their own costs of expenditure towards the activities as mentioned in the section 4 (scope of work).

8. MoU MONITORING

The MoU Monitoring Committee constituted by the Vice Chairman, APSAC and Vice Chancellor with members from both parties, shall monitor the progress from time to time.

9. CONFIDENTIALITY

The confidentiality of the data or any other materials shall be maintained by both the parties.



10. INTELLECTUAL PROPERTY RIGHT

- 10.1** For all the data provided by APSAC, all the responsibility and rights shall rest jointly with APSAC and SRM AP for all the reports, documents, publications, etc. produced out of this data.
- 10.2** Any intellectual property that evolves during the research, academic, training activities as per this MoU will be registered in the country and/or abroad, will be owned by both APSAC & SRM AP to use the same for mutually acceptable purposes.

11. RELATIONSHIP

Nothing in this MoU shall be construed to make party a partner, an agent or legal representative of the other for any purpose.

12. NON-EXCLUSIVITY

- 12.1** The relationship of the parties under this MoU shall be non-exclusive and both the parties, including their affiliates, subsidiaries and division are free to pursue other agreements or collaborations of any kind.
- 12.2** However, when entering into a particular research agreement, the participants may agree to limit each party's right to collaborate with others on that subject.

13. CHANGES IN SCOPE OF WORK

Any change in scope of work would be with mutual consent of both the parties and duly approved by **MoU Monitoring Committee**.

14. MODIFICATIONS

Any further modifications to this MoU, if required, would be through amendments with mutual consent in writing.

15. FORCE MAJEURE

Neither party shall be held responsible for non-fulfilment of their respective obligation under the agreement due to exigency of one or more of the unforeseen events such as but not limited to Acts of God, war, floods, earthquake, cyclones, strikes, lockouts, epidemics, riots, civil commotion etc.

Provided on the occurrence and cessation of such events, they effected thereby shall give notice in writing to other party within one month of such



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occurrence or cessation. If the force-majeure conditions continue beyond six months, the parties shall then mutually decide about the future course of action.

16. INDEMNITY

Both the party shall exercise reasonable skill, care and diligence in the performance of the MoU and indemnify and keep indemnified respect of any respect of any loss, damage or claim howsoever arising out of or related to breach of MoU, statutory duty or negligence by any employees, researchers, students agents or sub-contractors in relation to the performance or otherwise of the services to be provided under this MoU.

17. SETTLEMENT OF DISPUTE

17.1 Any issues (if arise) shall be settled on the basis of mutual consultation between SRM University AP and APSAC, Government of Andhra Pradesh at the level of executing authorities.

17.2 Pending the submission of and/ or decision on a dispute, difference or claim or until the decision is published; the Parties shall continue to perform all of their obligations under this MoU without prejudice to a final adjustment in accordance with such decision.

18. TERMINATION

During the tenure of the agreement, either Party may terminate and nullify this MoU by providing prior written notice of 30 days to the other party for any of the reasons. In the event of such termination either party has to fulfill their part of the obligation which arise during the term of the agreement or prior to the termination.

18.1 Termination for Convenience: For convenience without assigning any reason.

18.2 Termination for Cause: For the breach of obligations/ responsibilities/ conditions of this agreement by the other party, with an opportunity to cure/rectify such a situation within thirty (30) days to the defaulting party and no remedial action is taken to the satisfaction of the aggrieved party.

18.3 Termination for Force Majeure: In the event of "Force Majeure" as defined in this MoU.



A handwritten signature in black ink, appearing to be "nmty".

18.4 Obligations upon Termination: Following termination or expiration of this Agreement, in addition to any other obligations existing hereunder or otherwise at law or in equity,

- a) The rights and obligations of the parties there shall be settled by mutual discussion.
- b) The agreement arrived at between the parties hereto for the utilization of the intellectual property (defined in clause #10) shall survive the termination of the agreement.

IN WITNESS WHEREOF, the Parties here to have caused this MoU to be signed in their respective names on this **19th April 2023**

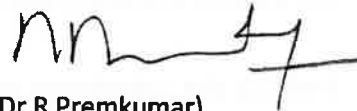
For APSAC



(Dr. B. Sundar, IFS)
Vice Chairman, APSAC
Government of Andhra Pradesh



For SRM AP

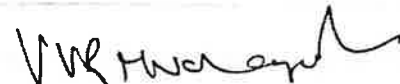


(Dr R Premkumar)
Registrar
SRM University AP
Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240



Witness:

Name:




VVR NARAYANA
DIRECTOR (ADM) /c
APSAC

Witness:




Prof. Manoj Kumar Arora
Vice Chancellor
SRM University AP

Name:



CH. TATA BABU
SCIENTIST - SC
APSAC



Dr. Harish Puppala
Assistant Professor,
Department of Civil Engineering

Post-event Report

Title of the Event: Workshop on “Democratization of geographical information systems education - perspectives from India

Date: Research talk on 25/08/2023

Time: 2:00 PM to 3:00 PM

Objective of Research talk: Briefly, to provide (1) an overview of water resources in India, (2) water resource challenges and hazards, (3) climate change and projected effects, and (4) mitigation and adaptation strategies.

Venue: Tiered classroom, SRM University-AP

No. of attendees: App. 123

Type of attendees: Faculty, PhD Scholars, UG students from various colleges and universities

Host: Centre for Geospatial Technology

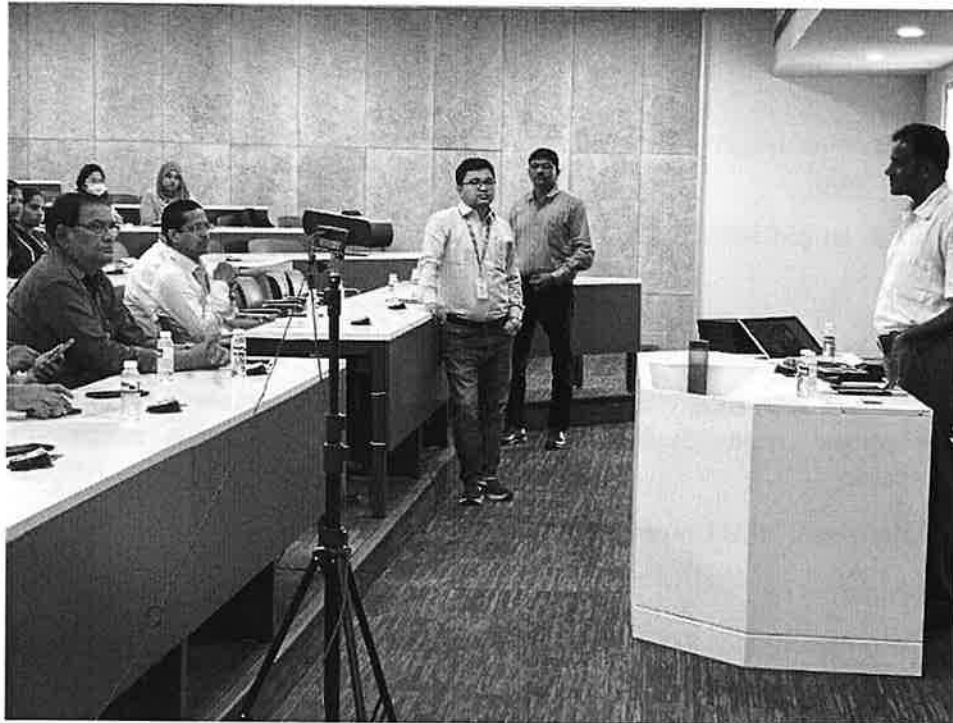
Area: Geographic Information Systems

Resource Person: Dr.B.Sundhar, IFS, Vice Chairman APSAC, Govt. of Andhra Pradesh


Affiliation: Andhra Pradesh Space Applications Centre

Outcome: The Vice Chairman may have shared information on government initiatives or policies aimed at promoting GIS education and research in India. The webinar addressed opportunities for research and innovation in the field of GIS education, encouraging students and educators to explore new avenues and contribute to the development of GIS technologies. Discussions on the need of updating or modifying GIS curricula to keep pace with technological advancements, changing industry requirements, and the integration of practical, hands-on experience was discussed.


Event Pictures: 25/08/2023



Event Flyer:



CENTRE FOR GEOSPATIAL TECHNOLOGY (CGT)
SRM UNIVERSITY AP, ANDHRA PRADESH



ANDHRA PRADESH SPACE APPLICATIONS CENTRE (APSAC)
GOVERNMENT OF ANDHRA PRADESH


WEBINAR


ON

Democratization of geographical information systems education - perspectives from India

SPEAKER

Dr. B. Sundar, IFS
Spl.Sec., ITE&C Dept.
Vice Chairman, APSAC,
Govt of Andhra Pradesh



 **Friday, 25th Aug**
2:00 PM – 3:00 PM IST
Online Mode

PARTICIPATION CERTIFICATES WILL BE ISSUED JOINTLY BY CGT AND APSAC

Sample certificate



**Event report format for Seminar / Workshops/Conferences/ Technical & Non -
Technical Events**

Title of the Event:	Democratization of geographical information systems education - perspectives from India				
Nature of the Event:	SRMAP-APSAC Webinar Series				
Date:	25/08/2023				
Time:	2:00 PM to 3:00 PM				
Host:	University	Centre for Geospatial Technology			
Location:	Amaravathi				
Number of attendees:	External *	Faculty	Ph D Scholar	PG	UG
	List is appended				
Event Organiser Contact info:	Dr. Harish Puppala Mail Id: harish.p@srmap.edu.in				
Subject Area:	Geographic Information Systems				
Resource Person / Chief Guest:	Dr. B. Sundhar				
Affiliation:	IFS, Vice Chairman APSAC, Govt. of Andhra Pradesh				
Resource person profile: (in 50 - 100 words)	<p>Dr. B. Sundar, IFS is currently serving as the Vice-Chairman of Andhra Pradesh Space Applications Centre (APSAC) and Special Secretary, Information Technology, Electronics and Communications Department (ITE & C Dept.) to the Government of Andhra Pradesh. Dr. Sundar began as an officer of the Indian Audit and Accounts Service, during which time he secured an All India Rank of 28 in the Indian Forest Service (IFS) Examination and joined the Indian Forest Service in 1998. During his time as a District Forest Officer, he has made several innovations to present the status of forests to the Hon'ble Courts. He has also served as the Conservator of Forests, Government of Andhra Pradesh. For his outstanding contributions and innovations, he was nominated for the "Indian Council of Forestry Research and Education (ICFRE) Award for Excellence for the year 2003-04" by the Government. He also received several accolades from the Government for achievements relating to promotion of alternative livelihoods for forest-dependent communities, poverty eradication and innovative prosecution methods. After his stint at the forest department, he went on to pursue his Ph.D. at the Indian Institute of Management (IIM), Ahmedabad. He was awarded the best thesis award for his research on "Numeracy, financial literacy, risk attitudes, and impatience of forest dependent communities: Evidence from Andhra</p>				

	<p>Pradesh". He also won the Industrial Finance Corporation of India (IFCI) Thesis Award for the year 2013-14.</p> <p>He has penned many pioneering research articles in leading journals and has given several inspiring lectures. For his exemplary personality, he was also covered by the Economic Times. Despite his busy schedule, he is a passionate advocate of healthy lifestyle, himself being an avid runner and swimmer.</p>
Objective of the event: (in 100 words)	Briefly, to provide (1) an overview of water resources in India, (2) water resource challenges and hazards, (3) climate change and projected effects, and (4) mitigation and adaptation strategies.
Outcome of the event: (in 100-150 words)	The Vice Chairman may have shared information on government initiatives or policies aimed at promoting GIS education and research in India. The webinar addressed opportunities for research and innovation in the field of GIS education, encouraging students and educators to explore new avenues and contribute to the development of GIS technologies. Discussions on the need of updating or modifying GIS curricula to keep pace with technological advancements, changing industry requirements, and the integration of practical, hands-on experience was discussed.
Event Flyer/brochure:	Yes
Attendance Sheet:	Yes
Recommended actions (If Any): (in 100-150 words)	NA
Expenses incurred:	NA
Revenue Generated if Any:	NA

Event Pictures
(with Geo-
tagging)



Prepared By: Dr. Harish Puppala
Date: 28-August-2023

Harish Puppala
Signature:

NON-DISCLOSURE AGREEMENT

This mutual non-disclosure agreement (the "Agreement") is made and entered into on 17th April 2023 (the "Effective Date") at Bangalore

By and between:

OLA CELL TECHNOLOGIES PRIVATE LIMITED, a company incorporated under the Companies Act, 2013 and having its corporate office at Regent Insignia, #414, 3rd Floor, 4th Block, 17th Main, 100 Feet Road, Koramangala, Bangalore - 560 034 (hereinafter referred to as "Ola Electric" or "First Party" which expression shall unless repugnant to the context or meaning thereof shall be deemed to include its affiliates, successors and permitted assigns) of the **FIRST PART**;

AND

SRM University AP, Andhra Pradesh, a University established under the Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016 through SRM Trust, having its registered office and address at Neerukonda, Mangalagiri, Guntur District, Andhra Pradesh-522 240 (hereinafter referred to as the "SRM-AP") (hereinafter referred to as the "[SRMAP]" or "Second Party" which expression shall unless repugnant to the context or meaning thereof shall be deemed to include its successors and permitted assigns) of the **SECOND PART**.

Ola Electric/First Party and [SRMAP]/Second Party shall hereinafter be referred to individually as the "Party" and collectively as the "Parties".

RECITALS

- A) The First Party is engaged in the business of manufacturing, processing, assembling, export, selling, repairing and distribution of batteries/cell. The Second Party is in the business of computational and experimental research in the area of Li/Na ion-based batteries (anode, cathode and half-cell and full-cell), testing facility. The First Party and the Second Party contemplate discussions and the exchange of certain information from time to time pertaining to their respective activities, whether technological, financial or other for the purpose of examining a potential business engagement between the parties ("Purpose").
- B) Either Party may disclose to the other Party confidential or proprietary information, whether in writing or orally, including, information pertaining to

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trade secrets, patents, patent applications, copyrights, know-how, processes, ideas, inventions (whether patentable or not), formulas, computer programs, databases, employees details, any development plans, supplier information, forecasts, strategies, business plans, analyses, forecasts, predictions, projections, intellectual property, contracts, proposals, documents, mechanical and electronic design drawings, specifications, software, technical or engineering data, test procedures, schematics, writings, materials, methods, operations, procedures, know-how, financial information, financial statements and other business data, (hereinafter collectively referred to as the "**Confidential Information**"), the Confidential Information may be disclosed by the Discloser (the "**Discloser**") to the Receiver (the "**Receiver**").

- C) Confidential Information does not include information that: (i) is or becomes generally available to the public through no improper action or inaction by the Receiver, or (ii) was in the Receiver's possession or known by it prior to receipt from the Discloser as evidenced by written records, or (iii) was rightfully disclosed to the Receiver by a third party provided the Receiver complies with restrictions, if any, imposed on the third party, or (iv) was independently developed by the Receiver or its employees or personnel and the Authorized Persons, without reliance on the Confidential Information as evidenced by written records.

NOW, THEREFORE, in consideration of the terms and conditions hereinafter set forth, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties hereto mutually agree as follows:

1. **Non-Use and Non-disclosure obligations.** The Receiver agrees (a) to hold the Discloser's Confidential Information in confidence and to take all reasonable precautions to protect such Confidential Information; (b) to use the Discloser's Confidential Information only for the Purpose; (c) not to disclose any Confidential Information or any information derived therefrom to any third person without the prior written consent of the Discloser, other than to the Receiver's employees, subsidiaries, associates and Affiliates who need to know Confidential Information for the Purpose (collectively, the "**Authorized Persons**"), provided that the Authorized Persons agree to be bound by the terms of this Agreement as if they were the Receiver. "**Affiliate**" shall mean, as to a person, any other person that, directly or indirectly, is controlled by, is under common control with or controls such person, but only as long as such control exists (control as defined in the Companies Act, 2013). Furthermore, neither Party shall disclose any information to the other Party in violation of any confidentiality obligations to, or proprietary rights of, any third party. Receiver's obligations under this Agreement with

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respect to any Confidential Information shall remain in effect (a) in the case of Confidential Information which constitutes a trade secret within the meaning of applicable law, for as long as such Confidential Information remains a trade secret, or (b) in any other case, for a period of Five (5) years from the expiry or earlier termination of this Agreement. Nothing in this Agreement shall impose any legal obligations on either of the Parties to enter into any agreements for proceeding with the business purpose with any person.

2. **Compelled Disclosure.** If the Receiver is compelled by law to disclose Confidential Information of the Discloser, it shall provide the Discloser with prior written notice of such compelled disclosure (to the extent legally permitted) and reasonable assistance, at the Discloser's cost, if the Discloser wishes to contest the disclosure. The Receiver shall use reasonable efforts to limit any such disclosure, to the extent required and to obtain confidentiality protections to the extent reasonably practicable.

3. **Ownership of Confidential Information and other materials.** As between the Discloser and the Receiver, the Discloser shall be the sole and exclusive owner of all of its Confidential Information and any Derivatives (as defined below) thereof, whether created by the Discloser, the Receiver or any third party, and no license or other rights to the Confidential Information or Derivatives are granted or implied hereby. "**Derivatives**" mean: (i) for copyrightable or copyrighted material, any translation, abridgment, revision or other form in which an existing work may be recast, transformed or adapted; (ii) for patentable or patented material, any improvement thereon or modification thereof; or (iii) for trade secret material, any new material derived from such trade secret material, including new material that may be protected by copyright, patent and/or trade secret. All tangible materials furnished to one Party by the other Party shall remain the property of the Party furnishing such materials.

4. **No Warranty.** All Confidential Information is provided on an "as is" basis and without any warranty, express, implied or otherwise, regarding its accuracy, completeness or performance. The Discloser makes no representation or warranty as to the accuracy or completeness of the Confidential Information and the Receiver agrees that the Discloser and its employees and agents shall have no liability to the Receiver resulting from any use of the Confidential Information.

5. **Term and Termination.** The term of this Agreement shall commence on the Effective Date and continue until two (2) years from the Effective Date. Each Party may terminate this Agreement upon 30 (Thirty) days' written notice of such





termination to the other Party without assigning any reason. The Receiver's obligation with respect to confidentiality shall survive for a period of five (5) years from the expiry or earlier termination of this Agreement, subject to Clause 1 above. Notwithstanding the foregoing, all rights of a Receiver to use the Confidential Information of the Discloser shall automatically terminate upon any merger, stock acquisition, or corporate reorganization of the Receiver, or sale of all or substantially all of the Receiver's assets, where the surviving or controlling entity after the transaction is a direct competitor of the Discloser. Upon any termination/ expiry of this Agreement, such original and all copies of all or any part thereof of all tangible materials embodying Confidential Information of the Discloser disclosed to the Receiver, pursuant to this Agreement shall be returned promptly by the Receiver to the Discloser or destroyed permanently upon request by the Discloser in accordance with the written instructions of the Discloser, except that upon written request, the Receiver may retain a single complete copy of the Confidential Information in the exclusive possession of its legal counsel's office solely for use in connection with the prosecution or defence of any dispute arising from this Agreement.

6. General Provisions.

6.1 Waiver and Cumulative Remedies. No failure or delay by either Party in exercising any right under this Agreement shall constitute a waiver of that right and a waiver shall be made in writing by the Parties. Other than as expressly stated herein, the remedies herein are in addition to, and not exclusive of, any other remedies of a Party at law or in equity.

6.2 Public Announcements. Neither party shall make any public disclosure regarding this Agreement, the Project, any discussions contemplated herein, or the fact that Confidential Information has been made available in connection with the Project at any point in time, without prior review and written authorization of the other party.

6.3 Severability. Should any provision of this Agreement be held to be unenforceable, such provision shall be modified by the Parties and interpreted so as to best accomplish the objectives of the original provision, to the fullest extent permitted by law, and the remaining provisions of this Agreement shall remain in full force and effect.

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6.4 Assignment. The Parties shall not directly or indirectly assign or transfer by operation of law or otherwise any rights or obligations under this Agreement, without the prior written consent of the other Party.

6.5 Governing Law and Venue. This Agreement shall be governed exclusively by the laws of the Republic of India, without regard to its conflict of laws' provisions. Subject to Clause 6.6 below, the courts located in Bangalore, India shall have exclusive jurisdiction in relation to this Agreement.

6.6 Entire Agreement and Construction. This Agreement constitutes the entire agreement between the Parties as to its subject matter and supersedes all prior and contemporaneous agreements, proposals or representations, written or oral, concerning its subject matter. No modification, amendment or waiver of any provision of this Agreement shall be effective unless in writing and signed by both Parties.

6.7 Counterparts. This Agreement may be executed in counterparts which, taken together, shall form one legal instrument.

Acknowledged and Agreed:

[SRM University -AP]



Name: Dr. R. Premkumar
Title: Registrar
Date: 17th April 2023

Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

OLA CELL TECHNOLOGIES
PRIVATE LIMITED



Name: _____
Title: _____
Date: 17th April 2023



Durgam Sravani <sravani.d@srmmap.edu.in>

Fwd: Problem statement of the project

1 message

Ranjit Thapa <ranjit.t@srmmap.edu.in>
To: Durgam Sravani <sravani.d@srmmap.edu.in>

Thu, Jan 25, 2024 at 10:19 AM

----- Forwarded message -----

From: **Ranjit Thapa** <ranjit.t@srmmap.edu.in>
Date: Sun, Jul 2, 2023 at 3:15 PM
Subject: Re: Problem statement of the project
To: Bijoy Tk <bijoy.tk@olaelectric.com>
Cc: Neha Sharma2 <neha.sharma2@olaelectric.com>, Srivats Gopalan1 <srivats.gopalan1@olacabs.com>

Dear Bijoy

Please find the version from my side. Please check and let me know

The red text - part is not possible in computational methods and is not within my expertise

Hope to start the project soon

with regards
Ranjit

On Sun, Jun 25, 2023 at 2:39 PM Bijoy Tk <bijoy.tk@olaelectric.com> wrote:

Dear Prof. Thapa,
Thank you for your mail.
We are waiting for your proposal. Please let us know if you have any concerns.
Yours sincerely,
Bijoy T. K.
Ola-BIC

On Sat, Jun 24, 2023 at 3:24 PM Ranjit Thapa <ranjit.t@srmmap.edu.in> wrote:

Dear Bijoy and Neha

I was out of the station, now came back.

Now, I started writing the proposal, and try to submit the draft by this month's end or early week of next month.

will update and discuss if anything needed

with regards
Ranjit

On Fri, Jun 9, 2023 at 3:02 PM Bijoy Tk <bijoy.tk@olaelectric.com> wrote:

Thank you sir.
Sincerely,
Bijoy T. K.
Ola-BIC

On Fri, Jun 9, 2023 at 3:00 PM Ranjit Thapa <ranjit.t@srmmap.edu.in> wrote:

Dear Bijoy

I got you email

I will go through it and do the needful

With regards
Ranjit

On Fri, 9 Jun 2023, 13:42 Bijoy Tk, <bijoy.tk@olaelectric.com> wrote:

Dear Prof. Thapa,

Hope you are doing well.

Here we are attaching the problem statement of the project. We are expecting to complete this project in one year.

Based on the problem statement please provide us with a detailed project proposal, time duration according to your plan, manpower requirements and total budget including all the cost.

If you have any concerns, please let us know.

Thank you.

Yours sincerely,

Bijoy T. K.

Ola-BIC

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Prof. Ranjit Thapa

Dean (i/c) SEAS

Professor, Department of Physics

School of Engineering And Sciences



SRM
UNIVERSITY AP
Andhra Pradesh

<https://srmap.edu.in/faculty/prof-ranjit-thapa/>
[https://srmap.edu.in/seas/physics-department/
ranjit.t@srmap.edu.in](https://srmap.edu.in/seas/physics-department/ranjit.t@srmap.edu.in) | www.srmap.edu.in
Neerukonda, Mangalagiri Mandal, Guntur District,
Andhra Pradesh, Pincode: 522240

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Prof. Ranjit Thapa

Dean (i/c) SEAS

Professor, Department of Physics

School of Engineering And Sciences



SRM
UNIVERSITY AP
Andhra Pradesh

<https://srmap.edu.in/faculty/prof-ranjit-thapa/>
[https://srmap.edu.in/seas/physics-department/
ranjit.t@srmap.edu.in](https://srmap.edu.in/seas/physics-department/ranjit.t@srmap.edu.in) | www.srmap.edu.in
Neerukonda, Mangalagiri Mandal, Guntur District,
Andhra Pradesh, Pincode: 522240

Prof. Ranjit Thapa

Professor and Dean - Research

MoU

MEMORANDUM OF UNDERSTANDING

Between



INDIAN INSTITUTE OF
TECHNOLOGY GUWAHATI, INDIA

&



SRM University - AP
Neerukonda, Mangalagiri Mandal
Guntur District, Andhra Pradesh 522 240

Date: 4-01-2023

Venue:

Guwahati/Neerukonda



**MEMORANDUM OF UNDERSTANDING
BETWEEN
INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI
AND
SRM University – AP**

1. PREAMBLE

The **Indian Institute of Technology Guwahati**, incorporated under the Institute of Technology Act 1961 as amended by the Institute of Technology (Amendment) Act, 1994 and established in 1994, represented by its Director (hereinafter referred to as “**IITG**”). Indian Institute of Technology Guwahati, the sixth member of the IIT fraternity, commenced its academic programmes in 1995. IIT Guwahati is officially recognized as an Institute of National Importance by the Government of India.

and

The **SRM University -AP**, established under the Andhra Pradesh Private Universities Act, 2016 in the year 2017 (hereinafter referred to as “**SRMAP**”), commenced its academic programmes in 2017. (Institution / University) is managed by SRM Trust with a vision “to develop into an inter-disciplinary institute combining academic rigor, excitement of discovery, creativity, and entrepreneurship. To deliver world class research-based education, creating new knowledge and innovations.”.

INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI (IITG) and SRM University -AP (SRMAP), hereinafter collectively referred to as ‘the Parties’ and individually as ‘the Party’ formally agree on a Memorandum of Understanding (MoU) as follows:

The Director of Indian Institute of Technology Guwahati (IITG) and the Vice-Chancellor / Director of **SRM University -AP (SRMAP)**, for the purpose of furthering cooperation in education and R&D activities between these two institutions, hereby affirm their intent to promote such academic collaborations and to participate in various academic endeavors.



2. OBJECTIVES: (retain / add / modify whatever is required)

This MoU envisages the fulfilling of the following objectives:

- (a) **IITG administrative support to SRMAP:** Cooperation between IITG and **SRMAP** for improving or initiating new Bachelors, Masters and Doctoral programmes at SRMAP;
- (b) **Internship programme at IITG:** Under this programme, **SRMAP** UG /PG/ PhD students will visit IITG for period of 2 to 8 weeks to attend a summer internship programme either specifically designed and offered or as part of ongoing research at IITG. IITG may charge a fee per participant, on mutual agreeable terms, to cover the costs, if any;
- (c) **Visiting students:** IITG and SRMAP will explore possibilities of facilitating **SRMAP** students (at UG, PG and PhD level) to attend, as visiting students, semester long courses offered at IITG, as per terms of IITG including a fee as fixed by norms of IITG. SRMAP may work out its own mapping of credits for its own purpose of credit transfer.
- (d) **IITG Faculty support to SRMAP:** IITG may permit its faculty to visit **SRMAP** for short durations ranging from one week to one year to teach at **SRMAP**, on mutually agreeable terms, for capacity enhancement at **SRMAP**;
- (e) **SRMAP Faculty support to IITG:** IITG may consider requests from **SRMAP** Faculty to visit IITG as 'Visiting' Faculty members, as per their designations, for research and teaching activities at IITG for limited durations, on mutual agreeable terms.
- (f) **Short-term Training Programmes:** Development and organization of short-term training and certificate courses by IITG and enabling **SRMAP** faculty / staff / students to take part in ongoing continuing education programmes and courses of IITG;
- (g) Enabling **SRMAP** faculty / students to pursue their Masters and Doctoral programmes at IITG on a full-time basis, as per existing IITG norms;
- (h) Cooperation from IITG for development of new areas of research and development at **SRMAP**;
- (i) **Guidance in infrastructure development:** Extension of technical cooperation in the form of knowhow from IITG for infrastructural development, management and upgradation of library and teaching / research laboratories facilities at **SRMAP**;
- (j) To jointly organize short term continuation programmes, seminars, conferences on topics of mutual interest and invite faculty members from both the institution to participate



[Handwritten signature]

- (k) Each of the institutions will maintain their independent identity, logo symbol, image and make no other claims in their publicity material, media, websites, which is termed to be beyond the scope and nature of activities as incorporated in this memorandum. Each party will consult with and take approval of the other party to use the latter's name, the names of the latter's officials' / faculty members, and the logo for the activities under this MoU, and dissemination of results, on a case-by-case basis.

3. COORDINATORS:

The Director, IITG and the Vice-Chancellor / Director, SRMAP shall be primarily responsible for this cooperation at IITG and SRMAP, respectively. They may delegate their authority to coordinators whose responsibility will be to:

- (a) Initiate action at their respective institutions to implement the provisions of this MoU.
- (b) Coordinate and monitor the activities initiated under this MoU.
- (c) National regulations and customs shall be mutually respected.

4. GENERAL PROVISIONS

- (a) This MoU shall have an initial duration of FIVE years from the last date of signature, unless either party gives a six-month notice of termination. This MoU may be renewed upon the mutual consent of both parties in writing extended further, in five-year increments, after review and by mutual written agreement.
- (b) This MoU is a non-binding expression of the current intentions of the Parties, and neither Party will incur nor be bound to any legal obligations or expenses hereunder to the other Party until and unless definitive agreements have been negotiated and approved by the management levels of each Party.

5. FINANCIAL OBLIGATIONS:

There will be no financial obligations on both Parties under this agreement excluding clause 2 (b).



[Handwritten signature]



[Handwritten signature]

6. INTELLECTUAL PROPERTY:

IITG and SRM A.P agree to respect each other's right to intellectual PROPERTY. Further, all rights linked to ideas, inventions and patents generated during the MoU, if any, shall remain the common intellectual property of the parties. The Parties shall not pass on or give usage rights of such property to any third Party without the consent of the other Party. Any such research collaboration to be taken up during due course of time under the ambit of this present MoU shall be legitimized by signing an agreement.

7. DISPUTE SETTLEMENT:

All Disputes, controversies or differences that may arise between the parties hereto, out of or in relation to or in connection with this Agreement or for the breach thereof, shall be settled amicably through negotiations in good faith. Should the parties fail thereby to resolve a dispute, a party may request that the matter be settled in an arbitration proceeding in accordance with the rules and under the provisions of the Arbitration & Conciliation Act, or any other enactment or statutory modification thereof made by the Government. The Venue of arbitration shall be on neutral ground, i.e, in any Indian state which is neither Assam nor Andhra Pradesh. In case of any legal dispute Gauhati High Court has the exclusive jurisdiction to solve the dispute.

8. FORCE MAJEURE:

A party prevented by force majeure from fulfilling its obligations shall not be deemed in breach of such obligations. The said party shall use all reasonable efforts to mitigate consequences of force majeure. At the same time, the Parties shall consult with each other on modalities of further execution of this Memorandum of Understanding. Force majeure as used in this Memorandum of Understanding is defined as acts of God, war (whether declared or not), invasion, revolution, insurrection, or other acts of a similar nature or force.

9. LIABILITY:

Except for loss or damages caused through gross negligence or intent, the Parties shall have no liability to each hereunder.



[Handwritten signature]

10. LEGAL RELATIONSHIP:


This MOU shall be construed as a statement of purpose to promote a genuine and mutually beneficial collaboration between the parties. Nothing in this MoU shall be constructed to create any legal relationship between the Parties. Details of specific cooperation will be determined on a case – by – case basis and by mutual agreement consistent with this memorandum of understanding.

11. : CONFIDENTIAL INFORMATION:

- (a) All information and documents to be exchanged pursuant to the MoU will be kept confidential by the Parties and will be used subject to such terms as each Party may specify. The Parties will not use the information for purposes other than that specified without the prior written consent of the other party.
- (b) All confidential Information shall remain the exclusive property of the disclosing Party. The Parties agree that this MoU and the disclosure of the Confidential Information do not grant or imply any license, interest or right to the Recipient in respect to any intellectual property right of the other Party.
- (c) Unpublished information, whether oral, in writing, or otherwise, discovered or conceived by the scientists or technicians and exchanged under the provisions of this MoU will not be transmitted to a third party, unless otherwise agreed by the Parties in writing.

Signed at Guwahati/Neerukonda on this 4th day of January ~~2022~~, in two originals in the English language, one for each Party.
2023

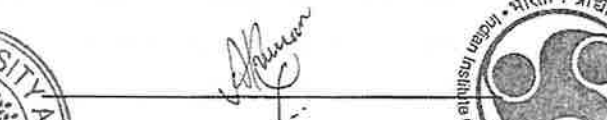
In witness thereof, both the parties have caused this MoU to be signed by their duly authorized representatives.


Date: 23/12/22
Registrar
SRM UNIVERSITY-AP
Andhra Pradesh-522 240
Witness



(Dr Pranab Mandal)




Date: 4/1/2023
संकायाध्यक्ष, आउटरीच शिक्षा कार्यक्रम
Dean, Outreach Education Program
भा प्रौ सं गुवाहाटी / IIT Guwahati
गुवाहाटी / Guwahati-781039
Witness



(Prof. Perumal Alagesamy)



Dr. Ubirajara van Kolck
Pôle Théorie - Bâtiment 100
15 rue Georges Clemenceau
91405 Orsay, France
Phone: +33 1 69 15 65 35
E-mail: vankolck@ijclab.in2p3.fr

Dr. Johannes Kirscher

SRM University, Andhra Pradesh
Neerukonda, Mangalagiri Mandal, Guntur
District, Mangalagiri, Andhra Pradesh 522240

Orsay, 17 April 2023

Dear Professor Kirscher,

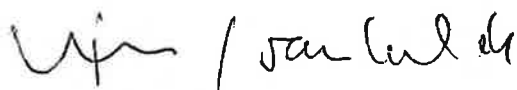
I am pleased to invite you to visit the theory department (Pôle Théorie) of IJCLab at the Université Paris-Saclay, Orsay, from July 1 to July 31, 2023.

Your visit will allow you to continue your on-going collaboration with myself and Dr. Lorenzo Contessi on the description of two-body resonances and few-body systems using effective field theories.

The theory department of IJCLab will provide coverage of your local expenses, and will furnish the necessary working environment including office space and computing facilities during your stay.

I am looking forward to your visit.

Sincerely,



Dr. Ubirajara van Kolck



Durgam Sravani <sravani.d@srmap.edu.in>

IIT-G student details and Paris contacts

1 message

Johannes Kirscher <johannes.k@srmap.edu.in>
To: sravani.d@srmap.edu.in

Thu, Oct 5, 2023 at 4:55 PM

Dear Sravani,

the jointly supervised students at the IIT are

Name: Rakshanda Goswami
Contact Number: 8114419372
Email ID: r.goswami@iitg.ac.in
Department: Physics
University/Organization name: IIT Guwahati
Duration (From and To): 1/9/2022 to 30/9/2022
ID Proof (Aadhar): 794189653917

and

Name: -Sourav Mondal
Contact Number: -9933351313
Email: - sm206121110@iitg.ac.in
Department: -physics
University: -IIT GUWAHATI,
Duration: -01.09.22 to 30.09.22
Aadhar I'd :-748593682793

and my colleague there is Prof. Udit Raha.

Regarding the MoU with Paris, my collaborators there are:

Lorenzo Contessi (lorenzo.contessi@ijclab.in2p3.fr)
Ubirajara van Kolck (vankolck@ijclab.in2p3.fr)

I attached the invitation letter of my latest visit.

Saly, Johannes

--
Johannes Kirscher
Physics Department
SRM University, Andhra Pradesh, India

 Kirscher_invitationsigned.pdf
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Article

Source type

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ISSN

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How does techno-economic analysis and lifecycle assessment help in commercializing the biohydrogen supply chain?

Ganeshan, Prabakaran^a; Vigneshwaran V.S.^a; Gowd, Sarath C.^a; Kondusamy, Dhamodharan^b; Sanjay kumar C.^c; Krishnamoorthy, Nageshwari^d; Kumar, Deepak^e; Juneja, Ankita^f; Paramasivan, Balasubramanian^d; Raju, Nithin N^g; Rajendran, Karthik^a; Pugazhendhi, Arivalagan^{h,i}

Save all to author list

^a Department of Environmental Science and Engineering, SRM University-AP, Andhra Pradesh, India

^b School of Energy and Environment, Thapar Institute of Engineering and Technology, Punjab, India

^c Department of Chemical Engineering, Indian Institute of Bombay, India

^d Department of Biotechnology & Medical Engineering, National Institute of Technology Rourkela, India

^e Department of Chemical Engineering, State University of New York College of Environmental Science and Forestry, Syracuse, 13210, NY, United States

^f Department of Biology, Syracuse University, Syracuse, 13210, NY, United States

^g Department of Mechanical Engineering, Indian Institute of Technology Guwahati, India

^h School of Engineering, Lebanese American University, Byblos, Lebanon

ⁱ University Centre for Research & Development, Department of Civil Engineering, Chandigarh University, Mohali, India

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Optimizing biohydrogen production yields by employing locally isolated thermophilic bacteria from hot springs

Akaçin, İ. , Ersoy , Keskin, T. (2024) *International Journal of Hydrogen Energy*

A comprehensive review on environmental and economic impacts of hydrogen production from traditional and cleaner resources

Yagmur Goren, A. , Dincer, I. , Khalvati, A. (2023) *Journal of Environmental Chemical Engineering*

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Systematic literature review of the sustainability and environmental performance of dark fermentative biohydrogen production

Masilela, P. , Pradhan, A. (2022) *Journal of Cleaner Production*

Life cycle assessment of waste-to-hydrogen systems for fuel cell electric buses in Glasgow, Scotland

Lui, J. , Sloan, W. , Paul, M.C. (2022) *Bioresource Technology*



MEMORANDUM OF UNDERSTANDING

**Between the
POLYTECHNIC INSTITUTE OF
BRAGANÇA
and
SRM UNIVERSITY AP**

This Memorandum of Understanding (the "MOU") is made and executed by and between:

The Polytechnic Institute of Bragança, hereinafter referred to as IPB, a Portuguese higher education institution, with principal office at Campus de Santa Apolónia, 5300-253 Bragança, Portugal, herein represented by its President, **Prof. Orlando Afonso Rodrigues**

-and-

SRM University hereinafter referred to as **SRM AP**, an educational institution organized and existing under the laws of India with principal office at SRM University -AP, located at Mangalagiri Neerukonda Tadikonda Rd, Mangalagiri, Mandal, Andhra Pradesh 522502, India herein represented by its Registrar, **Dr. R. Premkumar**

(Each referred to as the "Party" or collectively as the "Parties")

-WITNESSETH: That-

WHEREAS, IPB is a higher education institution focused in multidisciplinary teaching and research areas, including Engineering, Management, Agriculture Sciences, Teachers Training, Health Sciences, Communication, Tourism and Hospitality, with emphasis in practice-based research, innovative training, the consolidation of strategic partnerships and the creation of living labs. Our vision addresses the commitment with cocreation and innovation in higher education, guiding both teaching and research activities for intrinsic cooperation with companies and organisations and with strong links to international cooperation.

[Handwritten signature]

[Handwritten mark]

WHEREAS SRM AP is a multi-stream research university with a focus on diverse fields. From Engineering to Sciences and Liberal Arts to Management, SRM University-AP's vision is to emerge as a world-class university that is globally connected, nationally relevant, and regionally transformative. It has an ambitious plan to be in the top world-class universities in ten years.

WHEREAS IPB and SRM AP desire to collaborate in the exchange of faculty members and students, joint research projects; joint conferences; and joint cultural programs.

NOW, THEREFORE, for and in consideration of the foregoing premises and the mutual covenants and undertakings hereinafter set forth, the parties have agreed as follows:

I

1.1 This agreement covers the alliance between **IPB and SRM AP** on the following activities:

- a) Exchange of faculty
- b) Exchange of students
- c) Joint research projects
- d) Joint conferences
- e) Joint cultural programs
- f) Short term courses

1.2 Parties may enter into subsequent agreements specifying the terms and conditions to implement the above-mentioned activities subject to mutual consent, availability of funds, and the approval of each party.



II

2.1 No modification or alteration of any part of this Agreement shall be considered as having been made unless executed in writing and duly signed by the parties hereof.

2.2 Neither of the parties shall be liable in any way for failure to observe or perform any provision hereof if such failure shall be caused by any laws, rule, or regulation of any constituted public authority or to any cause beyond the control of the party in default.

2.3 Any dispute or differences that may arise during implementation or the interpretation of the provisions of this Agreement shall be resolved by the parties through mutual consultations and in good faith.

2.4 Any intellectual property resulting from this Agreement or any subsequent agreement specifying the terms and conditions for the activities herein covered shall be subject to the IP policies of both **IPB and SRM AP**. In case of conflict between the IP policies, parties



shall endeavor to resolve the matter amicably.

2.5 This agreement shall be valid and in effect for a period of three (3) years, from 2022 to 2025, unless sooner terminated by either party with written notice of at least sixty days (60) prior to intended date of termination without prejudice to activities or obligations already contracted prior to serving the notice of termination.

2.6 The parties may renew this Agreement under the same or modified terms and conditions, as may be agreed upon by the parties, by serving written notice of renewal upon the other party by at least thirty (30) days prior to the expiration of the original term hereof.

Force Majeure: Neither party shall be held responsible for non-fulfillment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Epidemics, etc. provided on the occurrence and cessation of any such event the party affected thereby shall give notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.



IN WITNESS HEREOF, the parties, through their respective representatives have signed this Agreement.

Polytechnic Institute of Bragança

SRM University, Andhra Pradesh

By: 
Prof. Orlando Afonso Rodrigues
President

Date:


By: 
Dr. R. Premkumar
Registrar
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

Date: 13/03/2023

Semester Abroad Program (SAP) - Spring 2024



“Make your January to June Semester International”.

Portugal

*Last date to Apply (SRM AP Student Portal) – **September 23, 2023**

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accommo.)	Total Cost (Approx)
1	Instituto Politecnico De Braganca	361	2022	4	Bachelor of Business Administration		8.5	Waived Off	2,00,000	2,00,000

*Student applying to SAP should have **NO** existing backlog.

*Please submit your application through SRMAP Student Portal by no later than Saturday, 23 September 2023. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.

**MEMORANDUM OF UNDERSTANDING
FOR THE DEVELOPMENT OF ACADEMIC COOPERATION**

**Between
Holon Institute of Technology, Holon, Israel (Hereafter: "HIT")
And
SRM University - AP, Andhra Pradesh, India (Hereafter: "SRM AP")**

[Each of HIT and SRM AP shall be referred to as a "Party" and together as the "Parties"]

In furtherance of their mutual interests in the field of education and as a contribution to increased international cooperation, HIT and SRM AP, both academic institutions, are desirous to establish academic linkages and contacts through a formalised MOU.

A- PURPOSE

The aim of the Memorandum of Understanding shall be to set forth the basis for all specified and particularized joint activities of the Parties hereto, each of which shall be subject to the Parties' entering into a separate agreement, all – in order to achieve a broad balance in the respective contributions and benefits of the collaboration, and this shall be subject to periodic review by the Parties.

B- SCOPE OF THE AGREEMENT

1. The Parties hereto express their intention to:
 - (i) cooperate in the exchange of information relating to their faculty activities in fields of mutual interests;
 - (ii) promote joint faculty and scholar activities;
 - (iii) encourage staff or students to spend some time in the respective host institution. The exchange of staff or students will be dependent upon the execution of a formal Staff or Student Exchange Agreement mutually agreed between the Parties in writing prior to commencement of this activity;
2. The coordinators from the institutions will prepare an annual joint report on activities in the areas of cooperation under this Memorandum of Understanding – upon request.
3. In the implementation of specific cooperative programs, a written agreement covering all relevant aspects including funding and the obligations to be undertaken by each party, as well as the various aspects of any possible outcome (e.g. intellectual property, patents, copyrights, commercialization of the outcome, etc.) will be negotiated, mutually agreed and formalised in writing, prior to the commencement of the program.



[Handwritten signature]

C- INFORMATION SHARING & CONFIDENTIALITY

Each party undertakes to respect the confidentiality of the other party's confidential information. Each party is to treat all confidential information owned by the other party which is specifically designated as confidential information in writing as confidential, and shall not disclose or permit the same to be disclosed to a third party without the written authorisation of the owner of that confidential information. Each party may request the other parties to enter into a confidentiality deed prior to the disclosure of confidential information.

D- INTELLECTUAL PROPERTY

All background Intellectual Property will remain in the ownership of the originating Institution. Access to such Intellectual Property will be negotiated on a case by case basis and be subject to mutual prior written agreement. The ownership over any new Intellectual Property generated as a consequence of implementation of this Memorandum as aforesaid, will be negotiated on a case by case basis and be subject to mutual prior written agreement. Licences for the exploitation of Intellectual Property will be negotiated on a case by case basis.

E- TIMELINE


This Memorandum of Understanding will take effect from the date of its signing and shall be valid for a period of five years from that date unless sooner terminated, revoked or modified by mutual written agreement between the parties, and may be extended by mutual written agreement.

Either party may terminate the Memorandum of Understanding at any time during the term by the provision of three months written notice to the other party.

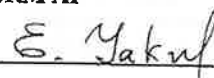
F- LITIGATIONS

The laws and regulations of England and Wales shall govern this Agreement and its interpretation, and the competent courts of London, England, shall have exclusive jurisdiction over any dispute arising of or relating to this Agreement.

G- SIGNATURES


Dr. R. PREM Kumar
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240




Prof. Eduard Yakubov
President
HIT



ANNEX 1

STUDENT EXCHANGE AGREEMENT
between

SRM University - AP, Andhra Pradesh (SRM AP) Mangalagiri Neerukonda Tadikonda Rd, Mangalagiri, Mandal, Andhra Pradesh 522502 India	Holon Institute of Technology (H.I.T.) 52 Golomb St., P.O.Box 305, Holon 58102 Israel tel. +972 3502 6816 fax +972 3502 6590
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A Preamble

The partners to this agreement are both engaged in the teaching of *Engineering* and *Sciences*. As academic institutions, they share mutual respect for each other's curriculum and degrees.

B Purpose

SRM University - AP, Andhra Pradesh and Holon Institute of Technology enter this agreement for the purpose of promoting cultural and professional exchanges in the areas in which both are manifestly involved. The basic assumption is that good understanding between individuals, when they are students will result in better understanding between their peoples, cultures, or countries later in life.

C Principles

- C.1 A selected and limited number of 4 (four) students per year may be invited to visit and study at the corresponding institution for the duration of one semester.
- C.2 The ideal exchange student will be at least in the 2nd year of study.
- C.3 To assure academic suitability, students for the exchange program should be in the top half of their class and must be recommended by Head of their department.
- C.4 English will be the working language of the exchange program since fluency in national languages, recommended and desirable as it may be, can hardly be expected. When classes will be given in the national language, help and translation to English will be provided.
- C.5 The visiting exchange students will remain registered at their home institutions and will receive credit for the experience abroad only upon their return home and will pay tuition and other required fees at their home institution.
- C.6 To expedite matters regarding the student exchange study program, all administration and paperwork will be kept to a minimum. No money will exchange hands between the schools.
- C.7 The number of the exchanged students should be balanced between the institutions in a period of three years.



A handwritten signature in black ink, appearing to be a stylized name.

- C.8 This agreement is a declaration of intentions of mutually beneficial academic cooperation. It shall not be interpreted as having created legal or financial commitment between parties.
- C.9 All expenditures such as for travel, visas, insurance, medical, accommodation, living expenses, etc. are the responsibility of the student, and not borne by the Institutions.


D Procedures

- D.1 In order to administer the exchange program, each institute will appoint a member of staff as coordinator for the selection of students. The coordinator will moderate communications between the students and both Institutions. The coordinator will also serve as a counselor for exchange students.
- D.2 Once the selected student has been approved by host Institution, he/she will proceed to obtain a visa, flight ticket, insurance, vaccinations, and/or any other required steps.
- D.3 Arriving at the institute abroad, the exchange student will report to the coordinator and be assisted in registration to courses and/or other suitable study programs.
- D.4 Upon completion of the exchange period, the student will receive a copy of his/her grade transcript to be presented at his/her home institution.
- D.5 A copy of the grade transcript should be sent to the international office of the student's home institution.
- D.6 Exchange students will be subject to the same rules and regulations applying to local students.

E. Timeline

This agreement will remain valid for as long as the Memorandum of Understanding will remain valid.

Signed for and on behalf of



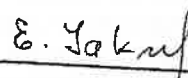
Dr. R. Premkumar
Registrar, SRM AP

Date: 13/03/2023

Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240



Signed for and on behalf of



Prof. Eduard Yakubov
President, HIT

Date: 29.3.23



Semester Abroad Program (SAP) - Spring 2024



“Make your January to June Semester International”.

Israel

*Last date to Apply (SRM AP Student Portal) – **September 23, 2023**

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accommo.)	Total Cost (Approx)
1	The Hebrew University of Jerusalem	222	2022	4	Bachelor of Business Administration		8	6,80,000	4,50,000	12,00,000
2	Holon Institute of Technology		2022	4	Bachelor of Science	Computer Science	8.5	Waived Off	4,00,000	4,00,000
			2022	4	B.Tech	Electrical and Electronics Engineering	8.5			

*Student applying to SAP should have **NO** existing backlog.

*Please submit your application through SRMAP Student Portal by no later than **Saturday, 23 September 2023**. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.

Memorandum of Understanding (MoU)

This Memorandum of Understanding Agreement (hereinafter the "Agreement") is executed on this the 17th day of February, 2023 at Chennai

BETWEEN

SRM Technologies , company having its registered office Campus 1A, 5th Floor, RMZ Millenia Business Park, No. 143, MGR Main Rd, Kandhanchavadi, Perungudi, Chennai, Tamil Nadu 600096, (hereinafter referred to as "SRM Tech") OF THE FIRST PART

AND

SRM University – AP, Andhra Pradesh, a University established under the Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016 through SRM Trust, having its registered office and address at Neerukonda, Mangalagiri, Guntur District, Andhra Pradesh-522 240 (hereinafter referred to as the "SRM-AP") OF THE OTHER PART

SRM Tech and SRM-AP are hereinafter collectively referred to as "Parties" and individually as a "Party", where the context may so require.

1. PROJECT AND SCOPE OF WORK:

- 1.1. SRM Tech and the SRM-AP shall collaborate in the areas of Campus to Corporate, AI/ML, Data Science, Natural Language Processing and Deep Learning to begin with.
- 1.2. SRM-AP shall during the Term of this Agreement carry out the research and development along with SRM Tech, work collaboratively on SRM Tech's customer projects that require deep expertise in the areas mentioned in 1.1
- 1.3. Individual projects between the two parties will be detailed out in a separate Scope of Work document along with the effort, revenue

2. TERM

This Agreement shall come in to effect on the 20th Feb 2023 ("Effective Date") and shall in remain in force for a period of two year unless terminated in accordance with the terms of this Agreement.


3. CONSIDERATION AND TERMS OF PAYMENT

- 3.1 SRM-AP shall raise the invoice in SRM Tech's name. SRM Tech will make the payments within 45 (forty-five) days from the date of receipt of valid invoices along with the relevant supporting documents from SRM-AP.
- 3.2 All invoices for payment shall be addressed to and marked as detailed under:

SRM Technologies

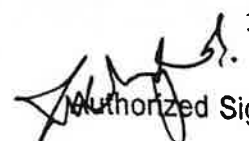
Campus 1A, 5th Floor, RMZ Millenia Business Park, No. 143, MGR Main Rd, Kandhanchavadi, Perungudi, Chennai, Tamil Nadu 600096

Kind Attention: Mr. Sekar Sarangan



Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

For SRM Technologies Pvt. Ltd.


Authorized Signatory

4. OBLIGATIONS/RESPONSIBILITIES OF PARTIES

4.1 Obligations/Responsibilities of SRM-AP

- (a) SRM-AP shall work on the Project in accordance with the standard of utmost care, skill and diligence required for working on the same or similar Projects of similar nature, size and complexity. SRM-AP shall be solely responsible for its acts and omissions.
- (b) SRM-AP agrees to comply with the timeline of the Project, consistent with the terms of this Agreement.
- (c) SRM-AP shall use utmost skill and care to comply with the laws, codes, and regulations, if any applicable to the Project during the entire Term, and on SRM Tech's request, shall make available all the documents pertaining to the compliance with the relevant laws.
- (d) SRM-AP shall obtain all requisite approval, clearances, permits, licenses or other authorizations for the doing the Project under this Agreement.

4.2 Obligations/Responsibilities of SRM Tech

- (a) SRM Tech will provide in a timely manner to SRM-AP any and all necessary materials, as per the terms of this Agreement for working on the Project.
- (b) SRM Tech agrees to provide SRM-AP with such information and assistance as SRM-AP may reasonably request and SRM Tech shall consider reasonably necessary in order to work on the Project, in a timely manner.

5. REPRESENTATIONS AND WARRANTIES

Each Party represents and warrants to the other Party that:

- 5.1 it has full right, power and authority to enter into and carry out this Agreement and has been and is on the date of this Agreement duly authorized by all necessary and appropriate corporate or other action to execute this Agreement;
- 5.2 it has no prior commitments, arrangements or agreements with any other person/entity which might interfere with, or preclude the carrying out of its obligations under this Agreement;
- 5.3 it has the requisite approvals, licenses, experience, knowledge, expertise, capability, availability of manpower and infrastructure necessary to effectively and properly perform its obligations hereunder; and
- 5.4 it shall, at all times, and at its own expense strictly comply with all applicable laws relating to its performance of this Agreement.


Each Party agrees to inform the other Party immediately if any statement set forth in this Clause ceases to be true and correct as of any date after the Execution Date hereof.

6. INTELLECTUAL PROPERTY RIGHTS

6.1 **Joint Ownership:** Intellectual property (IP) in any documents, materials, records, programs, or in any process, method or application, or otherwise, developed by SRM-AP in performing this Agreement, ownership of any IPR created under this Agreement or which SRM-AP helps SRM Tech to develop, as part of performing this Agreement, lies jointly with both the parties. SRM-AP will register the IPR in their joint names (with the names of the research responsible noted as the

 **R. PREMKUMAR**
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

For SRM Technologies Pvt. Ltd.


Authorized Signatory

Inventor). To give effect to this Clause, SRM-AP shall take all necessary steps to ensure the registration of IP in joint names including defending against objections if any.

6.2 Background IP: Background IP belonging to the respective Parties and which is not developed or a part of the IPR created under this Agreement shall vest solely with the respective Parties. Should any part of SRM-AP's Background IP be required for the performance of this Agreement; SRM-AP shall license SRM Tech to use its Background IP upon terms and conditions mutually agreed between the Parties. Parties shall negotiate license amount and/or the royalty to be paid to SRM-AP under such circumstances.

6.3 Use: SRM Tech shall have the unrestricted, unlimited and unconditional right to use the joint patent in its marketing and sale of products as per the terms mentioned in section 7.2.

7. TERMINATION


SRM Tech shall be entitled to terminate this Agreement:

- 7.1 if SRM-AP fails to work on the Project as per the time schedule stipulated here in and in accordance with the terms and conditions herein; or
- 7.2 if SRM-AP is in breach of its obligations under this Agreement, which breach has a material adverse effect on SRM Tech and/or, is not remedied by SRM-AP within 30 days from the date of receipt of notice calling upon SRM-AP to rectify the breach, provided such breach is rectifiable; or
- 7.3 if SRM-AP makes any misrepresentation under this Agreement; or
- 7.4 if due to Force Majeure the Project is not being working upon by SRM for a consecutive 30 (thirty) days, then SRM Tech shall have the right to terminate this Agreement; or
- 7.5 if the Agreement needs to be cancelled for any reason, then SRM Tech shall give 30 (thirty) days' notice to SRM-AP.
- 7.6 Either party may terminate this agreement at any time by giving 30 days' prior written notice to the other party.

A final invoice will be prepared by SRM-AP encompassing fees for the research activity completed up to and including notification period and SRM Tech shall arrange to make payment, accordingly.

8. RESTRICTED INFORMATION / CONFIDENTIALITY

- 8.1 "Restricted Information" includes information concerning this Agreement, Project, processes involved, outcome of the Project, the business operations of either Party and information with respect to technical data, designs, specifications, software programs and samples and any other information shared by the Disclosing Party during the course of this Agreement.
- 8.2 The Parties recognize that each of them ('Receiving Party') may, during the course of this Agreement, gain knowledge of, have access to, and have otherwise disclosed to it certain non-public information that is proprietary to the other Party ("Disclosing Party") and which is of a confidential nature.
- 8.3 Receiving Party acknowledges the confidential nature of the Restricted Information and shall treat as confidential all Restricted Information of the Disclosing Party and shall not use such Restricted Information except as set forth herein, and shall not disclose such Restricted Information to any third party without the prior written consent of the Disclosing Party.
- 8.4 Receiving Party shall use at least the same degree of care which it uses to prevent the disclosure of its own comparable restricted information to prevent unauthorized or inadvertent disclosure of the Restricted Information, but in no event less than reasonable care.


DR. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

For SRM Technologies Pvt. Ltd.

Authorized Signatory

- 8.5 Receiving Party shall promptly notify the Disclosing Party of any actual or suspected misuse or unauthorized disclosure of the Disclosing Party's Restricted Information.
- 8.6 The confidentiality obligation shall continue during the Term of this Agreement.

9. FORCE MAJEURE

SRM Tech or SRM-AP shall not be liable for any failure to perform this Agreement as a result of Act of God, Act of State, War or other contingencies not within the reasonable control of both the Parties to this Agreement ("Force Majeure"). If the above said contingencies continue to exist for more than 30 (thirty) days, then the Parties will decide whether to continue with the Project or not.

10. INDEMNITY

Both parties hereby undertake to indemnify each other against liability in connection with:

- 10.1 Committing any breach or contravention of its contractual obligations or the applicable laws;
- 10.2 Any negligent and/or misconduct act or commission or omission, or default on the part of either party and/or its personnel;
- 10.3 Any death or illness of or injury to any person and the loss of or damage to any property arising out of or in connection with any act or default of either party and/or its personnel; and
- 10.4 Any loss or damage caused to either party due to infringement or violation of any intellectual property rights or disclosure of any Restricted Information.


11. GENERAL:

- 11.1 Neither the Agreement, nor any of the rights and obligations of the Parties, will be assigned, delegated or transferred by either Party without the written consent of the other.
- 11.2 No provision in the Agreement will confer rights on any third party unless it is expressly stated to do so. Any statutory provision or legal rule to the contrary will be excluded.
- 11.3 This Agreement supersedes any and all agreements, either oral or in writing, between the Parties hereto, with respect to the work done on the Project by SRM-AP for SRM Tech, and contains all of the covenants and agreements between the Parties with respect to the Project in any manner whatsoever.
- 11.4 All Notices and other communications required or permitted under this Agreement shall be deemed to be given only when given in writing and sent by registered post acknowledgement due to the designated Party at the addresses set below:

To SRM TECH
SRM Technologies
Campus 1A, 5th Floor, RMZ Millenia Business Park,
No. 143, MGR Main Rd, Kandhanchavadi, Perungudi,
Chennai, Tamil Nadu 600096
Kind Attention: S. Kalyanasundaram, COO

To SRM-AP
SRM University - AP
Neerukonda, Mangalagiri
Guntur District

For SRM Technologies Pvt. Ltd.


Authorized Signatory
4
Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

Andhra Pradesh – 522 502

Kind Attention: Dr. R. Premkumar, Registrar

12. ARBITRATION

Any dispute or differences that may arise during implementation or the interpretation of the provisions of this Agreement shall be resolved by the parties through mutual consultations and in good faith. On failure the parties may request that the matter be settled in an arbitration proceeding in accordance with the rules and under the provisions of the Arbitration & Conciliation Act, 1996 or any other enactment or statutory modification thereof made by the Government. The Venue of arbitration shall be Chennai, India.

13. GOVERNING LAW AND JURISDICTION

This Agreement shall be governed by and construed in accordance with the laws of India. All disputes, differences and questions that may arise between the Parties hereto or their respective representatives or permitted assigns or any of them in regard to these presents or its subject matter and / or interpretation thereof in any way whatsoever shall be subject to the exclusive jurisdiction of the Courts at Chennai.

14. Counterparts

This Agreement shall be executed in two (2) counterparts and each of which shall constitute the original but both of which when taken together shall constitute one and the same agreement.

IN WITNESSES WHEREOF, the Parties have signed this Agreement on the date, month and year first above written in the presence of the following witnesses:

For and on behalf of SRM Technologies




S. Kalyanasundaram
COO
SRM Technologies, Chennai

For and on behalf of the 'SRM-AP'
SRM University-AP, Andhra Pradesh




Dr. R. Premkumar
Registrar
SRM University - AP

Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240


Date: 07th August 2023

Internship Certificate

This is to acknowledge that **Mr. Mutnuru Krishna Vamsi (Registration Number: AP21110030010)** student of SRM University, Andhra Pradesh 3rd year – B. Tech (Mechanical Engineering) has successfully completed his internship with project in our company 45 days duration from **(22nd June 2023 to 5th August 2023)**.

We wish him all the very best for the bright future.

For SRM Technologies Pvt Ltd



Deokant Verma
Senior Manager - Human Resources



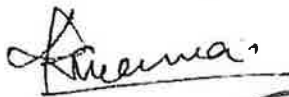
Date: 07th August 2023

Internship Certificate

This is to acknowledge that **Mr. Mutnuru Krishna Vamsi (Registration Number: AP21110030010)** student of SRM University, Andhra Pradesh 3rd year – B. Tech (Mechanical Engineering) has successfully completed his internship with project in our company 45 days duration from (22nd June 2023 to 5th August 2023).

We wish him all the very best for the bright future.

For SRM Technologies Pvt Ltd



Deokant Verma
Senior Manager - Human Resources



Date: 07th August 2023

Internship Certificate

This is to acknowledge that **Mr. Mali Bharath Kumar (Registration Number: AP21110030022)** student of SRM University, Andhra Pradesh 3rd year – B. Tech (Mechanical Engineering) has successfully completed his internship with project in our company 45 days duration from **(22nd June 2023 to 5th August 2023)**.

We wish him all the very best for the bright future.

For SRM Technologies Pvt Ltd



Deokant Verma

Senior Manager – Human Resources



SRM Technologies Private Limited

Global Head Quarters : Campus 1A 5th Floor RMZ Millenia Business Park No. 143 M.G.R. Main Road Kandanchavadi Perungudi Chennai - 600096. Tel : +91 44 4010 3000

Registered Office : No. 24 GN Chetty Road T. Nagar Chennai - 600 017 Tamil Nadu India | CIN Number U30009TN1999PTC042497



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

STUDY ABROAD AGREEMENT

between

THE UNIVERSITY OF WAIKATO, NEW ZEALAND

and

SRM UNIVERSITY - AP, ANDHRA PRADESH, INDIA

PARTIES

- (1) **THE UNIVERSITY OF WAIKATO (NEW ZEALAND)** a tertiary education institution established as a university under the University of Waikato Act 1963 and operating under the Education and Training Act 2020, whose address for service is Knighton Road, Hamilton ("Waikato").
- (2) **SRM UNIVERSITY - AP, ANDHRA PRADESH (INDIA)** a tertiary educational institution organised and existing under the laws of India with principal office at SRM University – AP, located at Mangalagiri Neerukonda Rd, Mangalagiri, Mandal, Andhra Pradesh 522502, India, herein represented by its Registrar, Dr. R. Premkumar ("Home Institution").

BACKGROUND

- A. The parties acknowledge the academic and personal value for students in providing them with the opportunity to participate in a programme to study at an institution abroad.
- B. The parties wish to enter into this Agreement to set out the terms and conditions relating to the enrolment of students from the Home Institution at Waikato.
- C. This Agreement is based on the principle of mutual respect and the intention that both Waikato and the Home Institution will benefit from enhanced academic cooperation between the parties.

AGREEMENT

1. DEFINITIONS

"Confidential Information" means all know-how, financial information and other commercially or academically valuable or sensitive information in whatever form, held by a party which has been or will in the future be disclosed by that party to another party that the party disclosing that information specifies as confidential or in the circumstances the parties ought to regard as confidential, but does not include:

- (a) information which is in the public domain prior to its disclosure by a party to another party or which enters the public domain after its disclosure, otherwise than as a result of an unauthorised disclosure by a party to this Agreement; and
- (b) information which is rightfully known by a party (as shown by its written record) prior to the date of disclosure where that party has the lawful power to disclose such information on a non-confidential basis;



“Force Majeure Event” means an event or circumstance which is beyond the reasonable control of the party claiming the benefit of the Force Majeure Event, but excludes a lack of funds for any reason;

“Key Personnel” means those individuals employed by either Waikato or the Home Institution whose contact details are listed in Appendix One;

“Study Abroad Programme” means a programme of study for a student from an academic institution overseas enrolled to study at Waikato;

“Study Abroad Student” means a student from an academic institution overseas enrolled to study at Waikato;

“Working Day” means any day other than a Saturday, Sunday, or public holiday applying in the Waikato and Bay of Plenty regions.

2. ENROLMENT

2.1 Study Abroad Students can choose to enrol at Waikato for either one or two trimesters:

- (a) Trimester A – February to June; and/or
- (b) Trimester B – July to November,

or as otherwise set out in Appendix Two.

2.2 Study Abroad Students will continue as candidates for degrees of their Home Institution and will not be candidates for degrees of Waikato.

3. ELIGIBILITY

3.1 To be eligible to enrol at Waikato under the Study Abroad Programme, each student applying to be a Study Abroad Student must have:

- (a) successfully completed at least one full time year of university study, or its equivalent; and
- (b) maintained the equivalent of a B grade average (70-74%) as certified by the student’s Home Institution.

3.2 Notwithstanding clause 3.1 Waikato reserves the right to determine the final admission eligibility of each student applying to participate in the Study Abroad Programme.

nmty



3.3 Students who wish to enrol in taught post graduate study may participate in the Study Abroad Programme on the terms of this Agreement.

4. APPLICATION AND ADMISSION

4.1 Applications for the Study Abroad Programme must be received by Waikato before:

- (a) 1 December for study commencing in Trimester A of the following year; or
- (b) 1 May for study commencing in Trimester B,

or as otherwise set out in Appendix Two.

4.2 Each student applying for the Study Abroad Programme will need to complete a set of application papers which will usually include:

- (a) University of Waikato application form;
- (b) Original or verified copy of official academic transcript from the Home Institution;
- (c) Copy of passport;
- (d) Study Abroad paper selection form; and
- (e) Other supporting letters and academic background materials relevant to specific course selections, as requested during the application process.

4.3 Students must provide evidence of English language proficiency, which may vary between degrees. A full list of English language entry requirements can be found online at: <https://www.waikato.ac.nz/study/enrolment/undergraduate-international>


5. WAIKATO OBLIGATIONS

5.1 Waikato will provide Study Abroad Students with documents such as letters of admission that may be required for establishing status as students for visa and other purposes. Waikato will send any such documents to the Key Personnel as outlined in Appendix One.

5.2 Waikato will assign Study Abroad Students to the appropriate school, faculty, or department, and to appropriate academic advisers.

5.3 Waikato will ensure that all usual and appropriate student services and facilities will be made available to Study Abroad Students.

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5.4 At the completion of each respective Study Abroad Programme, Waikato will send an academic transcript to the Key Personnel.

6. ACCOMMODATION

6.1 Waikato will provide accommodation in on-campus facilities for Study Abroad Students, as long as applications are received before the application deadlines as set out in Appendix Two.

6.2 If Study Abroad Students choose to live off-campus, Waikato will provide support and assist the Study Abroad Students as required.

6.3 Waikato will assist Study Abroad Students to settle into the local environment.

7. COSTS

7.1 Study Abroad Students will be required to pay tuition and other fees and charges applicable for the year they are enrolled. The fees are subject to change and are made available on Waikato's website at:

<https://www.waikato.ac.nz/study/costs/tuition-costs-international>

7.2 Each Study Abroad Student will be responsible for their own costs relating to:

- (a) international travel;
- (b) insurance;
- (c) accommodation;
- (d) field trips and special course costs; and
- (e) all personal costs (books, travel, clothing, etc.).

7.3 All Study Abroad Students are required to have medical/health and travel insurance for the duration of the Study Abroad Programme as required by Waikato. Students will be required to pay for medical/health costs that may not be covered by their insurance. Information regarding insurance requirements are set out on Waikato's website:

<https://www.waikato.ac.nz/international/preparing-to-come-to-nz/insurance-policies-for-international-students/studentsafe>

7.4 Payment of tuition and other agreed programme fees will be made by the Study Abroad Students prior to arrival at Waikato.



7.5 Payment for accommodation will be made directly to Waikato by each Study Abroad Student.

8. **CONDUCT**

8.1 All students participating in the Study Abroad Programme will be expected to abide by the laws and customs of New Zealand and by the policies and regulations of Waikato.

9. **CONFIDENTIALITY**

9.1 The parties will not use or disclose Confidential Information that comes into its possession other than for the purpose of giving effect to this Agreement.

10. **DISPUTE RESOLUTION**

10.1 The parties agree to use their best endeavours to resolve any dispute arising out of this Agreement through good faith discussion and will engage in negotiation and mediation before considering other means of dispute resolution. Both parties will, in so far as practicable, continue to comply with their obligations under this Agreement until the dispute is resolved.

11. **TERM AND TERMINATION**

11.1 This Agreement will commence on the date of signing by both parties and will continue indefinitely, unless terminated by the parties under one of the termination clauses provided in this Agreement.

11.2 Either party may terminate this Agreement immediately by notice in writing if the other party:

- (a) is closed down by the Government or its appointed agency or merges with another institution;
- (b) has a commissioner appointed pursuant to section 290 of the Education and Training Act 2020;
- (c) commits a material breach of this Agreement and (if the breach is capable of being remedied) fails to remedy such breach to that party's satisfaction within 15 Working Days of notice requiring remedy of it.

11.3 Notwithstanding any other provision, this Agreement may be terminated by either party giving six months' notice in writing to the other.

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11.4 In the event of termination of this Agreement, each party shall have due regard to the interests of the Study Abroad Students who are currently enrolled on the Study Abroad Programme and provide all reasonable assistance to each other to facilitate the transfer of the Study Abroad Students and the winding up of this Agreement.

12. VARIATION

12.1 This Agreement may be varied at any time by written agreement between the parties.

13. GOVERNING LAW

This Agreement is subject to and shall be interpreted in accordance with the laws of New Zealand.

14. CODE OF PRACTICE

14.1 The parties acknowledge that the University of Waikato is a signatory to the "*Education (Pastoral Care of Tertiary and International Learners) Code of Practice 2021*". Copies are available from the Ministry of Education website at:

<https://www.education.govt.nz/further-education/information-for-tertiary-students/code-of-practice-pastoral-care-domestic-tertiary/>

15. RELATIONSHIP BETWEEN THE PARTIES

15.1 The parties are entering and performing this Agreement as independent collaborators and will not under any circumstances be construed as agents, partners, employees, or fiduciaries of each other.

16. NOTICES

16.1 **Method of notice:** Notices, communication documents or demands required to be made or served pursuant to this Agreement must be in writing signed by the party giving the notice or by any officer or solicitor of that party. Any notice or document will be deemed to be duly given or made:

- (a) if delivered by hand, when so delivered;
- (b) if sent by post, on the tenth Working Day following posting;



- (c) in the case of a communication by email, when transmitted with no indication of incomplete transmission to the recipient's last known email address.

16.2 **Address for notices:** Notices, communication documents or demands will be given to the Key Personnel at the addresses and numbers set out in Appendix One. Any party may change its notified addresses and/or numbers by notice in writing served on the other party.

17. **ASSIGNMENT**

17.1 Neither party may sell, transfer, assign, license, sub-contract, or otherwise part with possession of any right, duty or obligation under this Agreement to a third party without the other party's prior written consent.

18. **WAIVER**

18.1 No delay, neglect, or forbearance by either party in enforcing against the other party any provision of this Agreement will be a waiver, or in any way prejudice any right, of that party. None of the provisions of this Agreement will be considered to be waived by a party except when such waiver is given in writing and signed by an authorised person for that party.

19. **FORCE MAJEURE**

19.1 Neither party will be liable for any failure or delay in complying with any obligation imposed on it under this Agreement if the failure or delay arises from a Force Majeure Event. If a party fails substantially to meet an essential obligation under this Agreement continuously for three months as a result of a Force Majeure Event despite meeting all its obligations under this clause, the other party may give one month's notice terminating this Agreement.

20. **SEVERANCE**

20.1 If any provision of this Agreement is found to be illegal, invalid or unenforceable, that provision will be read down to the extent necessary and reasonable in all circumstances to give it a valid operation or partial character. If any provision cannot be read down, that provision will be void and severable and the remaining provisions will not in any way be affected or impaired.



21. **SURVIVORSHIP**

21.1 Termination of this Agreement for any reason (including in the event of misrepresentation) will not affect the rights and obligations of the parties as are intended to survive the termination.

22. **ENTIRE AGREEMENT**

22.1 This Agreement constitutes the entire agreement between the parties and replaces previous arrangements between the parties which may have existed.

23. **COUNTERPARTS**

23.1 This Agreement may be executed in counterparts (which may be electronic copies) and all of which, when taken together constitute the one document.

EXECUTED AS AN AGREEMENT

SIGNED by
SRM UNIVERSITY - AP, ANDHRA PRADESH

SIGNED by
UNIVERSITY OF WAIKATO



Dr. R. Premkumar
Registrar
Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

Professor Allster Jones
Senior Deputy Vice-Chancellor

Date **20.04.2023**

March 15, 2023
Date

Appendix One
Key Personnel Contact Details

UNIVERSITY OF WAIKATO

MANAGEMENT OF STUDY ABROAD PROGRAMME

Ms Charlotte Blackwell
Global Experiences Officer
International Office
Tel: +64 7 837 9405
Email: studyabroad@waikato.ac.nz
Email: charlotte.blackwell@waikato.ac.nz

STUDENT SUPPORT

Mr TJ Cloete
International Student Services Manager
International Student Services Office
Email: internationalstudent@waikato.ac.nz

ADMISSIONS

Ms Lisa Hoy
Admissions Office
Student Services Division
Tel: +64 7 838 4466 Ext 4622
Email: lisa.hoy@waikato.ac.nz

AGREEMENT

Ms Anna Carlaw
Global Agreements Officer
International Office
Email: anna.carlaw@waikato.ac.nz

University of Waikato
Private Bag 3105
Hamilton 3240
New Zealand

University of Waikato
The Gateway Building
Gate 5, Hillcrest Road
Hamilton 3216
New Zealand

SRM UNIVERSITY - AP, ANDHRA PRADESH

INTERNATIONAL RELATIONS AND HIGHER STUDIES

Dr. Naga Swetha Paspuleti
Associate Director
International Relations and Higher Studies Office
Tel: +91-9871018881
Email: assocdirector@srmap.edu.in

STUDENT SUPPORT

Ms. Bhavna Deepa Mani
International Students Counsellor
International Relations and Higher Studies Office
Email: bhavanadeepa.m@srmap.edu.in

ADMISSIONS

Mr. Balabhiram
International Student Admission Manager
Student Services Division
Email: balabhiram.e@srmap.edu.in

AGREEMENT

Mr. Amit Gupta
Assistant Manager – International Partnership
International Relations and Higher Studies Office
Email: amit.b@srmap.edu.in

POSTAL ADDRESS

SRM University – AP, Andhra Pradesh
Neerukonda, Mangalgiri Mandal
Gunture District, Mangalgiri
Andhra Pradesh, India 522240

COURIER ADDRESS

SRM University – AP, Andhra Pradesh
Neerukonda, Mangalgiri Mandal
Gunture District, Mangalgiri
Andhra Pradesh, India 522240

Appendix Two
Academic and Accommodation Application Timeframes

NOMINATION AND APPLICATION DEADLINES

Trimester A

Nomination deadline: 1 November

Application deadline: 1 December

Trimester B

Nomination deadline: 1 April

Application deadline: 1 May

ACADEMIC YEAR

The academic year at Waikato begins in late February, with Trimester A, and ends in early February the following year, with the conclusion of Trimester C.

SEMESTER/TRIMESTER DATES

Trimester A

Start late February/early March.

End late June.

Trimester B

Start early July.

End early November.

Trimester C

Start late November.

End early February.

Note that Trimester C is not usually suitable for study abroad students.

**Appendix Three
Invoice Details**

If you choose to pay fees on behalf of the student, please indicate in the below table which fees will be paid by the institution and which fees will be paid by the student.

Invoice Item		Paid by
Study Abroad Fee (Tuition and Student Services Levy)		Student
Insurance (Studentsafe)		Student
Gym Membership		Student
Accommodation	Rent/Fees	Student
	Deposit	Student
	Admin Fee	Student
	Linen Pack	Student
	Activity Fee	Student

Semester Abroad Program (SAP) - Spring 2024

“Make your January to June Semester International”.

New Zealand

*Last date to Apply (SRM AP Student Portal) – **September 23, 2023**

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accomo.)	Total Cost (Approx)
1	University of Waikato	331	2022	4	B.Tech.	Civil Engineering	8.5	6,55,000	4,70,000	11,50,000
			2022	4	B.Tech.	Mechanical Engineering	8.5			

x

*Student applying to SAP should have **NO** existing backlog.

*Please submit your application through SRMAP Student Portal by no later than Saturday, 23 September 2023. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.



THE UNIVERSITY OF
WAIKATO
Tē Whare Wānanga o Waikato

Krishanu Roy
Hamilton, New Zealand
Telephone +64 223917991
Email kris.roy@waikato.ac.nz
The University of Waikato
School of Engineering
Hamilton 3216
New Zealand

Dear Tulasi Valluru,

We are pleased to offer you an internship at the University of Waikato in the School of Engineering. Your internship shall commence on 6th February, 2023 and shall end on 5th May, 2023. The terms and conditions of your internship with the University are set forth below:

1. Subject to your acceptance of the terms and conditions contained herein, your project and responsibilities during the term will be determined by the supervisor assigned to you for the duration of the internship.
2. The internship cannot be construed as an employment or an offer of employment with the University of Waikato.

Please confirm your acceptance of the terms of this offer by 1st February, 2023. We look forward to having you on our team. If you have any questions, please feel free to reach out to us.

Thank you.
Best Regards,

Krishanu Roy

Dr. Krishanu Roy
Senior Lecturer
School of Engineering,
The University of Waikato
Hamilton 3216
New Zealand
Phone: +64 223917991
Email: kris.roy@waikato.ac.nz



Krishanu Roy
Hamilton, New Zealand
Telephone +64 223917991
Email kris.roy@waikato.ac.nz
The University of Waikato
School of Engineering
Hamilton 3216
New Zealand

Dear Praneeth Vadapalli,

We are pleased to offer you an internship at the University of Waikato in the School of Engineering. Your internship shall commence on 6th February, 2023 and shall end on 5th May, 2023. The terms and conditions of your internship with the University are set forth below:

1. Subject to your acceptance of the terms and conditions contained herein, your project and responsibilities during the term will be determined by the supervisor assigned to you for the duration of the internship.
2. The internship cannot be construed as an employment or an offer of employment with the University of Waikato.

Please confirm your acceptance of the terms of this offer by 1st February, 2023. We look forward to having you on our team. If you have any questions, please feel free to reach out to us.

Thank you.
Best Regards,

Krishanu Roy

Dr. Krishanu Roy
Senior Lecturer
School of Engineering,
The University of Waikato
Hamilton 3216
New Zealand
Phone: +64 223917991
Email: kris.roy@waikato.ac.nz



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

Krishanu Roy
Hamilton, New Zealand
Telephone +64 223917991
Email kris.roy@waikato.ac.nz
The University of Waikato
School of Engineering
Hamilton 3216
New Zealand

Dear Dhathrika Varma,

We are pleased to offer you an internship at the University of Waikato in the School of Engineering. Your internship shall commence on 20th March, 2023 and shall end on 24th June, 2023. The terms and conditions of your internship with the University are set forth below:

1. Subject to your acceptance of the terms and conditions contained herein, your project and responsibilities during the term will be determined by the supervisor assigned to you for the duration of the internship.
2. The internship cannot be construed as an employment or an offer of employment with the University of Waikato.

Please confirm your acceptance of the terms of this offer by 17th March, 2023. We look forward to having you on our team. If you have any questions, please feel free to reach out to us.

Thank you.
Best Regards,

Krishanu Roy

Dr. Krishanu Roy
Senior Lecturer
School of Engineering,
The University of Waikato
Hamilton 3216
New Zealand
Phone: +64 223917991
Email: kris.roy@waikato.ac.nz



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

Krishanu Roy
Hamilton, New Zealand
Telephone +64 223917991
Email kris.roy@waikato.ac.nz
The University of Waikato
School of Engineering
Hamilton 3216
New Zealand

Dear Abhiram sai venkata subhash alapati,

We are pleased to offer you an internship at the University of Waikato in the School of Engineering. Your internship shall commence on 20th March, 2023 and shall end on 24th June, 2023. The terms and conditions of your internship with the University are set forth below:

1. Subject to your acceptance of the terms and conditions contained herein, your project and responsibilities during the term will be determined by the supervisor assigned to you for the duration of the internship.
2. The internship cannot be construed as an employment or an offer of employment with the University of Waikato.

Please confirm your acceptance of the terms of this offer by 17th March, 2023. We look forward to having you on our team. If you have any questions, please feel free to reach out to us.

Thank you.
Best Regards,

Krishanu Roy

Dr. Krishanu Roy
Senior Lecturer
School of Engineering,
The University of Waikato
Hamilton 3216
New Zealand
Phone: +64 223917991
Email: kris.roy@waikato.ac.nz



THE UNIVERSITY OF
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Krishanu Roy
Hamilton, New Zealand
Telephone +64 223917991
Email kris.roy@waikato.ac.nz
The University of Waikato
School of Engineering
Hamilton 3216
New Zealand

Dear Mallarapu Tanoogna,

We are pleased to offer you an internship at the University of Waikato in the School of Engineering. Your internship shall commence on 6th February, 2023 and shall end on 5th May, 2023. The terms and conditions of your internship with the University are set forth below:

1. Subject to your acceptance of the terms and conditions contained herein, your project and responsibilities during the term will be determined by the supervisor assigned to you for the duration of the internship.
2. The internship cannot be construed as an employment or an offer of employment with the University of Waikato.

Please confirm your acceptance of the terms of this offer by 1st February, 2023. We look forward to having you on our team. If you have any questions, please feel free to reach out to us.

Thank you.
Best Regards,

Krishanu Roy

Dr. Krishanu Roy
Senior Lecturer
School of Engineering,
The University of Waikato
Hamilton 3216
New Zealand
Phone: +64 223917991
Email: kris.roy@waikato.ac.nz



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

Arthur Fang
Hamilton, New Zealand
Telephone +64 226094852
Email afang@waikato.ac.nz
The University of Waikato
School of Engineering
Hamilton 3216
New Zealand

Krishanu Roy
Hamilton, New Zealand
Telephone +64 223917991
Email kris.roy@waikato.ac.nz
The University of Waikato
School of Engineering
Hamilton 3216
New Zealand

Dated:20/6/2023

To Whom It May Concern

This is to certify that **Tulasi Valluru** has worked as an intern in the School of Engineering, University of Waikato.

Tulasi has worked on "Numerical modelling of cold-formed steel structures" from 9th March, 2023 to 1st June under my supervision. Her performance in this project is satisfactory. She is a good team player and has worked well with Mr. Bikram Paul and Dr. Kushal Ghosh. As she has developed as a researcher, she has demonstrated that she now acting as a researcher, able to conduct research projects.

Sincerely

Dr Arthur Fang

Postdoctoral fellow

The University of Waikato

Telephone +64 22 609 4852

Email: afang@waikato.ac.nz

Signature: 

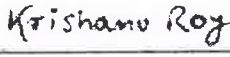
Dr Krishanu Roy

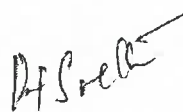
Senior Lecturer

The University of Waikato

Telephone +64 22 391 7991

Email: krishanu.roy@waikato.ac.nz

Signature: 



Director

International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

The Directorate of International Relations & Higher Studies

Date: 23-11-2023

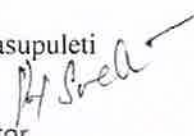
Note Sheet

The following students have completed their virtual Internship under our partner university at University of Waikato, New Zealand.

S.N.	Name of the Student	Enrollment Number	Name of Department	Start date of Internship	End Date of Internship
1	Tulasi Valluru	AP19110050004	Civil Engineering	9 th March 2023	1 st June 2023

The supporting documents are attached for your reference.


Submitted by
Nishant Mankar
Program Coordinator
International Internship Program

Approved by
Dr. Naga Swetha Pasupuleti
Director-IRHS

Director
International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

MEMORANDUM OF UNDERSTANDING

BETWEEN

UNIVERSITI TEKNOLOGI MARA

AND

SRM UNIVERSITY – AP, Andhra Pradesh

**ON FRIENDSHIP AND COOPERATION, PROMOTION OF
MUTUAL UNDERSTANDING, ACADEMIC, CULTURAL
AND SCIENTIFIC THOUGHT AND PERSONNEL
EXCHANGE**

This **Memorandum of Understanding** is executed

BETWEEN

UNIVERSITI TEKNOLOGI MARA (hereinafter referred to as "UiTM"), an institution of higher learning established under the Universiti Teknologi MARA Act 1976 whose address is at Chancellery, Universiti Teknologi MARA, 40450 Shah Alam, Selangor Malaysia and shall include its lawful representatives and permitted assigns;

AND

SRM UNIVERSITY – AP, Andhra Pradesh (hereinafter referred to as "SRM AP"), an educational institution organized and existing under the laws of India whose address is at SRM University -AP, located at Mangalagiri Neerukonda Tadikonda Rd, Mangalagiri, Mandal, Andhra Pradesh 522502, India and shall include its lawful representatives and permitted assigns;

(hereinafter referred to singularly as "the Party" and collectively as "the Parties")

WHEREAS

- A. UiTM is an established University with a track record of educational excellence and research and with a dynamic programme of collaborative arrangements with many international counterparts.
- B. SRM AP is a multi-stream research university with a focus on diverse fields. From Engineering to Sciences and Liberal Arts to Management, SRM University-AP's vision is to emerge as a world-class university that is globally connected, nationally relevant, and regionally transformative. It has an ambitious plan to be in the top world-class universities in ten years.
- C. The Parties are desirous of entering this Memorandum of Understanding to declare their respective intentions and to establish a basis of cooperation and collaboration between the Parties upon the terms as contained herein.



[Handwritten signature]

NOW THIS MOU WITNESSES AS FOLLOWS:

ARTICLE 1: OBJECTIVE

The Parties, subject to the terms of this Memorandum of Understanding and the laws, rules, regulations and national policies from time to time in force in each party's country, shall endeavour to strengthen, promote and develop academic, cultural and research co-operation between the Parties on the basis of equality and mutual benefit.

ARTICLE 2: AREAS OF COOPERATION

- 2.1 Both parties agree to encourage the following activities, in particular, to promote international academic cooperation in the following areas :
- a) institutional exchanges between faculty and staff from each partner institution;
 - b) acceptance of undergraduate and graduate students of each partner institution for periods of study and/or research;
 - c) organization of symposia, conferences, short courses and meetings on research issues;
 - d) exchange of information pertaining to developments in teaching, student development and research institutions;
 - e) mutually promote information and activities of partner universities within the MoU on their respective websites
 - f) joint research project; and
 - g) cooperation in any other areas as agreed to by the Parties from time to time.
- 2.2 For the purpose of implementing the co-operation in respect of any areas stated in paragraph 2.1 the Parties shall enter into legally binding agreements subject to terms and conditions as mutually agreed upon by the parties including clauses on "confidentiality", "suspension", "protection of intellectual property rights" and "settlement of disputes".



[Handwritten signature]

ARTICLE 3: FINANCIAL ARRANGEMENTS

- 3.1 This Memorandum of Understanding shall not give rise to any financial obligation by one Party to the other.
- 3.2 Each Party shall bear its own cost and expenses in the implementation of this Memorandum of Understanding.

ARTICLE 4: EFFECT OF MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding serves only as a record of the Parties' intentions and does not constitute or create, any legally binding or enforceable obligations, express or implied, under domestic or international law.

ARTICLE 5: NO AGENCY

Nothing contained herein is to be construed so as to constitute a joint venture partnership or formal business organization of any kind between the Parties or so to constitute either party as the agent of the other.

ARTICLE 6: ENTRY INTO EFFECT AND DURATION

- 6.1 This Memorandum of Understanding shall become effective as of the date of signatures of both parties, or if the dates vary, then the date of the later signature.
- 6.2 This Memorandum of Understanding shall remain in effect for a period of **THREE (3) years.**
- 6.3 This Memorandum of Understanding may be extended for such further period as may be agreed upon in writing by both parties.



A handwritten signature in black ink, consisting of several loops and a long horizontal stroke at the end.

ARTICLE 7: TERMINATION

This Memorandum of Understanding may be terminated by either party with a minimum of THIRTY (30) days written notice. Activities in progress at the time of termination of this Memorandum of Understanding shall be permitted to conclude as planned unless otherwise agreed.

ARTICLE 8: NOTICES

Any communication under this Memorandum of Understanding shall be in writing in the English language and delivered by registered mail to the address or sent to the electronic mail address or facsimile number of Universiti Teknologi MARA or the electronic mail address or facsimile number of SRM University - AP, Andhra Pradesh, as the casemay be, shown below or to such other address or electronic mail address or facsimile number as either Party may have notified the other Party and shall, unless otherwise provided herein, be deemed to be duly given or made when delivered to the recipient at such address or electronic mail address or facsimile number which is duly acknowledged:

To Universiti Teknologi MARA :

Address : Smart Manufacturing Research Institute
Universiti Teknologi MARA
40450 Shah Alam, Selangor, Malaysia
Attention : Prof. Ir. Ts. Dr.-Ing. Yupiter HP Manurung
e-mail : yupiter.manurung@uitm.edu.my

To SRM University - AP, Andhra Pradesh:

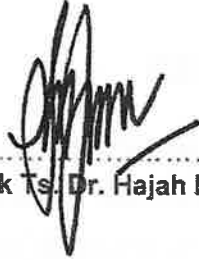
Address : Mangalagiri Neerukonda Tadikonda Rd, Mangalagiri,
Mandal, Andhra Pradesh 522502, India
Attention : Dr. Naga Swetha Pasupuleti
e-mail : assocdirector.ir@srmmap.edu.in



nmth

IN WITNESS WHEREOF this Memorandum of Understanding has been duly signed in duplicate at _____ on this 14 day of February in the year 2023

Signed By
For and on behalf of
**UNIVERSITI TEKNOLOGI MARA
SHAH ALAM, SELANGOR,
MALAYSIA**



.....
**Prof. Datuk Ts. Dr. Hajah Roziah Mohd
Janor**

Vice Chancellor

Date: 14/2/2023

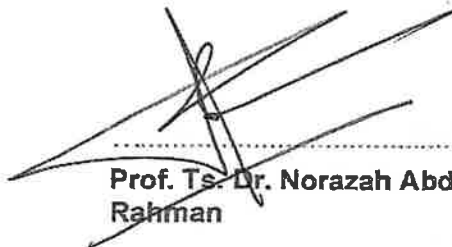
Signed By
For and on behalf of
**SRM UNIVERSITY - AP,
ANDHRA PRADESH,
INDIA**



.....
**Dr. R. Premkumar
Dr. R. PREMKUMAR
Registrar REGISTRAR
SRM UNIVERSITY - AP
Date: Andhra Pradesh - 522240**



Witnessed by :

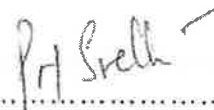


.....
**Prof. Ts. Dr. Norazah Abd
Rahman**

Deputy Vice-Chancellor (Research &
Innovation)

Date: 14.2.2023

Witnessed by :



.....
Dr. Naga Swetha Pasupuleti

Associate Director- (International
Relations & Higher Studies)

Date: Dec. 30th 2022

The Directorate of International Relations & Higher Studies

Date: 23-11-2023

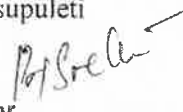
Note Sheet

The following students have completed their virtual Internship under our partner university at Universiti Teknologi Mara, Malaysia.

S.N.	Name of the Student	Enrollment Number	Name of Department	Start date of Internship	End Date of Internship
1	Pabbathi Bhuvanesh	AP19110030018	Mechanical Engineering	1st Nov 2022	30th April 2023
2	Aren Vardhan Pilli	AP19110030037	Mechanical Engineering	1st Nov 2022	30th April 2023
3	Srivella Harsha Vardhan	AP20110030018	Mechanical Engineering	1st Nov 2022	30th April 2023

The supporting documents are attached for your reference.

Submitted by
Nishant Mankar
Program Coordinator
International Internship Program

Approved by
Dr. Naga Swetha Pasupuleti
Director-IRHS

Director
International Relations and Higher Studies
SRM University-AP, Andhra Pradesh



UNIVERSITI
TEKNOLOGI
MARA

SMRI

■ Smart
■ Manufacturing
■ Research Institute

Certificate of Internship Completion

This is to certify that **MR. BHUVANESH PABBATHI** (Student ID : AP19110030018) successfully completed the internship at Smart Manufacturing Research Institute (SMRI), Universiti Teknologi MARA, Shah Alam, Malaysia from 1st November 2022 until 30th April 2023.

He had shown a good motivation, independency, and teamwork during his research internship. He managed to complete a team research project entitled "Micromechanics Simulations using open-source software based on Crystal Plasticity". His tasks include:

1. Installation of Virtual Box, Debian Operating System and Damask Software
2. Application of case studies on micromechanical simulation
3. Preparation of project report on Installing Damask Package In Debian Operating System

We wish him best of luck for his future.

Shah Alam, 2nd May 2023

PROF. IR. TS. DR.-ING. YUPITER HP MANURUNG
Director of Smart Manufacturing Research Institute
Universiti Teknologi MARA

International Relations and Higher Studies
SRM University-AP, Andhra Pradesh



الجامعة
UNIVERSITI
TEKNOLOGI
MARA

SMRI

■ Smart
■ Manufacturing
■ Research Institute

Certificate of Internship Completion

This is to certify that **MR. AREN VARDHAN PILLI** (Student ID : AP19110030037) successfully completed the internship at Smart Manufacturing Research Institute (SMRI), Universiti Teknologi MARA, Shah Alam, Malaysia from 1st November 2022 until 30th April 2023.

He had shown a good motivation, independency, and teamwork during his research internship. He managed to complete a team research project entitled "Micromechanics Simulations using open-source software based on Crystal Plasticity". His tasks include:

1. Installation of Virtual Box, Debian Operating System and Damask Software
2. Application of case studies on micromechanical simulation
3. Preparation of project report on Installing Damask Package In Debian Operating System

We wish him best of luck for his future.

Shah Alam, 2nd May 2023

PROF. IR. TS. DR.-ING. YUPITER HP MANURUNG
Director of Smart Manufacturing Research Institute
Universiti Teknologi MARA

Director
International Relations and Higher Studies
SRM University-AP, Andhra Pradesh



UNIVERSITI
TEKNOLOGI
MARA

SMRI

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■ Manufacturing
■ Research Institute

Certificate of Internship Completion

This is to certify that **MR. HARSHA VARDHAN SIRIVELLA** (Student ID : **AP20110030018**) successfully completed the internship at Smart Manufacturing Research Institute (SMRI), Universiti Teknologi MARA, Shah Alam, Malaysia from 1st November 2022 until 30th April 2023.

He had shown a good motivation, independency, and teamwork during his research internship. He managed to complete a team research project entitled "Micromechanics Simulations using open-source software based on Crystal Plasticity". His tasks include:

1. Installation of Virtual Box, Debian Operating System and Damask Software
2. Application of case studies on micromechanical simulation
3. Preparation of project report on Installing Damask Package In Debian Operating System

We wish him best of luck for his future.

Shah Alam, 2nd May 2023

PROF. IR. TS. DR.-ING. YUPITER HP MANURUNG
Director of Smart Manufacturing Research Institute
Universiti Teknologi MARA

Director
International Relations and Higher Studies
SRM University-AP, Andhra Pradesh



MEMORANDUM OF UNDERSTANDING

This agreement entered in to on 8th day of December 2022

BETWEEN

MING CHI UNIVERSITY OF TECHNOLOGY, TAIWAN

AND

SRM UNIVERSITY – AP, ANDHRA PRADESH, INDIA

ON

ACADEMIC AND RESEARCH COLLABORATION

(Hereafter referred to individually as party and collectively as parties)

Article 1

1.1. SRM University – AP, located in Neerukonda, Mangalagiri Mandal, Guntur District, Mangalagiri, Andhra Pradesh 522240 India and Ming Chi University of Technology located in 84 Gungjuan Rd., Taishan Dist., New Taipei City 243303, Taiwan, in the confident expectation that cooperation between their respective institutions will contribute to academic development and promote research related activities, have reached this Memorandum of Understanding.

1.2. The purpose of this Memorandum of Understanding is to set out the basic consensus about respective roles and responsibilities of the Parties in working cooperatively to develop and carry out collaborative activities in furtherance of the common interest of the institutions, by:

- a) Exchange of faculty members and students for study and research
- b) Exchange of invitations to scholars for lectures, talks and sharing of experience
- c) Promote and joint research activities and publications
- d) Exchange of information on professional experience in fields of interest to both institutions.
- e) Exchange of invitations to scholars to participate in conference and symposium

Article 2

2.1 In order to materialize such a cooperative relationship, the two parties agree on the following specifics:

- a) Each party will nominate one of its members as its representative in charge of the cooperative program. Individual programs of work under this Memorandum will be jointly planned and conducted by the nominees of both parties.
- b) Progress of work by the individual program will be reviewed and approved by designated project officers of both parties. It is anticipated that a detailed plan of joint activities will be completed



[Handwritten signature]

by the nominees of both parties.

- c) The final approval of any project will be dependent upon the availability of guaranteed support funds.
- d) Neither Ming Chi University of Technology nor SRM University - AP will be held responsible for any liability whatsoever; furthermore, neither party shall be required to purchase any insurance against loss or damage to any personal property to which this agreement relates.

2.2. Both Parties are committed to maintaining a constructive and cooperative working relationship.

2.3. Each specific Program and activity that is implemented under the terms of this MOU shall be mutually discussed by both parties.

Article 3

This Memorandum of Understanding commences in the date it is signed by representatives of each party and be effective for five years. It can be extended by mutual written consent of both parties.

This Memorandum of Understanding is effective as of the date of execution by the appropriate officer of each signatory institution.

Either party may terminate this agreement at any time by giving 90 days prior written notice to the other party. In the event of such termination either party has to fulfill their part of the obligation which arise during the term of the agreement or prior to the termination.

Article 4

4.1 This Memorandum of Understanding is subject to change, renewal, and termination by mutual consent. Any alteration of amendment to this MOU must be made in writing, then agreed to and accepted by both institutions.

4.2 This Memorandum of Understanding is signed in two identical copies in English, of which each signatory receives one copy.

Article 5

Financial arrangement: This Memorandum of Understanding shall not give rise to any financial obligation by one Party to the other. Each Party shall bear its own cost and expenses in the implementation of this Memorandum of Understanding

Article 6

Force Majeure: Neither party shall be held responsible for non-fulfillment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Epidemics, etc. provided on the occurrence and cessation of any such event the party affected thereby shall give notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.



[Handwritten signature]

nm



Registrar,
Dr. R. Premkumar
SRM University - AP, Andhra Pradesh
India. **Dr. R. PREMKUMAR**
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240
Date:

Th. Hua Liu

President
Prof. Thu-Hua Liu
Ming Chi University of Technology,
Taiwan



Date:



The Directorate of International Relations & Higher Studies

Dear Sir/Mam,

The Directorate of International Relations & Higher Studies in collaboration with Ming Chi University of Technology, Taiwan organized the MCUT Summer School Taiwan.

3 students have participated in this program from 3rd July to 12th July 2023.

Please find the details of the participants attached herewith:

Sl: No	Country	Start Date	End date	Duration of program	No. of students Participated
1	MCUT Taiwan	3rd July 2023	12th July 2023	10 Days	3

Regards,

Mr. Sandeep Samala,

Sr. Program Coordinator,

IR & HS Department.

 Directorate of International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

SRM University, AP - Andhra Pradesh, Neerukonda Post, Mangalagiri (MD), Guntur (DT),

Andhra Pradesh 522502, www.srmap.edu.in, Phone: 0863 - 234 300

MCUT Language and Culture Summer Camp 2023: Taiwan										
S.No	Full name of the student	Enrollment Number	Contact Number	Semester	Gender	Email ID (Enter SRM AP Mail ID Only)	Name of Department	Duration of Program		
1	Manideep Surusomayajula	AP20110010255	6301228028	5	Male	manideep_surusomayajula@srmap.edu.in	Computer Science and Engineering	3rd to 12th Jul 2023 (10 days)		
2	Manaswini Surusomayajula	AP20110020027	9392728175	5	Female	manaswini_s@srmap.edu.in	Electronics and Communication Engineering	3rd to 12th Jul 2023 (10 days)		
3	Gagan Veginati	AP20110010032	8500733744	5	Male	gagan_veginati@srmap.edu.in	Computer Science and Engineering	3rd to 12th Jul 2023 (10 days)		

[Handwritten Signature]

Directorate of International Relations and Higher Studies
SRM University-AP, Andhra Pradesh





明志科技大學
MING CHI UNIVERSITY OF TECHNOLOGY

新北市泰山區工專路 84 號
84 Gungjuan Rd., Taishan Dist., New Taipei 24301, Taiwan
Tel:886-2-2908-9899 | FAX:886-2-2904-1346

MING CHI UNIVERSITY OF TECHNOLOGY

LETTER OF INVITATION

Jun 2nd, 2023

Addressee: 3 students from SRM University, AP - Andhra Pradesh, India (Please refer to the next page for the name list of students.)

On behalf of Ming Chi University of Technology, New Taipei City, we take a great pleasure in inviting you to join our "MCUT Language & Culture Camp in Taiwan" held in the period from **July 3rd, 2023 to July 12th, 2023**. The duration of this camp is 10 days.

All the faculty and staff welcome you to Ming Chi University of Technology and we are more than happy to have you participate in all the activities of our camp. Please prepare the followings for every participant to ensure the successful participation in our camp:

1. Entry visa to Taiwan, R.O.C.
2. A round-trip flight ticket

This camp provides a great opportunity for you to see the beautiful island of Formosa, learn about Mandarin culture, visit famous sightseeing spots in Northern Taiwan and most importantly, experience the various educational facilities as well as cutting-edge research centers of MCUT. Therefore, we hereby cordially invite you to join our camp and believe that your visit will strengthen the collaborative relationship between our universities. Should you have any further questions or inquiries, please do not hesitate to contact me.

Thank you very much and we are looking forward to receiving you at MCUT!

Warmest regards,

Chieh-Lan Li

Dr. Chieh-Lan Li
Dean, Office of International Affairs
Ming Chi University of Technology





明志科技大學
MING CHI UNIVERSITY OF TECHNOLOGY

新北市泰山區工專路 84 號

84 Gungjuan Rd., Taishan Dist., New Taipei 24301, Taiwan

Tel:886-2-2908-9899 | FAX:886-2-2904-1346

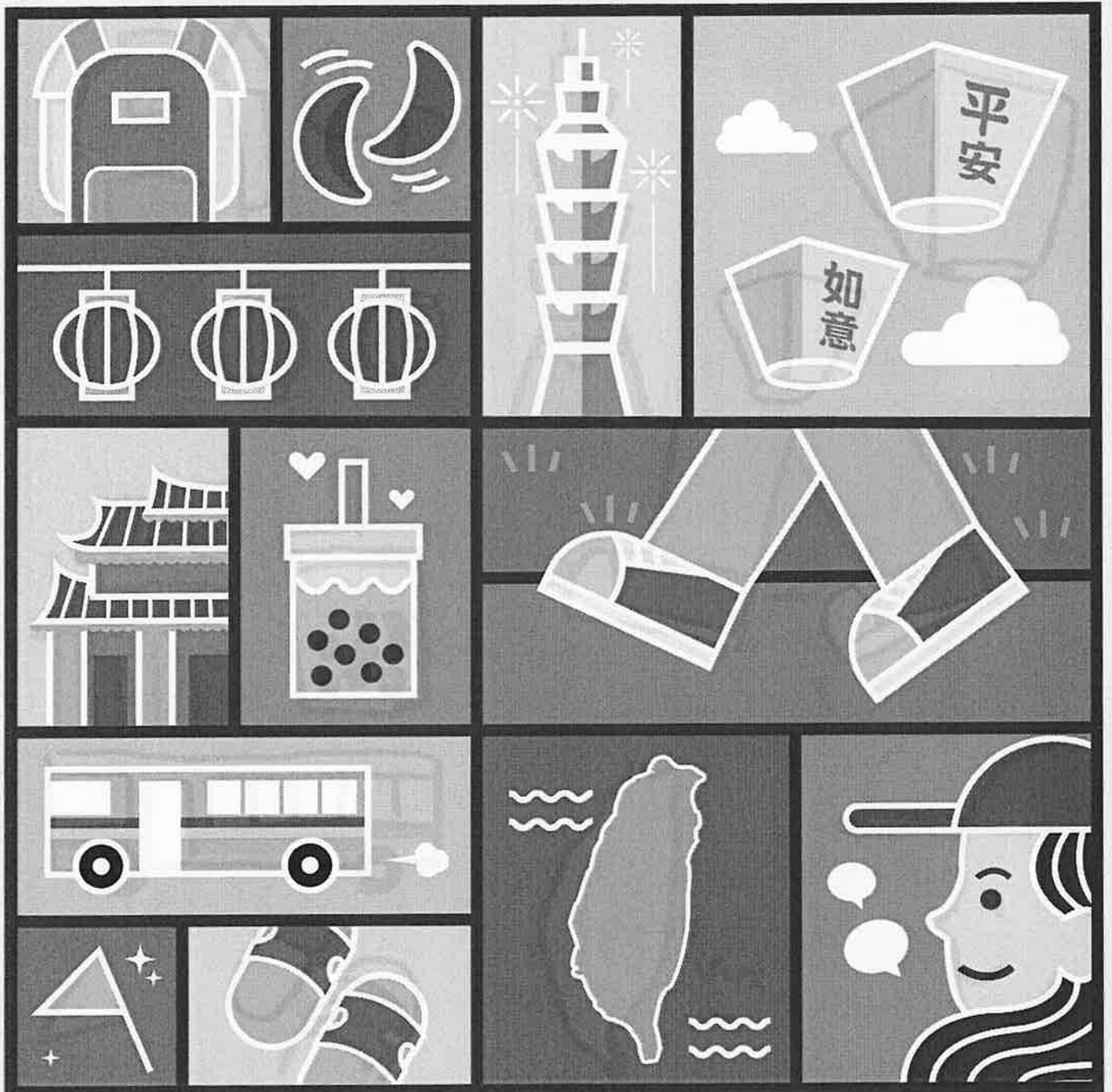
Name List of Students from SRM University, AP - Andhra Pradesh:

1. MANIDEEP SURUSOMAYAJULA
2. MANASWINI SURUSOMAYAJULA
3. Gagan Veginati

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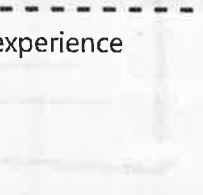


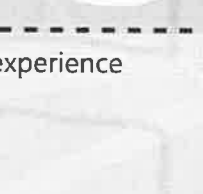

2023 JULY

SUMMER CAMP



MCUT Language & Culture Camp in Taiwan

- Schedule -

<p>7/3 Mon</p> <p>DAY 1</p>	<p>Arrival Campus tour Local supermarket shopping</p>		<p>7/4 Tue</p> <p>DAY 2</p>	<p>Opening Ceremony Mandarin courses & cultural experience Lab/campus tours Welcome Party</p>
<p>7/5 Wed</p> <p>DAY 3</p>	<p>Mandarin courses & cultural experience Half-day Field Trip Formosa Plastic Group Museum</p>		<p>7/6 Thu</p> <p>DAY 4</p>	<p>Mandarin courses & cultural experience</p>
<p>7/7 Fri</p> <p>DAY 5</p>	<p>Mandarin courses & cultural experience Lab/campus tours</p>		<p>7/8 Sat</p> <p>DAY 6</p>	<p>Whole-day Field Trip</p> 
<p>7/9 Sun</p> <p>DAY 7</p>	<p>Whole-day Field Trip</p>		<p>7/10 Mon</p> <p>DAY 8</p>	<p>Mandarin courses & cultural experience Lab/campus tours</p>
<p>7/11 Tue</p> <p>DAY 9</p>	<p>Mandarin courses & cultural experience Lab/campus tours Final Presentation Farewell Party</p>		<p>7/12 Wed</p> <p>DAY 10</p>	<p>Departure Home sweet home</p> 



- **Period** 2023/7/3-2023/7/12
- **Participants (invited only)** Undergraduate students from overseas partner universities of MCUT
- **Location** New Taipei City, Taiwan
- **Fee** Free
- **Including**
 - * Mandarin courses & cultural experiences
 - * Lab/campus tours
 - * One/two meals per day
 - * Accommodation
 - * Tour-bus transportation
 - * Local insurance



Office of International Affairs

✉ oia@mail.mcut.edu.tw

☎ +886 2 29089899 ext. 3036

📷 mcutoia

📺 OIA, MCUT







2023 Language and Culture Camp

Certificate of Participation

The certificate is awarded to

Gagan Veginati

who has participated in
MCUT Language and Culture Camp
Certificate of Participation in Taiwan
from 03-07-2023 to 12-07-2023

Office of International Affairs
Ming Chi University of Technology

Chieh-Lan Li
Dean

12 July, 2023
Date





2023 Language and Culture Camp

Certificate of Participation

The certificate is awarded to

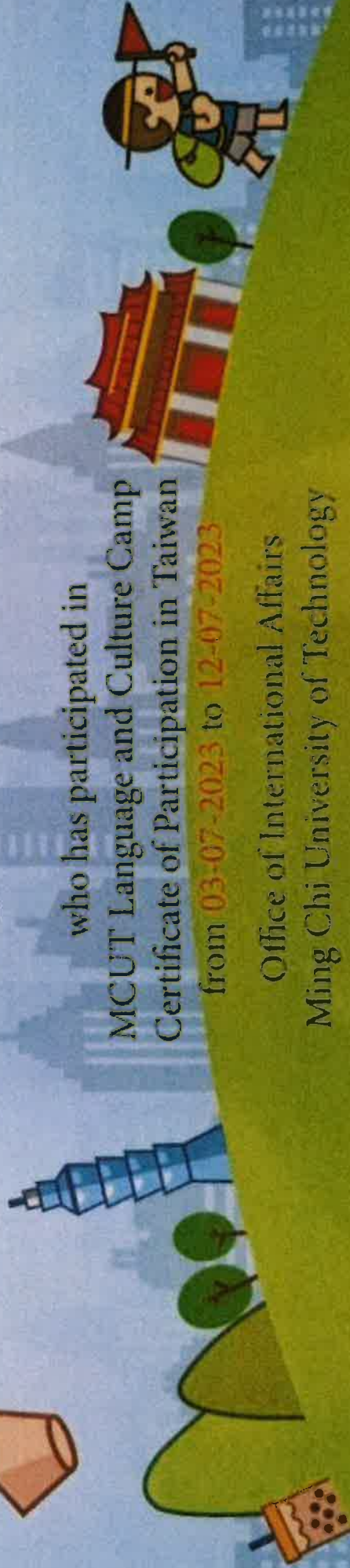
Manideep Surusomayajula

who has participated in
MCUT Language and Culture Camp
Certificate of Participation in Taiwan
from **03-07-2023** to **12-07-2023**

Office of International Affairs
Ming Chi University of Technology

Chieh-Lan Li
Dean

12 July, 2023
Date





2023 Language and Culture Camp

Certificate of Participation

The certificate is awarded to

Manaswini Surusomayajula

who has participated in
MCUT Language and Culture Camp
Certificate of Participation in Taiwan
from 03-07-2023 to 12-07-2023

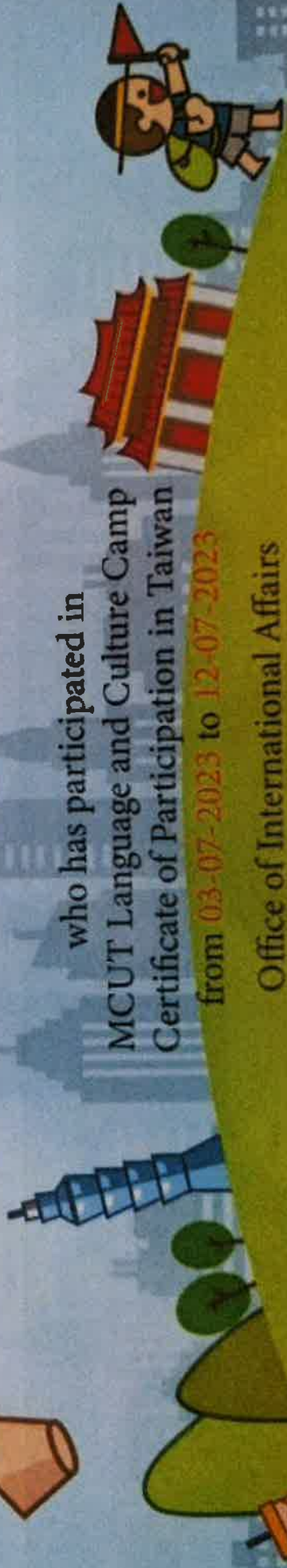
Office of International Affairs
Ming Chi University of Technology

Chieh-Lan Li

Dean

12 July, 2023

Date



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Node Significance Analysis in Complex Networks Using Machine Learning and Centrality Measures

Hajarathaiah, Koduru^a; Enduri, Murali Krishna^b; Anamalamudi, Satish^b; Abdul, Ashu^c;

Chen, Jenhui^{d, e, f} ✉

Save all to author list

^a VIT-AP University, School of Computer Science and Engineering, Andhra Pradesh, Amaravati, 522237, India

^b Srm University-AP, Algorithms and Complexity Theory Laboratory, Department of Computer Science and Engineering, Amaravati, 522240, India

^c Srm University-AP, Centre for Computational and Integrative Sciences, Department of Computer Science and Engineering, Amaravati, 522240, India

^d Chang Gung University, Department of Computer Science and Information Engineering, Taoyuan, Guishan, 33302, Taiwan

^e Chang Gung Memorial Hospital, Division of Breast Surgery and General Surgery, Department of Surgery, Taoyuan, Guishan, 33375, Taiwan

^f Ming Chi University of Technology, Department of Electronic Engineering, Taishan, New Taipei City, 24301, Taiwan

Hide additional affiliations ^

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Abstract

Author keywords

Indexed keywords

SciVal Topics

Funding details

Abstract

The study addresses the limitations of traditional centrality measures in complex networks, especially in disease-spreading situations, due to their inability to fully grasp the intricate connection between a node's functional importance and structural attributes. To tackle this issue, the research introduces an

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Related documents

A Machine Learning Based Framework for Identifying Influential Nodes in Complex Networks

Zhao, G. , Jia, P. , Huang, C. (2020) IEEE Access

Generalization of Relative Change in a Centrality Measure to Identify Vital Nodes in Complex Networks

Hajarathaiah, K. , Enduri, M.K. , Dhuli, S. (2023) IEEE Access

Find the Spreading Ability of the Influential Nodes using the IC Model in Social Networks

Hajarathaiah, K. , Diwela, K. , Attaluri, Y. (2022) Proceedings - 2022 14th IEEE International Conference on Computational Intelligence and Communication Networks, CICN 2022

View all related documents based on references

Find more related documents in Scopus based on:

Authors > Keywords >

Memorandum of Understanding

This agreement is entered in to on 8th Day of December 2022

Between

Ureka Education Group
Oxford Science Park, Oxford, OX4 4GP United Kingdom

And

SRM University – AP, Andhra Pradesh
Mangalagiri -Mandal, Neeru Konda, Amaravati, Andhra Pradesh 522502

This Memorandum of Understanding (MOU) sets for the terms and understanding between the Ureka Education Group (hereby referred as "Ureka") that comprises of Ureka Education Ltd, London and its associate companies in UAE, France, and India and SRM University – AP, Andhra Pradesh (hereby referred as "SRM AP").

Purpose

This MOU aims to develop strategic association and explore long term collaboration opportunities between both parties to

- support development of employability enhancing skills and traits that lead to overall success of students, teachers and their institution.
- promote a global mindset through hands-on experiences and exposure to best practices from the best institutions in the world.
- create international engagement and development opportunities for students and faculty through programmes, lectures, seminars, conferences, visits, events, study trips and internships.

The above goals will be accomplished by undertaking the following activities. Any financial consideration or expenses relating to any of the activities will be agreed separately agreed between both parties through a written notification.

What can Ureka Education UK provide



nmty

- International Programmes for students that include are cited below :
 - o **Global Immersion Programmes** – academically rigorous, certified international study trips to California, London, Oxford, Lyon, Dubai, Singapore and Kuala Lumpur. Ureka will keep a provision for one accompanying faculty free of cost for a group of 15 students, atleast a group of 30 students at a time will be a minimum requirement to run the programme.
 - o **International Internships Programmes** – This is a unique, one of its kind opportunities to gain real international work experience. You get trained, mentored by international experts to successfully complete your internship tasks, thus making it an invaluable learning experience.

What can the <university name> SRM University AP provide

- Co-brand and Promote Ureka Education UK's **services amongst its students** using online and offline media on a regular basis.
- Co-organise with Ureka, international and national conferences, seminars, events etc by means of **nominating experts / faculty from the institution as speakers, panelists etc**
- Jointly with Ureka, **apply for research grants** like Innovate UK, UKIERI, La French Tech etc
- Anything else not mentioned here but agreed between both parties through a written notification from either party

What does this MOU not provide unless agreed between both parties through a written notification from either party

- Any form of financial commitment in the form of payments, discounts, vouchers etc
- Assignment of any IPRs, patents, etc



Handwritten signature

All financial arrangements to be agreed separately agreed between both parties through a written notification.

Lapse of MOU

- This MOU will lapse if there is no activity or engagement between both the parties for a continuous period of 12 months from the start of the agreement date and each anniversary thereon.

Duration

3 years from the date of signing. This MOU is at-will and may be modified by both parties through a written notification from authorised officials from each party. This MOU shall become effective upon signature by the authorised officials and will remain in effect till the term of the MOU is reached. It may be renewed by the mutual written consent of both parties.

Authorised Signatories

Ureka Education Group

1. Ms Aamna Sultan, Chief Learning Officer
Email: as@ureka.co.uk
Telephone: +971 4 501 3917

SRM University – AP

1. Dr. R. Premkumar, Registrar
Email: registrar@srmap.edu.in
Telephone: +91 863-234 3535

Through these contact persons, either party may initiate proposals for activities under this agreement. Specific details will be set forth in a letter of agreement which will form part of this general arrangement following signature by the appropriate authorities of both parties.



nm ty

A letter of agreement such items as:

1. Elaboration of the responsibilities of each institution for the agreed upon activity. Scheduled for specific activity
2. Financial arrangement agreed between both parties for each activity
3. Any other terms deemed necessary for the efficient management of the activity.

Signatures of concerning officials

Aamna Sultan

Date: 12-01-2023



Name: Aamna Sultan

Organization: Ureka Education Group

Designation: Chief Learning Officer

nr



Date:

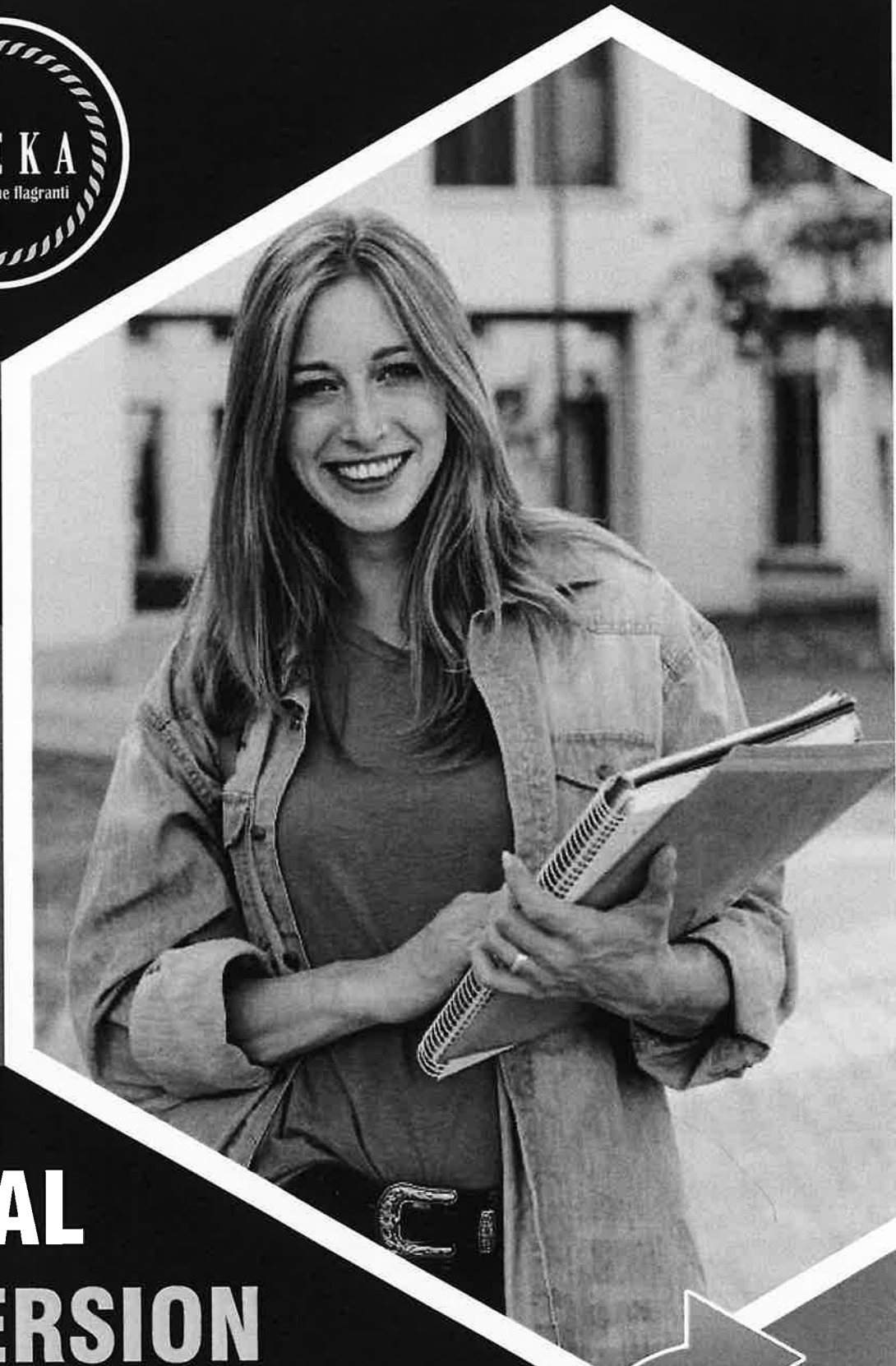
Name: Dr. R. Premkumar

Organization: SRM University - AP, Andhra Pradesh

Designation: Registrar

Dr. R. PREMKUMAR
REGISTRAR

SRM UNIVERSITY - AP
Andhra Pradesh - 522240



GLOBAL IMMERSION PROGRAMME

UAE

August 2023



Ureka Education Group

Oxford Science Park, Oxford, UK | Chemin Des Anges, Lyon, France | Dubai Silicon Oasis, Dubai, UAE

Day 1: Arrival and Welcome, Cultural and Historical Exploration

- **Morning:** Arrival at Dubai International Airport and hotel check-in
 - **Afternoon:** Orientation session, introduction to Dubai's culture and history, and ice-breaking activities
 - **Evening:** Guided tour of Al Fahidi Historical Neighborhood and Dubai Museum, Visit to Jumeirah Mosque, Burj Al Arab photo-stop, Visit to Bluewaters Island, Pointe the Palm, Dubai Marina and Dubai Mall
-

Day 2: Technology, Space and Art

- **Morning:** Tour of Dubai Silicon Oasis,
 - **Afternoon:** Visit to the Mohammed Bin Rashid Space Centre (MBRSC), Session on the UAE Mars Mission (Subject to Government Department's Approval)
 - **Evening:** Guided tour of Alserkal Avenue
-

Day 3: Leadership, Innovation and Business

- **Morning:** Leadership workshop with Deloitte
- **Afternoon:** Visit to Intel Innovation Centre | Visit to Dubai International Financial Centre (DIFC) - Explore the Financial Landscape of Dubai
- **Evening:** Depart for Dhow Cruise Canal with Dinner



Day 4: Futuristic UAE and Sustainability

- **Morning:** Depart for Abu Dhabi, Visit the Sheikh Zayed Grand Mosque
 - **Afternoon:** Visit - Masdar Sustainable City
 - **Evening:** Workshop - Sustainable Entrepreneurship
-

Day 5: Science, Technology, and Innovation

- **Morning:** Visit to Sharjah Research Technology and Innovation Park (SRTIP)
 - **Afternoon:** Visit USky, Merlion and 3D Printed Houses
 - **Evening:** Depart for Desert Safari with Dinner
-

Day 6: Reflection, Departure, and Future

- **Morning:** Group reflection session, Presentation of certificates, Discussion on future applications of learned concepts followed by free time for tourist activities.
-

Day 7: Free Day for Leisure

Note: The schedule may be subject to change depending on the availability of speakers, venues, and other factors. This program can be customized to cater to the specific interests of the participants.



Global Immersion Programme

*Enhance your **Global Quotient** (GQ)*

Academic Content

Experiential Learning Content delivered using Ureka's proprietary pedagogical framework, **LEAD – Learn | Experience | Apply | Demonstrate**

Certifications

All participants will receive:

1. Global Immersion Certificate from Ureka UK
2. Certificate of Achievement from Global Knowledge Alliance, Australia

In addition the winning team of the Dubai Business Challenge will receive Winner's Certificates and Gold Medals.

Location

Dubai, Sharjah & Abu Dhabi, UAE (Students will be visiting all 3 cities)

Duration

6 nights / 7 days

Experiential Learning Content

Tentative Itinerary

Proposed Global Immersion Programme UAE for SRM University AP in August, 2023

Day 1: Arrival and Welcome, Cultural and Historical Exploration

- Morning: Arrival at Dubai International Airport and hotel check-in
- Afternoon: Orientation session, introduction to Dubai's culture and history, and ice-breaking activities
- Evening: Guided tour of Al Fahidi Historical Neighborhood and Dubai Museum, Visit to Jumeirah Mosque, Burj Al Arab photo-stop, Visit to Bluewaters Island, Pointe the Palm, Dubai Marina and Dubai Mall

Ureka Education Group

Oxford Science Park, Oxford, UK | Chemin Des Anges, Lyon, France | Dubai Silicon Oasis, Dubai, UAE

Day 2: Technology, Space and Art

- Morning: Tour of Dubai Silicon Oasis,
- Afternoon: Visit to the Mohammed Bin Rashid Space Centre (MBRSC), Session on the UAE Mars Mission (*Subject to Government Department's Approval*)
- Evening: Guided tour of Alserkal Avenue

Day 3: Leadership, Innovation and Business

- Morning: Leadership workshop with Deloitte
- Afternoon: Visit to Intel Innovation Centre | Visit to Dubai International Financial Centre (DIFC) - Explore the Financial Landscape of Dubai
- Evening: Depart for Dhow Cruise Canal with Dinner

Day 4: Futuristic UAE and Sustainability

- Morning: Depart for Abu Dhabi, Visit the Sheikh Zayed Grand Mosque
- Afternoon: Visit - Masdar Sustainable City
- Evening: Workshop - Sustainable Entrepreneurship

Day 5: Science, Technology, and Innovation

- Morning: Visit to Sharjah Research Technology and Innovation Park (SRTIP)
- Afternoon: Visit USky, Merlion and 3D Printed Houses
- Evening: Depart for Desert Safari with Dinner

Day 6: Reflection, Departure, and Future

- Morning: Group reflection session, Presentation of certificates, Discussion on future applications of learned concepts followed by free time for tourist activities.

Day 7: Free Day for Leisure

Note: The schedule may be subject to change depending on the availability of speakers, venues, and other factors. This program can be customized to cater to the specific interests of the participants.

Programme Costs

6 nights/ 7 days Programme – **INR 58,500 Per Student (Valid for minimum 30 students in August)**

Inclusions:

- All Academic Content & Certification as per Itinerary
- Return Airport Transfers
- 6 Nights Accommodation on Twin Sharing Basis
- Breakfast & Lunch
- Dubai City Tour
- Dubai Desert Safari
- Dhow Cruise Dubai Canal
- All Local Transportation as per Itinerary
- All Taxes Included

Payment Terms:

100% off the airfare and visa payable immediately to book the tickets.

40% of the programme fee payable upon final confirmation.

60% payable 14 days before travel date.



GLOBAL KNOWLEDGE ALLIANCE

Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT


This is to certify that

Gayathri Vijayalakshmi Alluri

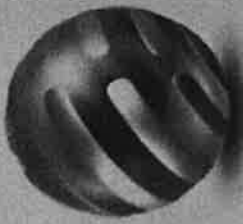
has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023





Programme Director



GLOBALKNOWLEDGEALLIANCE

Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT

This is to certify that

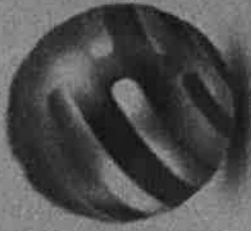
Ashita Lakshmi Nitya Boyapati

has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023



Programme Director



GLOBAL KNOWLEDGE ALLIANCE

Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT

This is to certify that

Surya Teja Koli

has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023





Programme Director



GLOBALKNOWLEDGEALLIANCE

Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT

This is to certify that

Varshitha Malladi

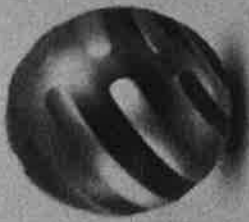
has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023



M. Abdul Faeem

Programme Director



GLOBALKNOWLEDGEALLIANCE

Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT

This is to certify that

Komal Krishna Myneni

has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023



Programme Director



GLOBALKNOWLEDGEALLIANCE

Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT

This is to certify that

Ashish Sree Vatsav Nandigam

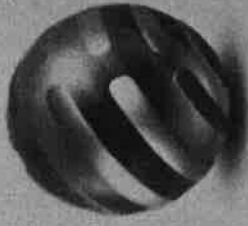
has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023



M. Abdul Geem

Programme Director



GLOBAL KNOWLEDGE ALLIANCE

Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT

This is to certify that

Saithej Singhu

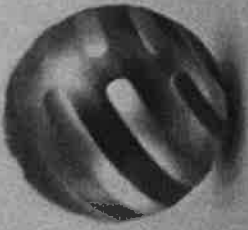
has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023



Ah. Abdul Jeem

Programme Director



GLOBALKNOWLEDGEALLIANCE

Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT

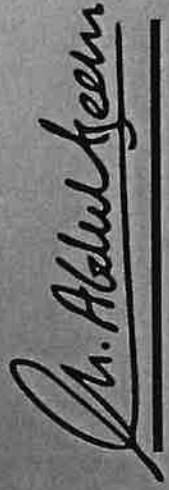
This is to certify that

Sri Nithya Bandlamudi

has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023





Programme Director



GLOBAL KNOWLEDGE ALLIANCE
Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT

This is to certify that

Srikedhar Bhagavan Sankara Saiprasad Koneru

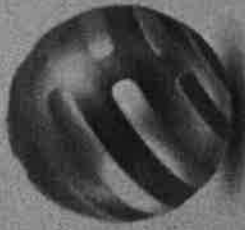
has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023





Programme Director



GLOBAL KNOWLEDGE ALLIANCE

Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT

This is to certify that

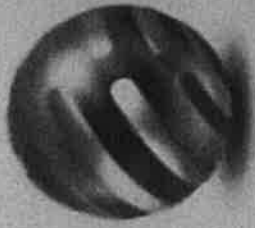
Varshitha Tummala

has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023



Programme Director



GLOBALKNOWLEDGEALLIANCE

Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT

This is to certify that

Udaya Sruthi Saleti

has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023



Programme Director



GLOBALKNOWLEDGEALLIANCE

Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT

This is to certify that

Vanshika Tyagi

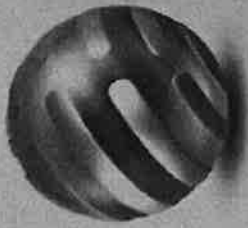
has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023



M. Abdul Faeem

Programme Director



GLOBALKNOWLEDGEALLIANCE

Melbourne, Australia



CERTIFICATE OF ACHIEVEMENT

This is to certify that

Sai Bharath Yalam

has successfully completed the
Global Immersion Programme in Dubai.

Given this 12th day of August 2023



Programme Director

STUDY ABROAD AGREEMENT (MUA AND SRM AP)

THIS AGREEMENT is made between: 19th October 2022

MONASH UNIVERSITY (ABN: 12 377 614 012) of Wellington Road, Clayton, Victoria 3800, Australia
(MUA)

AND

SRM University – AP, Andhra Pradesh, of Mangalagiri -Mandal, Neeru Konda, Amaravati, Andhra Pradesh 522502, India (SRM AP) Purpose

1. This agreement and the attached Schedule set out the terms on which MUA and MUM will provide a study abroad program (**Study Abroad Program**) for students from **SRM AP (Students)**.
2. This agreement applies to undergraduate and postgraduate coursework students, but not to students undertaking higher degrees by research.

Definitions

3. In this agreement:

Australian Sanctions Law means any law prohibiting or restricting dealings with proscribed states, persons or entities or seeking to prevent the proliferation of weapons, including but not limited to laws implementing the sanctions imposed by the United Nations Security Council.

Data Protection Legislation means all applicable privacy principles, policies, laws and regulations which govern the handling of personal data processed under this agreement.

MUM means Monash University Malaysia Sdn. Bhd. [Malaysian Co. Reg. No. 199801002475 (458601-U)] a company duly incorporated under Companies Act 2016 (formerly the Companies Act 1965) and [as the registered owner of Monash University Malaysia (Registration No. DULN002(B)), a Private University registered under the Malaysian Private Higher Educational Institutions Act, 1996 (Act 555)] having its business address at Jalan Lagoon Selatan, 47500 Bandar Sunway, Selangor Darul Ehsan, Malaysia.

Party means either MUA or SRM AP, and **Parties** means both of them.

Student means a student enrolled to study at SRM AP.

Authority

4. MUA warrants that MUM has authorised MUA to act as an agent of MUM for the purpose of entering into this agreement.

Selection of Students

5. SRM AP will screen its applicants for the Study Abroad Program to ensure they meet the eligibility requirements advised by MUA and MUM, including academic and language requirements, before nominating them to MUA or MUM. Students must be enrolled in a three-year Bachelor's, four-year Bachelor's or two-year Master's program only.
6. Nominated Students must be enrolled at SRM AP and have completed successfully at least one



year of continuous study at SRM AP before they commence the Study Abroad Program.

7. SRM AP will forward Student nominations to MUA or MUM in accordance with procedures and by closing dates as specified by MUA and MUM.
8. MUA and MUM reserves the right to make final judgments on the admissibility of each Student nominated.
9. The Students may apply to undertake up to one academic year at MUA or MUM.
10. The Students may apply to enrol in any academic program offered at MUA or MUM as full-time non-award students, except for programs which MUA or MUM advises are not open to Study Abroad Students or require prerequisite subjects which the Student does not have satisfactory marks in.
11. Under the terms of this agreement, Students will not receive any academic credit towards any academic program of MUA or MUM, however any academic credit earned at MUA or MUM may be recognised by SRM AP at the discretion of SRM AP.

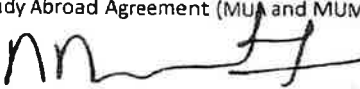
Responsibilities of the MUA or MUM

12. MUA or MUM will enrol all admissible Students as full-time, non-award students.
13. MUA or MUM will provide an orientation for the Students.
14. MUA or MUM will provide advice on housing options to the students and on any procedures to be followed.
15. MUA or MUM will provide the appropriate academic counselling and other support to the Students.
16. MUA or MUM will provide an academic transcript of record for each Student.
17. MUA or MUM will notify SRM AP as soon as reasonably practical of:
 - a) any issues or concerns relating to the behaviour of a Student and any matters of discipline and, where appropriate, will allow time for intervention by SRM AP to seek to address and/or remedy any such issues or concerns; and/or
 - b) any safety incident affecting the health or wellbeing of a Student and measures put in place to respond to the incident.
18. Subject to clauses 19 and 20, the two Parties will work together to implement their processes for any incident covered by clause 17.
19. SRM AP may withdraw any Student from the Study Abroad Program at any time where it forms a concern for the Student's safety or wellbeing that cannot be satisfactorily resolved.
20. MUA or MUM may terminate a Student's Study Abroad Program at any time where the student commits an act of misconduct, or presents a risk to the health and safety of themselves or others.

Responsibilities of SRM AP and Students

21. SRM AP will inform its Students of their responsibilities set out in clauses 22 to 25 (inclusive), clause 27 and clause 29 and will assist their Students to comply with their responsibilities and obligations including, but not limited to providing relevant accurate documentation. Any

Network Study Abroad Agreement (MUA and MUM) March 2019


Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

additional responsibilities of SRM AP are set out in Item 2 of the Schedule.

22. Students must remain enrolled at SRM AP throughout their participation in the Study Abroad Program at MUA or MUM.
23. Students are required to obtain, at their own expense, an appropriate visa for the defined study period in Australia or Malaysia. MUA or MUM will provide any necessary documentation to support the visa application.
24. Students from SRM AP attending MUA or MUM must obtain Australian or Malaysian health insurance appropriate for overseas students.
25. Students must abide by all rules and regulations of MUA or MUM, and are subject to the normal disciplinary policies of MUA or MUM.

Quote - Tuition Fees and Non-Tuition Fees

26. Before the commencement of each MUA and MUM academic year, MUA or MUM will provide SRM AP with a quote for a Study Abroad Program fee per Student per semester, which includes the following:
 - a) Tuition (for a full-time load of 24 credit points per semester for undergraduate students and the equivalent for postgraduate students) - the tuition fee will be the published tuition fee per Student for the Study Abroad Program which can be found here: <https://www.monash.edu/study-abroad/inbound/financial-information> (MUA) and <https://www.monash.edu.my/study-abroad/inbound/financial> (MUM) or as otherwise stated in Item 4 of the Schedule;
 - b) Overseas student health cover;
 - c) Accommodation;
 - d) Orientation;
 - e) Student support;
 - f) One academic transcript;
 - g) Other services as advised by MUA or MUM.

Payment of Tuition Fees and Non-Tuition Fees

27. Students will be responsible for arranging and paying for all the costs set out in Item 1 of the Schedule.
28. SRM AP will be responsible for the costs set out in Item 2 of the Schedule. MUA and MUM will each issue one tax invoice per semester to SRM AP covering all Students from SRM AP attending their campus, which will be payable by SRM AP within 30 days from the date of the invoice. Further information about the Manner of Payment of the tax invoice is set out in Item 3 of the Schedule.
29. Payment of all fees (tuition and non-tuition fees) invoiced by MUA or MUM to the Student or to SRM AP, as the case may be, must be made in the manner set out in the Schedule. Students whose payment is not received as specified by MUA or MUM will not be permitted to participate in the Study Abroad Program.
30. SRM AP will be responsible and liable for non-payment of any fee, cost or other expense owed or incurred by a Student related to the Study Abroad Program.
31. The Parties agree that any Special Conditions listed in Item 4 of the Schedule are incorporated

into this agreement and are binding on the Parties, provided that the Special Conditions are not inconsistent with any other clause in this agreement.

Privacy

32. The Parties acknowledge and agree that they will exchange personal data of the Students, including exchanging information about Students' academic progress, welfare and health, and any behaviour or discipline issues.
33. The Parties acknowledge and agree that MUA is a data controller in respect of the personal data that it processes, and SRM AP is a data controller in respect of the personal data that it processes.
34. The Parties agree to work together to do all things necessary to ensure that they are each able to process the personal data of Students lawfully and in compliance with the Data Protection Legislation for the purposes of fulfilling their obligations under the agreement.

General Terms

35. Nothing contained in this agreement implies that an agency, partnership or joint venture between the universities has been set up, and it is understood that each Party will fulfil their obligations under this agreement as independent universities. Neither Party shall have any right or authority to create any obligation or responsibility outside of this agreement in the name of, or on behalf of, the other.
36. It is understood by SRM AP that MUA, when accepting Study Abroad Students, must conform to appropriate requirements of the *Education Services for Overseas Students Act 2000* enacted by the Government of the Commonwealth of Australia (**ESOS Act**), and *The National Code of Practice for Providers of Education and Training to Overseas Students*.
37. SRM AP will facilitate the arrangements covered by this agreement but it will not do any marketing or promotion of MUA or MUM or its courses without the prior written approval of MUA or MUM to such marketing or promotion and any materials to be used. This is required to ensure that MUA meets its obligations under the ESOS Act.
 - (a) SRM AP undertakes not to engage in any act which may result in MUA contravening an Australian Sanctions Law SRM AP undertakes to comply with the Malaysian Strategic Trade Act 2010 and all other applicable export controls laws no strategic items or technology are exported without a permit;
 - (b) no strategic items or unlisted items exported to prohibited end-users at all;
 - (c) no strategic items or unlisted items are exported to restricted end-users without a special permit;
 - (d) no technical assistance is given in connection to restricted activities; and
 - (e) no brokering of strategic items is carried out without registration certificate.

Renewal, Termination and Amendment of Agreement

38. This agreement is effective from the date when all Parties have signed it (**Effective Date**).
39. This agreement shall remain in force for a period of five (5) years from the Effective Date.
40. The agreement may be terminated by either Party by giving at least six months' prior notice to the

other Party in writing. Students enrolled at MUA or MUM at the time of the termination will be able to complete their Study Abroad Program.

41. The agreement may be amended or extended by mutual consent in writing signed by the Parties.
42. If this agreement were translated into another language, both texts would be authentic, but the English text would prevail in the event of a dispute.

Electronic Signing and Counterparts

43. Each Party agrees that this agreement may be executed by electronic signature (regardless of the form of electronic signature utilised) and that this method of signature is conclusive of the Parties' intention to be bound by this agreement as if physical signing had occurred.
44. This agreement may be executed in any number of counterparts and by the Parties on separate counterparts. Each counterpart constitutes the agreement of each Party who has executed and delivered that counterpart. Each Party may communicate its execution of this agreement by successfully transmitting an executed copy of the agreement by an electronic method to each Party.
45. Neither party shall be held responsible for non-fulfilment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Epidemics, etc. provided on the occurrence and cessation of any such event the party affected thereby shall give notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action

Executed as an agreement

Signed for and on behalf of **Monash University**
by its authorised representative:




Signature

Professor Susan Elliott AM
Provost and Senior Vice-President

17 November 2022

Date

Signed for and on behalf of **SRM University – AP,**
Andhra Pradesh by its authorised representative:



Signature

Dr. R. PREMKUMAR
REGISTRAR
Dr. R. Premkumar
Registrar
SRM UNIVERSITY - AP
Andhra Pradesh - 522240



11.11.2022

Date

SCHEDULE

Item 1:	Responsibilities of Students	<ul style="list-style-type: none"> a) Tuition fees b) Accommodation c) Health insurance for international students d) Transportation, except for airport pickup upon their arrival e) Insurances covering travel and personal liabilities incurred while not on the Monash campus f) Textbooks, clothing, food and other personal expenses g) Passport and visa costs h) All debts incurred during the course of the Study Abroad Program
Item 2:	<p>Costs to be paid by SRM AP</p> <p>Does clause 30 apply?</p>	<p>Yes <input type="checkbox"/></p> <p>No <input checked="" type="checkbox"/></p>
Item 3:	Manner of Payment	Payment must be made to MUA in Australian dollars or MUM in Malaysian Ringgit by the invoice due date.
Item 4:	Special Conditions	

Semester Abroad Program (SAP) - Spring 2024

“Make your January to June Semester International”.

Australia

*Last date to Apply (SRM AP Student Portal) – **September 23, 2023**

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accommo.)	Total Cost (Approx)
1	Monash University	57	2021	6	Bachelor of Technology	Computer Science Engineering	9	6,50,000	11,00,000	17,00,000

*Student applying to SAP should have **NO** existing backlog.

*Please submit your application through SRMAP Student Portal by no later than Saturday, 23 September 2023. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.



CHEERS WISDOM

Advancing Human Consciousness

Agreement of Professional Services

THIS AGREEMENT FOR AVAILMENT OF PROFESSIONAL SERVICES (the "Agreement")
made and entered into on 16th November 2022,

BY AND BETWEEN

SRM university AP - Neerukonda, Mangalagiri, Guntur, Andhra Pradesh represented by the **Registrar (SRM University, AP), Mr. Dinesh Reddy Vemula and Mr. Ashu Abdul** Assistant professors at CSE, SEAS, (the "first party"),

AND

Cheers Wisdom D Private Limited - B-33, PV Colony, Bungalow's area, Manuguru Bhadradi, Kothagudem, **Andhra Pradesh. Represented by Mr. Sohail Mahammad** (the "second party"),

WITNESSETH

WHEREAS, the First party is willing to enter into this Agreement with the Second party upon the conditions and terms herein set forth;

NOW THEREFORE, for the valuable consideration set forth in this Agreement and intending to be legally bound, the First party and the Second party mutually promise and agree as follows:

1. Position and Duties.

During the time this Agreement is in effect, the Second party will obtain the services of first party and the First party will accept it, in such capacities and with such powers and duties as may from time to time be determined by the Second party. The First party will not engage as a director, officer, First party, partner, shareholder, or any other capacity, in any business which competes, conflicts or interferes with the performance of his duties hereunder in any way, or solicit, canvass or accept any business or transaction for any other such competing business.

2. Compensation and Incentives.

A. For all services to be rendered by the First party pursuant to *annexure-1* of this Agreement, and in part of the consideration for the other obligations and promises of the First party as set forth in this Agreement, the Second party will compensate the First party at rates that are mutually discussed between both the parties. The payment will be done by the second party in accordance to the delivery of the agreed upon work.

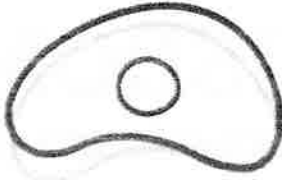
3. **Term.** This Agreement for employment by and between the parties shall be an agreement for employment at will commencing on the date hereof for a mutually agreeable period. The first party shall give a prior notice of at least 7 days in case he wishes to withdraw from performing aforementioned duties due to any reasonable causes. However, the first party agrees to provide sufficient knowledge transfer (KT) to resource provided by the second party before he withdraws from the agreement. Either party may terminate this agreement any time by giving 30 days prior written notice to the other party without assigning any reason whatsoever.




Registrar

SRM UNIVERSITY-AP
www.cheerswisdom.com
Andhra Pradesh-522 240

Support@cheerswisdom.com



CHEERS WISDOM

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As used in this Agreement, "termination for cause" shall mean a termination based upon the dishonesty, gross negligence, incompetence or moral turpitude of the First party or any failure to perform his duties hereunder or otherwise comply with and observe the covenants and agreements made by him herein.

4. Non-Competition. During the time of his agreement or anytime later by the Second party, the First party shall not, directly or indirectly, acting alone or in conjunction with others:

A. Request any customers of any business then being conducted by the Second party to curtail or cancel their business with the Second party;

B. Solicit, canvass or accept any business or transaction for any other person, firm or corporation or business similar to the business of the Second party, from any past or existing customers of the Second party;

C. Induce, or attempt to influence, any First party of the Second party to terminate employment with the Second party or to enter into any employment or other business relationship with any other person (including the First party), firm or corporation-

5. Trade Secrets/Confidential Information. The First party agrees that he will not at any time or in any manner divulge, disclose or communicate to any person, firm or corporation any trade, technical or technological secrets; any details of the Second party's organization or business affairs, its manner of operation, its plans, processes, and/or other data; any names of past or present customers of the Second party; or any other information relating to the business of the Second party, without regard to whether all of the foregoing matters will be deemed confidential, material, or important. With respect to the foregoing, the Both parties hereby stipulates and agrees that the same are confidential, material, and important, and any breach of this Paragraph 5 will adversely affect the business of the both parties, its effective and successful management, and its inherent good will.

6. Assignment. The benefits of this Agreement are and shall be personal to the First party, and none thereof shall inure to the benefit of his heirs, personal representatives, or assigns. The obligations and duties of the First party hereunder shall be personal and not assignable or delegable by him in any manner, whatsoever. This Agreement shall be binding upon and inure to the benefit of the Second party and it shall be assignable by the Second party to any entity which may acquire substantially all of the business and assets of the Second party, or with or into which the Second party may be merged or consolidated.

7. Entire Agreement, Amendment. This Agreement constitutes the entire agreement between the parties with respect to the employment of the First party by the Second party and shall be deemed to supersede and cancel any other written agreements between the parties hereto relating to the transactions herein contemplated. No representation, inducement or condition set forth herein has been made or relied upon by any party. This Agreement may be amended, modified or waived only by an instrument in writing signed by the First party and an authorized executive officer of the Second party.

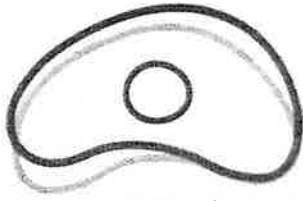
8. General. The headings of the Articles and Paragraphs of this Agreement are for the convenience of reference and not to be used to interpret or construe any provisions of this Agreement. This Agreement shall be construed and enforced in accordance with and governed by the laws of Telangana, India.

Support@cheerswisdom.com



Authorized Executive Officer

SR www.cheerswisdom.com
Andhra Pradesh-522 240




CHEERS WISDOM

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9. Mode of Work. Both the parties to the contract agree to reach out to each other at mutually agreeable times and days to discuss, brainstorm and communicate any update regarding work. Further, the work and the deliverables would be only be finalized upon second party's satisfaction. For any improvements/changes/doubts, the second party might communicate with first party and build the product up to their satisfaction.

IN WITNESS WHEREOF, the parties have executed this Agreement on the date first above written.


Registrar
SRM UNIVERSITY-AP
Andhra Pradesh-522 240
 [Sohail Mahammad]


Dinesh Reddy Vemula &


Ashu Abdul

("First party")

("Second party")

Signature

Signature

Annexure – 1 (Please check with finance)

Sl. No	Deliverables	Payment	Time period
1	<ol style="list-style-type: none">1. Designing technical architecture – including<ul style="list-style-type: none">* Clear description of process, data flow databases tools and services* Description of business Justification on the Tools* Description of technologies used2. Business architecture for the technical flow – inclusion of business metrics such as users and data among others3. Provide documentation for Knowledge transfer4. Description of budgets and skills needed for development5. Linguistics & Neuro-lingual Blackbox model integration with current architecture/code guidelines6. Provide a Playbook documentation for known & integration issues	Rs 1,22,600 + Taxes	30 days + 2 weeks buffer



AMERICAN UNIVERSITY EXPERIENCE PROGRAM AGREEMENT

BETWEEN

THE BOARD OF TRUSTEES OF WESTERN MICHIGAN UNIVERSITY

AND

SRM UNIVERSITY, ANDHRA PRADESH

This Agreement is entered on 19th day of October 2022 in order to promote the WMU American University Experience program (AUE) for students and cooperation between

The Board of Trustees of Western Michigan University (WMU) in Kalamazoo, Michigan, United States of America

and

SRM University, Andhra Pradesh (SRM AP) in Mangalgi, Numburu, Amravati, Andhra Pradesh, India, the universities agree as follows:

(Hereinafter referred to singularly as "The Party" and collectively as "The Parties").

1. The universities will encourage study abroad at WMU.
2. English Language Requirements: WMU requires AUE students enrolling at WMU to have sufficient command of the English language, based on the current English language requirements for admission into WMU. Details of these requirements can be found on the WMU International Student and Scholar Services webpage. Students who do not meet the English language requirements, may be admitted to WMU's Center for English Language and Culture for International Students (CELCIS) for English language study. Some students may be eligible for the WMU Pathway Program, which allows students to take both English language courses and academic coursework at the same time. For the purposes of this agreement, Pathway Program refers to the course plan and not the visa type.
3. Admissions Requirements: AUE students must meet all of WMU's international admissions requirements at the time of their nomination. WMU retains the right to review the students nominated and to make a final decision concerning admission. Students will be expected to be in good financial and academic standing and be currently enrolled at their home university at the time of application
4. Visas: Provided that SRM AP students meet all academic, financial, conduct, and admission requirements, at the sole discretion of WMU, and to the extent permitted by U.S. law, WMU will issue a Certificate of Eligibility to each such student so that the student may apply for a student visa. Whether to issue the Certificate of Eligibility, and which type, is at the sole discretion of WMU and will be granted only to the extent permitted by U.S. law. Nothing in this Agreement shall be interpreted to guarantee issuance of Certificates of Eligibility or visas, as there may be certain factors or U.S. federal requirements that would prohibit WMU from issuing a Certificate of Eligibility with which to apply for a visa.


22-Aug-22

2

NP. R. PREMKUMAR
 REGISTRAR
 SRM UNIVERSITY - AP
 Andhra Pradesh - 522240

5. Course Offerings: WMU will allow AUE students to study in those academic units at WMU for which WMU deems they are qualified and in which there is space available. Some courses and programs may have pre-requisite requirements or space limitations that cannot be waived for AUE students. The home institution will transfer any academic credit earned at WMU in accordance with
6. Transcripts: After completion of their AUE semester(s) at WMU, AUE students are responsible for requesting and paying for an official WMU transcript indicating the courses taken and the grades received.
7. Schedule: Students are expected to be in attendance the entirety of each semester enrolled. However, for students studying in CELCIS during fall and spring, but must return to SRM AP at the end of March, WMU will consider a modified schedule for their spring semester classes. A modified grade report will reflect the work completed prior to departure. Additional course information, such as attendance and classroom hours, may be provided upon request.
8. Extension of Stay: WMU will allow AUE students to study at WMU for a maximum of two semesters on the AUE program. If they seek to complete their degree at WMU, they must apply for and obtain degree admission. Nothing in this paragraph shall imply that degree admission will be granted. They will be charged full non-resident tuition for any additional semesters required to complete their degree program. In order to be admitted to WMU, students must meet all WMU's international admission requirements. AUE students holding J-1 student non degree status who wish to pursue a degree program will be advised to return to their home country and re-apply for the appropriate student visa for a degree program objective using consular processing abroad.
9. Tuition & Costs: WMU shall require AUE and AUE Pathway students to pay tuition and program fees for a full course of study to WMU. For students studying at CELCIS, the AUE CELCIS program fee reflects a 10% discount on CELCIS tuition and includes required fees. SRM AP students are responsible for all matters and expenses associated with applying for and obtaining necessary visas to enter and study in the United States. SRM AP students are also responsible for all costs of their travel, accommodation, living, other personal requirements, tuition and fees as well as any costs associated in returning to the student's home country in case of expulsion due to academic dismissal or student misconduct.
10. Housing: WMU requires AUE students to apply to reside on campus in the WMU Residence Halls. If accepted, AUE students shall live in a Residence Hall and shall pay all costs and expenses associated with living there. If a AUE student's application for on-campus housing is denied, the Haenicke Institute for Global Education and SRM AP will work together to determine alternate living arrangements.
11. Services: WMU shall provide to AUE students the full range of services normally available to international students enrolled at WMU.
12. Medical Insurance: Prior to the students' arrival to WMU, SRM AP will ensure the AUE students obtain medical insurance or equivalent access to medical services valid for use both while traveling to and from the WMU and while studying at the WMU, and provide proof thereof to WMU for immigration compliance purposes. Such insurance or access must cover the student during the entire period of his/her participation in the AUE Program. Costs for such services shall be borne by the AUE student.

22-Aug-22


Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240

13. Approvals: WMU shall seek approval or review of this Agreement from the Higher Learning Commission as appropriate.
14. Export control: The parties agree to fully comply with any and all export control laws that may be applicable to the exchange and transmission of any data, equipment, information, technology or personnel in the pursuit of the aims outlined above. The transfer of certain technical information or items may require a license from the respective governments of the Parties. No party may export or allow the export or re-export of any information or item when to do so would constitute a violation of those laws or regulations.
15. Requirements: As a public university, WMU is subject to the reporting requirements and protections required by Michigan's Freedom of Information Act (FOIA) and the Family Educational Rights and Privacy Act (FERPA). Should either party receive a request for student or program information covered by these or similar laws, it will notify the other institution prior to responding to the request.
16. Use of trademarks: Each institution is entitled to limited use of the other institution's marks and trademarks where appropriate in order to provide information about the cooperation under this Agreement. Each institution recognizes that the name, logo, seal, and short name (if any) of the other institution may be registered trademarks and may be used only with prior written permission from that institution. Unless otherwise permitted in writing, the institution's name or marks may not be used to imply institution endorsement. Either institution may revoke such permission at any time.
17. Equal opportunity: Each institution subscribes to a policy of equal opportunity and will not discriminate on the basis of race, gender, age, marital status, ethnicity, religion, national origin, or handicap or any other protected category listed in the WMU Non-Discrimination Policy.
18. Intellectual Property: The Parties agree that exchange students hosted at WMU shall be responsible for complying with intellectual property, privacy, and export laws and regulations of the United States of America and the State of Michigan.
19. Modifications: The terms of this Agreement may be modified by mutual written consent at any time.
20. Non-Exclusive Agreement: This Agreement should not be construed as an exclusive contract and the Parties, at their option, may enter into similar agreements with other entities.
21. Notices: Any notices required to be given under this Agreement shall be directed and sent to:

Western Michigan University


Dr. Paulo Zagalo-Melo
Associate Provost
Haenicke Institute for Global Education
1903 W. Michigan Ave.
Kalamazoo, MI 49008
USA
paulo.zagalo-melo@wmich.edu

SRM University, Andhra Pradesh

Dr. Naga Swetha Pasupuleti
Associate Director
International Relations and Higher Studies
Mangalgiri, Numburu, Amravati, Andhra
Pradesh, 522502
INDIA
assocdirector.ir@srmmap.edu.in

22-Aug-22


2

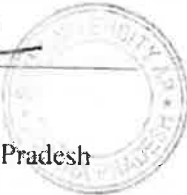

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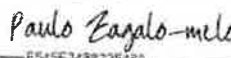
22. **Dispute Resolution:** The Parties agree to attempt to resolve any disputes informally. In the event that such informal resolution is not possible, the Parties agree at that time to accept whichever venue and jurisdiction is most reasonable based upon the circumstances.
23. **Term:** The initial term of this Agreement shall be for five years from the date it has been fully executed by both Parties.
- This Agreement may be terminated by either party with three months' advance written notice.
 - In the event of termination or dismissal, the Parties will work together to identify the appropriate next steps regarding any AUE Students who are then currently enrolled at WMU.
24. **Force Majeure:** Any prevention, delay or stoppage due to strikes, lockouts, labor disputes, acts of God, inability to obtain labor or materials or reasonable substitutes therefore, governmental restrictions, governmental regulations, governmental controls, enemy or hostile governmental action, civil commotion, fire or other casualty, epidemic or pandemic, and other causes beyond the reasonable control of the party obligated to perform (including financial inability), shall excuse the performance by such party for a period equal to any such prevention, delay or stoppage. During such time, the Parties retain their right to terminate as stated above.

This agreement has been written in two original copies in English.

In witness hereof, the parties have hereunto set their hand on the date written below on two copies of the Agreement, one for each party.


Dr. R. Premkumar
Registrar
SRM University, Andhra Pradesh



DocuSigned by:

Paulo Zagalo-Melo, Ph.D.
Associate Provost, Haenicke Institute for
Global Education
Western Michigan University

Date: 11/11/2022

Date: 9/16/2022

Dear Students,

Western Michigan University, USA: Semester Abroad Program (SAP) Spring 2023 (January - May 2023)

We are delighted to invite students to apply for a semester abroad program at **Western Michigan University, USA** for Spring 2023 semester (January - May 2023).

Western Michigan University, USA		1 \$ ≈ 80 INR	
Costs	USD \$	Rs Lacs	
Tuitions Fee	7750	6.20	
Living Expenses (including accommodation, food, health insurance books)	5812	4.65	
Travel (approx..)	2500	2.00	
Others	2500	2.00	
Net amount	18,562	14.85	

The net cost would be close Rs 15 - 16 lacs which broadly includes the host university tuition fee, health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this email carefully and only apply if you fit the criteria and interested.

Eligibility Criteria (All mandatory):

- B.Tech.** – Students from all the branches of Engineering (Civil Engineering, Electrical Engineering, Mechanical Engineering, Computer Engineering) who are currently in their 3rd year.
B.A. - Students who are in the branch (Economics) currently in their 2nd year.
B.Sc.- Students who are in the branch (Chemistry, Computer Science) currently in their 2nd year.

2. **CGPA > 8.5**

3. No standing backlogs in the courses

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

Please submit your application through SRMAP Student Portal by no later than Saturday, 10 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmap.edu.in

For any technical support, please write to itkm.helpdesk@srmap.edu.in

The shortlisted candidates will be called for interviews in due course.

Semester Abroad Program (SAP) - Spring 2024

"Make your January to June Semester International".

The United States of America

*Last date to Apply (SRM AP Student Portal) – September 23, 2023

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accomo.)	Total Cost (Approx)
1	University of Wisconsin-Madison	65	2021	6	B.Tech.	Computer Science and Engineering	8	11,50,000	9,00,000	21,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	8			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8			
			2021	6	B.Tech.	Mechanical Engineering	8			
			2021	6	B.Tech.	Civil Engineering	8			
			2022	4	Bachelor of Business Administration (BBA)		8			
2	Illinois Institute of Technology- Chicago	443	2021	6	B.Tech.	Computer Science and Engineering	8.5	9,00,000	9,00,000	18,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	8.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8.5			
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Civil Engineering	8.5			
			2022	4	Bachelor of Business Administration (BBA)		8.5			



Semester Abroad Program (SAP) - Spring 2024



3	University of California - Berkeley	27	2021	6	B.Tech.	Civil Engineering	9.5	16,00,000	8,00,000	24,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	9.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	9.5			
			2021	6	B.Tech.	Mechanical Engineering	9.5			
			2021	6	B.Tech.	Computer Science and Engineering	9.5			
			2022	4	Bachelor of Business Administration (BBA)	9.5				
4	University of California - Davis	102	2021	6	B.Tech.	Civil Engineering	8.5	10,00,000	8,00,000	18,00,000
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Computer Science and Engineering	8.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8.5			
5	Western Michigan University	1001-1200	2021	6	B.Tech.	Electrical Engineering	8.5	6,80,000	8,00,000	15,00,000
			2021	6	B.Tech.	Civil Engineering	8.5			
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Computer Engineering	8.5			
			2022	4	Bachelor of Science	Chemistry	8.5			
			2022	4	Bachelor of Science	Computer Science	8.5			
			2022	4	Bachelor of Arts	Economics	8.5			

Semester Abroad Program (SAP) - Spring 2024



6	University of Notre Dame International	243	2022	4	B. Tech.	Electrical Engineering	9	14,26,000	9,50,000	24,00,000
			2021	6	B. Tech.	Electrical Engineering	9			
			2022	4	B. Tech.	Civil Engineering	9			
			2021	6	B. Tech.	Civil Engineering	9			
			2022	4	B. Tech.	Computer Engineering	9			
			2021	6	B. Tech.	Computer Engineering	9			
			2022	4	B. Tech.	Mechanical Engineering	9			
			2021	6	B. Tech.	Mechanical Engineering	9			
			2022	4	Bachelor of Science	Computer Science	9			
			2022	4	Bachelor of Science	Mathematics	9			
			2022	4	Bachelor of Science	Physics	9			
			2022	4	Bachelor of Science	Chemistry	9			

*Student applying to SAP should have **NO** existing backlog.

*Please submit your application through SRMAP Student Portal by no later than Saturday, 23 September 2023. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.

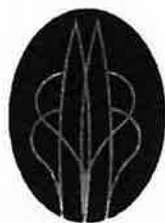
MEMORANDUM OF UNDERSTANDING

BETWEEN

UNIVERSITI TEKNOLOGI PETRONAS

AND

SRM UNIVERSITY AP



**UNIVERSITI
TEKNOLOGI
PETRONAS**



1.1.2 Research Collaboration

- (a) Joint Research
- (b) Joint Publication

1.1.3 Student Mobility and Internship

1.1.4 Staff Exchange and Visiting Scholar

1.1.5 Any other activities that the Parties deem mutually beneficial.

In the event the Parties mutually agree to pursue any of the abovementioned activities, a separate written document shall be entered into to detail out the roles and obligations of the Parties.

- 1.2 Each Party shall use all means reasonably available to it subject to ordinary budgetary and financial constraints so as to ensure successful implementation of the Collaboration and the Parties shall use their best endeavour to collaborate in good faith to the best interest of all Parties.

2. CONFIDENTIALITY

- 2.1 The Parties agree that the Collaboration may involve the disclosure of certain confidential information of the Parties respectively. For the purpose of this MoU, the term "Confidential Information" refers to any and all information including but not limited to information pertaining to curriculum, courses, syllabus, teaching materials, research activities and technical information made available by a Party ("Disclosing Party") to the other Party ("Receiving Party") during the course of the Collaboration. All "Confidential Information" shall be marked or identified as "CONFIDENTIAL" in writing and in a conspicuous manner at the time it is disclosed to the Receiving Party.

- 2.2 The Receiving Party hereby covenants to keep in strict confidence all Confidential Information and undertakes not to divulge or disclose the Confidential Information to any third party without specific written permission of the Disclosing Party. The confidentiality obligations hereunder shall not apply to the Confidential Information which:

- a. is or has become obsolete or is already in the public domain without any breach of the provisions in Clause 2 herein;
- b. is already in the possession of the Party prior to the execution of this MoU;
- c. is independently developed or obtained by the Party;
- d. is obtained by the Party from any third party without confidentiality obligations; or



- e. a court of competent jurisdiction or any governmental or regulatory body orders to disclose the Confidential Information, provided however, that such disclosure is limited to that which is required to be disclosed.

2.3 The provision of this Clause 2 shall survive the expiry or termination of this MoU.

3. INTELLECTUAL PROPERTY

3.1 For the purpose of this MoU, Intellectual Property Rights shall include all data, specifications, materials, research activities and technical information solutions, drawings, know-how and technical information developed, obtained, created, written, prepared or discovered, whether patentable nor not, arising from the Collaboration or otherwise brought into existence pursuant to this MoU. Specifically:


- a. Background Intellectual Property Rights shall include any Intellectual Property Rights that are possessed by each Party prior to the commencement of this MoU and/or developed independently by the Parties. Any Background Intellectual Property Rights that are made available as between the Parties for the performance of the Collaboration shall remain the separate property of the Party making such Background Intellectual Property Rights available, and nothing in this MoU shall be construed to grant any implied license to the other Party to use such Background Intellectual Property Rights other than in performance of this Collaboration.
- b. Foreground Intellectual Property Rights shall include any Intellectual Property Rights that arise, or are obtained or developed, created, written, prepared and discovered jointly by the Parties, arising or otherwise brought into existence pursuant to this Collaboration.

3.2 The ownership of all Foreground Intellectual Property Rights arising out of the Collaboration shall be expressly subject to a separate written agreement to be mutually agreed by the Parties.

4. DURATION, TERMINATION AND WITHDRAWAL

4.1 Duration

- a. This MoU shall come into effect upon signing by the Parties and remain in force for a period of five (5) years. The Parties may, by a three (3) month written notice to the other before expiry of the MoU, apply to extend this MoU on mutually agreed terms failing which this MoU shall lapse and shall be of no further effect and neither Party shall have any further claims against the other thereafter.


Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240



- b. Without prejudice to the provisions in (a) above, the Parties may in the course of implementation of the terms of this MoU, execute a formal Collaboration Agreement or any other such written agreements in respect of any developments and/or expansion to the scope of the collaboration arising from the MoU.

4.2 Termination and Withdrawal from the MoU

- a. Either Party may terminate or withdraw from this MoU for any reason whatsoever by providing to the other Party a three (3) month written notice of its intention to terminate or withdraw from this MoU.
- b. Upon termination of this MoU, neither Party shall be liable to the other in respect of any claims, damages, costs or expenses of any nature except for those rights arising from Clause 2 herein before provided.

5. COST AND EXPENSES

Each Party shall bear its own costs and expenses incurred in the preparation, execution, stamping and implementation of this Agreement.

6. DISCLAIMER

Each Party shall be solely responsible for its own acts and omissions (and the acts and omissions of its directors, employees, consultants and other agents) and no Party shall have the authority nor shall it purport to act for, or legally binds, the other Party in a transaction with a third party except as authorised in writing by the Parties.

7. GOVERNING LAW

This MoU shall be governed by and construed in accordance with the laws of Malaysia.

8. RELATIONSHIP OF THE PARTIES

Nothing contained in this MoU shall be construed as establishing or creating between the Parties a relationship of master-and-servant or of principal-and-agent. The relationship between the Parties shall be that between equal independent contractors.

9. NON-BINDING OBLIGATIONS

- 9.1 The Parties do hereby agree, declare, covenant and undertake that this MoU outlines the understanding between the Parties with regard to the subject matter herein and may be subject to change or variation at the absolute discretion of the



Parties herein, in the course of implementation of the collaboration, provided always that such discretion is exercised only upon mutual consent of the Parties.

9.2 The Parties do further hereby agree, declare, covenant and undertake that except where it is specifically provided herein, the MoU is not intended to create any legal obligations and shall not be legally binding on the Parties hereto.

10. NAME, OFFICIAL EMBLEM AND LOGO

10.1 Neither Party shall use, nor permit any person or entity to use the name, acronym, official emblem, logo trademark (or any variation thereof) or other Intellectual Property (hereinafter referred to as "Brand Materials") that is/are identified with or belongs to the other Party on any publication, document, paper, audio or visual presentation, or for publicity purposes.

10.2 Any use of the Brand Materials for the purposes stated in Clause 10.1 above shall first obtain the written consent of the other Party and shall comply with all reasonable instructions as to the use of the other party's Brand Materials.

11. MISCELLANEOUS

11.1 The official language to be used for execution and cooperation under this MoU shall be English.

11.2 Any amendment or modification to this MoU shall be made upon mutual consent of the Parties vide a written notice executed by the duly authorised representative(s) of each Party hereto.

11.3 A waiver of any of the rights or remedies available to any Party hereto shall not be valid and effective unless expressed in writing and executed by the duly authorised representative(s) of the Party. Such a waiver by any of the parties hereto shall not be construed as a waiver in respect of any other breach, antecedent or future.

11.4 Each Party shall be solely responsible for their respective tax implications (if any) arising out of the performance of the terms and conditions of this MoU.

12. NOTICES

12.1 Any notice (including any approval, consent or other communication) in connection with this Agreement shall be:

a. made in writing in the English language;

- b. delivered by hand or sent by prepaid courier to the address of the addressee and marked for the attention of the person so specified, or to such other address or facsimile number, and/or marked for the attention of such other person as the relevant party may from time to time specify by notice given in accordance with this clause.
- c. The relevant details of each Party at the date of this Agreement are:

For ITPSB

Address : Universiti Teknologi PETRONAS
32610 Bandar Seri Iskandar, Perak
Telephone no : 1-300-22-8887
E-Mail Address : alliance@utp.edu.my
Designation : Chief Strategy Officer

For SRMAP

Address : Neerukonda, Mangalagiri Mandal, Guntur District,
Mangalagiri, Andhra Pradesh 522240
Telephone no : +91-9871018881
E-Mail Address : assocdirector.ir@srmmap.edu.in
Designation : Associate Director – International Relations and Higher
Studies

- 12.2 In the absence of evidence of earlier receipt, any notice shall take effect from the time that it is deemed to be received in accordance with Clause 12.3 below.
- 12.3 A notice is deemed to be received in the case of delivery by hand or by prepaid courier to the address of the addressee, on the day on which it is received at that addressee's address.
- 12.4 A notice received or deemed to be received in accordance with Clauses 12.3 and 12.7 on a day, which is not a Business Day, or after 5 p.m. on any Business Day according to local time in the place of receipt, shall be deemed to be received on the next following Business Day.
- 12.5 For the purposes of this Clause 12, "Business Day" shall mean a day not being a Saturday, Sunday or gazetted public holiday in the place where the notice is received.
- 12.6 Each Party undertakes to notify the other Party by notice served in accordance with this Clause if the address specified under Clause 12.1.c is no longer an appropriate address for the service of notices and/or formal correspondence.

12.7 Electronic communication

Any communication to be made between any Parties under or in connection with this Agreement may be made by electronic mail or other electronic means, to the extent that the Parties agree that, unless and until notified to the contrary, this is to be an accepted form of communication and if the Parties:

- a. notify each other in writing of their electronic mail address and/or any other information required to enable the sending and receipt of information by that means;
- b. notify each other of any change to their address or any other such information supplied by giving them not less than five (5) Business Days' notice.
- c. any electronic communication made between the Parties will be effective only when actually received in readable form.

[END OF CLAUSES]




Dr. R. PREMKUMAR
REGISTRAR
SRM UNIVERSITY - AP
Andhra Pradesh - 522240



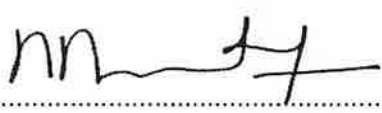
IN WITNESS WHEREOF, the Parties hereto have caused this Memorandum of Understanding to be executed by their respective duly authorised representatives on the day and year first above written.

For and on behalf of
INSTITUTE OF TECHNOLOGY PETRONAS SDN. BHD.

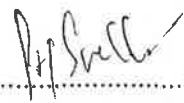
By : 
Name : Prof. Dr. Mohamed Ibrahim Bin Abdul Mutalib
Designation : Vice Chancellor and CEO

In the presence of : 
Name : Zaimizi bin Hamdani
Designation : Chief Strategy Officer

For and on behalf of
SRM UNIVERSITY AP

By : 
Name : **DR. R. PREMKUMAR**
Designation : Registrar
SRM UNIVERSITY - AP
Andhra Pradesh - 522240



In the presence of : 
Name : Dr. Naga Swetha Pasupuleti
Designation : Associate Director – International Relations and Higher Studies



The Directorate of International Relations & Higher Studies

Dear Sir/Mam,

The Directorate of International Relations & Higher Studies in collaboration with Universiti Teknologi PETRONAS, Malaysia organized Malaysia Global Immersion Programmes.

The details of the Malaysia Global Immersion Programmes are as follows:

Sl: No	Country	Start Date	End date	Duration of program	No. of students Participated
1	UTP Student Familiarization Programme Batch -1	19th June 2022	25th June 2022	1 Week	21
2	UTP Student Familiarization Programme Batch -2	26th June 2022	2nd July 2022	1 Week	26
3	UTP Student Familiarization Programme Batch -3	17th July 2022	27th July 2022	10 Days	29
4	UTP Malaysia (Winter)	19th Jan 2023	28th Jan 2023	11 Days	17
GRAND TOTAL					93

Regards,

Mr. Sandeep Samala,

Sr. Program Coordinator,

IR & HS Department.

Directorate of International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

SRM University, AP - Andhra Pradesh, Neerukonda Post, Mangalagiri (MD), Guntur (DT),

Andhra Pradesh 522502, www.srmmap.edu.in, Phone: 0863 - 234 300

Name of the Faculty	Contact Number	Department	Start Date	End date	Duration of program
Dr. Sunil Chinnadurai	94446 01117	Electronics and Communications Engineering	19th June 2022	25th June 2022	1 Week

Sl.No	Name of the Student	Enrollment Number	Gender	Email ID	Contact Number	Semester	Department	Batch
1	Pranjal Parwal	AP19211010015	Male	pranjal_parwal@smap.edu.in	7893088382	6	Management	19th June - 25th June (Batch 1)
2	Raga Chandralekha Kodavali	AP19211010051	Female	chandralekha_kodavali@smap.edu.in	9676286289	6	Management	19th June - 25th June (Batch 1)
3	Sk Husna Bano	AP19211010048	Female	husnabano_shaik@smap.edu.in	9390278518	6	Management	19th June - 25th June (Batch 1)
4	Bondalapati Ajay	AP19110010464	Male	ajay_bondalapati@smap.edu.in	9949596171	6	CSE	19th June - 25th June (Batch 1)
5	Sirisha Ravi	AP19211010031	Female	sirisha_ravi@smap.edu.in	9381109195	6	Management	19th June - 25th June (Batch 1)
6	Valeti Manish	AP19110010204	Male	manish_valeti@smap.edu.in	9121847678	6	CSE	19th June - 25th June (Batch 1)
7	Bharath Chandra Kongara	AP19110010228	Male	bharathchandra_kongara@smap.edu.in	6309525346	6	CSE	19th June - 25th June (Batch 1)
8	Akhil Baimeni	AP19110010162	Male	akhil_baimeni@smap.edu.in	9492033033	6	CSE	19th June - 25th June (Batch 1)
9	Gowtham Nalluri	AP19110010254	Male	gowthamnalluri0@gmail.com	9618704040	6	CSE	19th June - 25th June (Batch 1)
10	Akshitha Jain	AP19211010046	Female	akshitha_jain@smap.edu.in	8897370655	6	Management	19th June - 25th June (Batch 1)
11	Kolli Sukhdev	AP19110010276	Male	sukhdev_kolli@smap.edu.in	6281486313	6	CSE	19th June - 25th June (Batch 1)
12	Chebium Sai Pranay	AP19110010255	Male	saipranay_c@smap.edu.in	9989263214	6	CSE	19th June - 25th June (Batch 1)
13	Nandamuri Laasya Choudary	AP19110010248	Female	laasya_nandamuri@smap.edu.in	9701464499	6	CSE	19th June - 25th June (Batch 1)
14	Samardh Kaulvar	AP19110010144	Male	samardh_kaulvar@smap.edu.in	8121386884	6	CSE	19th June - 25th June (Batch 1)
15	Mirza Mohammed Masood	AP19211010007	Male	mirzamasood56@gmail.com	9618319699	6	Management	19th June - 25th June (Batch 1)
16	Ganipinani Likhita	AP19110010489	Female	likhita_subramanyam@smap.edu.in	7780486396	6	CSE	19th June - 25th June (Batch 1)
17	Sanagavarapu V M Naga Charan	AP19110010238	Male	nagacharan_v@smap.edu.in	8790828508	6	CSE	19th June - 25th June (Batch 1)
18	Sashank Venkata Challapalli	AP19110010285	Male	sashank_venkatachallapalli@smap.edu.in	9494945394	6	CSE	19th June - 25th June (Batch 1)
19	N. Lakshmi Swama Durga	AP19110010334	Female	swama_durga@smap.edu.in	8688145242	6	CSE	19th June - 25th June (Batch 1)
20	Sudeep Kandula	AP19110010509	Male	sudeep_kandula@smap.edu.in	9440300045	6	CSE	19th June - 25th June (Batch 1)
21	Paturi Jayanth Varun	AP19110010533	Male	Jayanthvarun_paturi@smap.edu.in	8520002640	6	CSE	19th June - 25th June (Batch 1)

[Handwritten Signature]
 Director of JSS (AP) Institute of Higher Studies
 SRM University - 25th June
 Hyderabad

Name of the Faculty Dr. Uma Maheswar	Contact Number 95895 43331	Department Civil Engineering	Start Date 17th July 2022	End Date 27th July 2022	Duration of program 10 Days
--	--------------------------------------	--	-------------------------------------	-----------------------------------	---------------------------------------

S.No	Name of the Student	Enrollment Number	Gender	Email ID	Semester	Department	Batch
1	Praneeth Vadapalli	AP19110050015	Male	vedoran@gmail.com	6	Civil Engineering	17th July 2022 - 27 th July 2022 (Batch-3)
2	MANASWINI SURUSOMAYAJULA	AP20110020027	Female	manaswini_s@srmap.edu.in	4	ECE	17th July 2022 - 27 th July 2022 (Batch-3)
3	Manideep Surusomayajula	AP20110010255	Male	manideep_surusomayajula@srmap.edu.in	4	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
4	H R Karthika	AP20110020065	Female	karthika_hosakote@srmap.edu.in	4	ECE	17th July 2022 - 27 th July 2022 (Batch-3)
5	Vishnu Mallampalli	AP19110020020	Male	vishnu_mallampalli@srmap.edu.in	6	ECE	17th July 2022 - 27 th July 2022 (Batch-3)
6	Karuna sree Mynam	AP20110010300	Female	blissykaruna@gmail.com	4	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
7	Nerusu Nalini	AP19110010409	Female	nalini_nerusu@srmap.edu.in	6	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
8	Karumanchi Sajidabi	AP19110010389	Female	sajidabi_karumanchi@srmap.edu.in	6	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
9	Panchumani Payaswini	AP20110010339	Female	payaswini_panchumani@srmap.edu.in	4	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
10	Kesava Sriram Kohamasu	AP21110010410	Male	kesavasriram_k@srmap.edu.in	2	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
11	Shravani Vedantham	AP21110010778	Female	shravani_vedantham@srmap.edu.in	2	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
12	Hema Nikhitha Edupuganti	AP19110010505	Female	hema_nagendra@srmap.edu.in	7	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
13	Kandula Avinash	AP19110010508	Male	avinash_kandula@srmap.edu.in	7	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
14	Sai Aashriti Surapaneni	AP19110010361	Male	aashriti_s@srmap.edu.in	7	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
15	Palli Sai Yashwanth Naidu	AP20110030012	Male	Saiyashwanth2001@gmail.com	4	Mechanical Engineering	17th July 2022 - 27 th July 2022 (Batch-3)
16	M Bhanusumanthreddy	AP19110010105	Male	sumanthreddy_mumangi@srmap.edu.in	6	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
17	Thimireddy Garri Nandini	AP19110010128	Female	nandini_t@srmap.edu.in	7	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
18	HANISHA BORRA	AP19110020115	Female	hanisha_borra@srmap.edu.in	7	ECE	17th July 2022 - 27 th July 2022 (Batch-3)
19	M. sarayu	AP21110010796	Female	m_sarayu_t@gmail.com	2	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
20	Kondaveeti Anugra Sai	AP19110010414	Male	anugraasai_kondaveeti@srmap.edu.in	6	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
21	Nihal Alasoya	AP20311130030	Male	aharuya_nihal@srmap.edu.in	4	Management	17th July 2022 - 27 th July 2022 (Batch-3)
22	Chalamasaity Takur Sai Karthik	AP19110010329	Male	karthik_chalamasaity@srmap.edu.in	7	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
23	Kota Venkata Tarun	AP19110010061	Male	venkatarun_kota@srmap.edu.in	7	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
24	Birkuru Jaya Lakshmi Bhavanga	AP192110060005	Female	bhavanga_birkuru@srmap.edu.in	6	Psychology	17th July 2022 - 27 th July 2022 (Batch-3)
25	Sullanul Arifeen Shaik	AP192111200005	Female	sultanul_arifeen@srmap.edu.in	6	Economics	17th July 2022 - 27 th July 2022 (Batch-3)
26	Sal Amruth	AP21110010962	Male	Samanth_d@srmap.edu.in	2	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
27	Guntupalli Sai Manasvi	AP19110010140	Female	manasvi_guntupalli@srmap.edu.in	7	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
28	Yamini Myrneni	AP19110010034	Female	yamini_myrneni@srmap.edu.in	7	CSE	17th July 2022 - 27 th July 2022 (Batch-3)
29	Rohan Middala	AP21110010488	Male	rohan_middala@srmap.edu.in	2	CSE	17th July 2022 - 27 th July 2022 (Batch-3)

Prof. Sree Devi

Directorate of International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

Sl: No	Country	Start Date	End date	Duration of program	Staff and Faculty
1	U.P. Madhya	28th June 2022	2nd July 2022	1 Week	Dr. Anurajidul

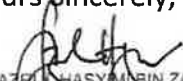
Sl.No	Name of the Student	Enrollment Number	Gender	Email ID	Semester	Contact Number	Department	Batch
1	Leekah Aida	AP20110010170	Male	leekah_auida@srmap.edu.in	4	7032265666	CSE	26th June - 2nd July (Batch 2)
2	Rishita Sripalle	AP20111340015	Female	Rishita_sripalle@srmap.edu.in	4	8919662589	Management	26th June - 2nd July (Batch 2)
3	Janga Dharm Tejavathi	AP20110010336	Female	dharmatejavathi_janga@srmap.edu.in	4	9603111333	CSE	26th June - 2nd July (Batch 2)
4	Choudhury Chetan Saadhar	AP21110010510	Male	saadhar_choudhury@srmap.edu.in	2	9246111882	CSE	26th June - 2nd July (Batch 2)
5	Sai Surya Koburu	AP2100000504	Male	saiyurysai@srmap.edu.in	4	9581814888	Management	26th June - 2nd July (Batch 2)
6	INDRAJATI Jayanthi sai	AP20111340017	Female	jayanthi_indrajati@srmap.edu.in	4	7674016758	Management	26th June - 2nd July (Batch 2)
7	Sai Shreya Alekham	AP20111340015	Female	Saishreya_alekham@srmap.edu.in	4	6301757070	Management	26th June - 2nd July (Batch 2)
8	Nikhila Pulivarthi	AP20110010584	Female	nikhila_pulivarthi@srmap.edu.in	4	9290092989	CSE	26th June - 2nd July (Batch 2)
9	M.Durga Sai Rohan	AP19110050001	Male	saurohan_mdivyasa@srmap.edu.in	6	7396299614	Civil Engineering	26th June - 2nd July (Batch 2)
10	Sakree Kumaran	AP20111310008	Female	Sakree_k@srmap.edu.in	4	7702865962	Psychology	26th June - 2nd July (Batch 2)
11	Ubhish Gupta sanku	AP20111310007	Male	ubhishgupta_sanku@srmap.edu.in	4	8699570363	Management	26th June - 2nd July (Batch 2)
12	PRAVEN KUMAR SRANJANAM	AP20111200001	Male	pravens_pravenam@srmap.edu.in	4	7989586592	Computer Science	26th June - 2nd July (Batch 2)
13	Bunam Gopichand	AP19110040013	Male	gopichand_bunam@srmap.edu.in	6	8008154579	EEE	26th June - 2nd July (Batch 2)
14	RAVINDRA LAKSHMI ANRUGSHI	AP19110040016	Female	lakshmi_ravindrash@srmap.edu.in	6	8187037641	EEE	26th June - 2nd July (Batch 2)
15	Gandireddy Sour Praveen	AP19110040005	Male	sourpraveen_gandireddy@srmap.edu.in	6	9848690992	EEE	26th June - 2nd July (Batch 2)
16	M Surya Prakash	AP19110010082	Male	suryaprakash_m@srmap.edu.in	6	9177917333	CSE	26th June - 2nd July (Batch 2)
17	M V S Akash	AP20110010006	Male	akash_manchikanti@srmap.edu.in	4	8465166465	CSE	26th June - 2nd July (Batch 2)
18	Gagan Vignesh	AP20110010032	Male	gagan_vignesh@srmap.edu.in	4	8500733744	CSE	26th June - 2nd July (Batch 2)
19	Enanesh Machavarepu	AP20110010062	Male	enanesh_machavarepu@srmap.edu.in	4	9959243679	CSE	26th June - 2nd July (Batch 2)
20	Saibhika Vegajju	AP20110010022	Female	saibhika_vegajju@srmap.edu.in	4	7095862477	CSE	26th June - 2nd July (Batch 2)
21	Sweethi Velampati	AP20110010076	Female	sweethi_velampati@srmap.edu.in	4	9499331233	CSE	26th June - 2nd July (Batch 2)
22	Abhaav Ravuri	AP21111300014	Male	abhaav_ravuri@srmap.edu.in	2	690573724	Management	26th June - 2nd July (Batch 2)
23	G.Ram Dheeraj	AP19110050017	Male	ram_dheeraj@srmap.edu.in	6	9502730288	Civil Engineering	26th June - 2nd July (Batch 2)
24	HEMA SRI KASHITHA CHIDVADYAR	AP19110010130	Female	Srihambhika_hema@srmap.edu.in	6	9553718888	CSE	26th June - 2nd July (Batch 2)
25	Tulsi Valluru	AP19110050004	Female	valluru_tulsi@srmap.edu.in	6	9440512076	Civil Engineering	26th June - 2nd July (Batch 2)
26	BOKAM KARSHIMA	AP19110040009	Female	karshima_bokam@srmap.edu.in	6	9000317267	EEE	26th June - 2nd July (Batch 2)

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Directorate of International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

Thank you.

Yours Sincerely,


AZRUL HASYIMI BIN ZABIDI
Azrul Hasyimi B Zabidi
Centre for Student Development
Universiti Teknologi PETRONAS

Senior Manager, Student Mobility Office
Centre for Student Development
Universiti Teknologi PETRONAS (UTP)

STUDENT LIST

S.No	Full name of the student	Passport Number	Enrollment Number	Gender
1	Mallampalli Aishwary	U3525742	AP20110010209	Male
2	Myneni Komal Krishna	U7677260	AP22110010303	Male
3	Kattepogu Sahithi	U8922981	AP22110011352	Female
4	Kattepogu.Sathwika	U8444515	AP21110020066	Female
5	Vemuri Sathwika	T9005428	AP20110010213	Female
6	Ummadisetty Kavya Sree	W6944001	AP20110010175	Female
7	Lohith Ranganadha Reddy Kandula	Z6416936	AP20110010161	Male
8	Velaga Manisha	V9891844	AP20110010182	Female
9	Kancharla Geethika Sai	W7695014	AP20110010215	Female
10	Venkata Sesha Satya Tejaswi Abburi	V9892522	AP20110010079	Female
11	K. Tarun Vardhan	T5231519	AP20110010297	Male
12	Munnelli Sirisha	W5802140	AP21110010811	Female
13	Nallamothu Rhema Faith	R7203789	AP20110010208	Female
14	Hemaj Venkata Siva Sai Namburu	W7699733	AP21110010439	Male
15	Navyasri Nannapaneni	W7825765	AP21110010338	Female
16	Kakumanu Venkata Naga Vamsi	V3165152	AP20110010254	Male
17	Doddi Chaitanya Srinivas	W7696914	AP20110010631	Male
18	Pritam Sanagapalli	W3580543	AP22110010309	Male
19	Soumyadeep Das	W5511993	AP20110010181	Male
20	Gokul Nagari	W7706127	AP21110010797	Male
21	Fayaz Ahmed Shaik	W7708538	AP20110010149	Male



UNIVERSITI
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energising futures

27th December 2022

Asso. Prof. Dr. Naga Swetha Pasupuleti
SRM University

Dear Prof/Assoc. Prof/Sir/Madam,

Invitation to participate in Familiarization Programme 2023 at Universiti Teknologi PETRONAS, Malaysia

On behalf of Universiti Teknologi PETRONAS (UTP), we hereby officially invite your students to participate in our programme at Universiti Teknologi PETRONAS. The details of the programme are as stated below:

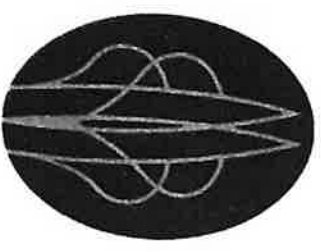
Programme Objective:	The UTP Familiarization Programme 2023 is to introduce international students to the UTP learning environment which require them to attend six short courses, in addition to experiencing local attractions, city tours, and cultural Malaysian cuisine.
Period Programme:	19 th – 28 January 2023
Organiser:	Student Mobility Office, Centre for Student Development & Electrical & Electronics Engineering Department.
Programme Fee:	USD 550 per person
No. of Participants:	21 students (refer to attachment)
Accompanying Officer:	Associate Professor Dr Naga Swetha Pasupuleti Dr. Prakash Jadhav
Accommodation:	UTP off-campus accommodation – D'Art Hotel

I would very much appreciate if you could extend necessary assistance to the invited participants with regards to the administrative formalities to ensure the success of their visit to Malaysia.

Should you require further information or clarification, please do not hesitate to contact the person in charge, Ms Khairunnisa Aimi at +6053688525 or email at khairunnisa.ghazali@utp.edu.my

2022 - Batch - 1 / Faculty

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

DR. SUNIL CHINNADURAI

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

at

Universiti Teknologi PETRONAS

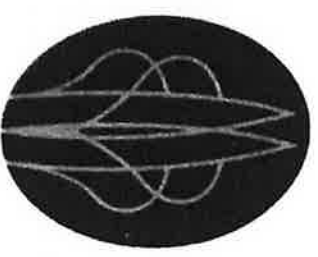
AP Dr NurFidia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch-1/01

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
PRANJAL PARWAL

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

at

Universiti Teknologi PETRONAS

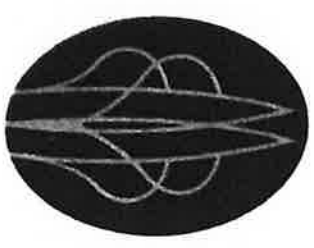
AP Dr NurIdia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Babsh-1/02

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

RAGA CHANDRALEKHA KODAVALI

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

at

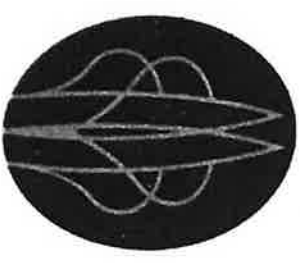
Universiti Teknologi PETRONAS

AP Dr NurIdia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

CERTIFICATE of Participation



UNIVERSITI
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This is to certify that

SK HUSNA BANO

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

at

Universiti Teknologi PETRONAS

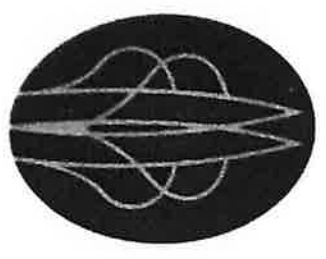
AP Dr NurTidia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Babah-1/04

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
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This is to certify that
BONDALAPATI AJAY

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

at

Universiti Teknologi PETRONAS

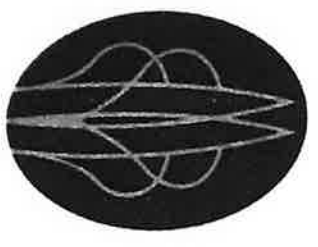
AP Dr Nurfidia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch-1/05

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

SIRISHA RAVI

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

at

Universiti Teknologi PETRONAS

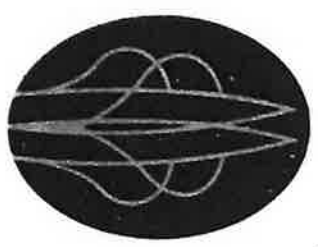
AP Dr NurIdia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 1/06

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

VALETI MANISH

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

at

Universiti Teknologi PETRONAS

AP Dr NurFidia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

CERTIFICATE of Participation

This is to certify that

BHARATH CHANDRA KONGARA

from

SRM UNIVERSITY-AP, INDIA

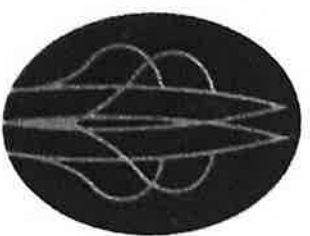
has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

at

Universiti Teknologi PETRONAS



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AP Dr NurFidia Mansor

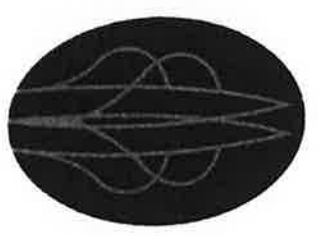
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 1/07

2022 - Batch-1/08

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

AKHIL BALINENI

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

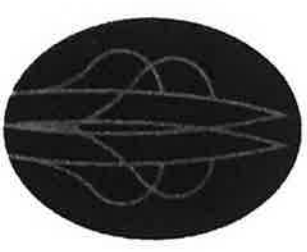
at

Universiti Teknologi PETRONAS

AP Dr Nuflidia Mansor
Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 1/09

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
GOWTHAM NALLURI

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

at

Universiti Teknologi PETRONAS

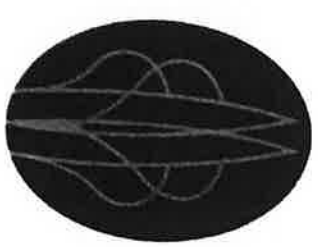
AP Dr NurFidia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 1/10

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

AKSHITHA JAIN

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

at

Universiti Teknologi PETRONAS

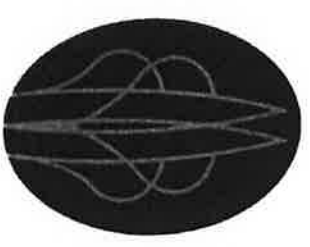
AP Dr Nurliadia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 1/11

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

KOLLI SUKHDEV

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

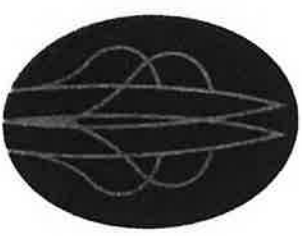
at

Universiti Teknologi PETRONAS

AP Dr Nurliida Mansor
Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch-1/12

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

CHEBIUM SAI PRANAY

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

at

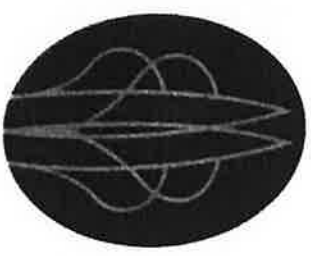
Universiti Teknologi PETRONAS

AP Dr NurIdia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Babah-1/13

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

NANDAMURI LAASYA CHOUDARY

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 19th - 25th June 2022

at

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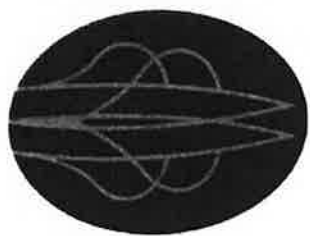
AP Dr NurFidia Mansor

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SAMARDH KAULWAR

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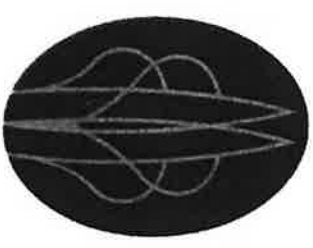
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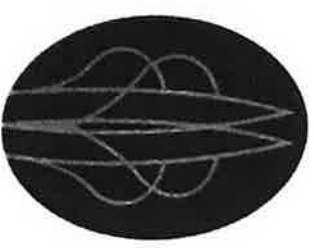
AP Dr NurIdia Mansor

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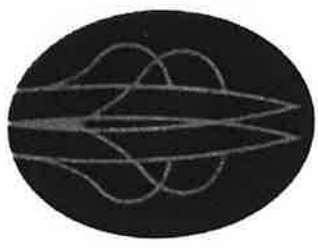
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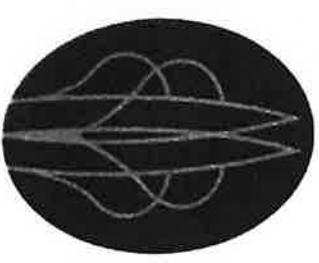
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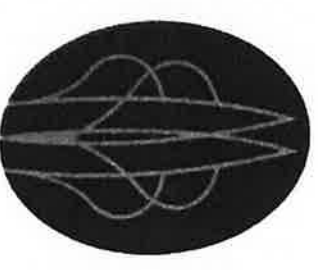
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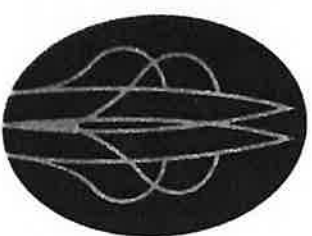
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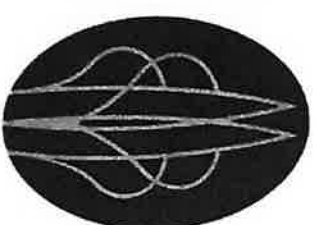
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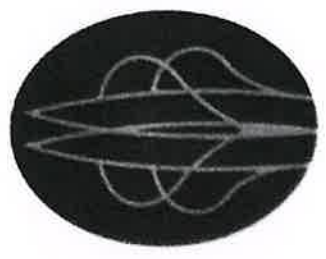
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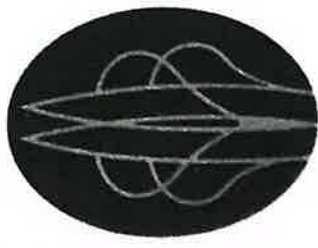
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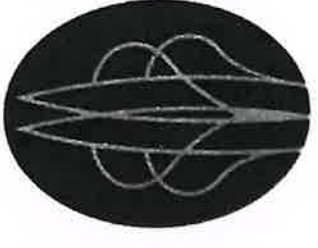
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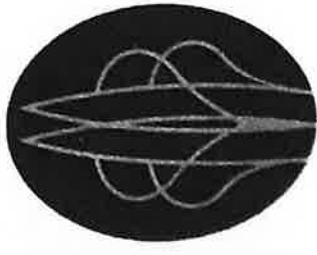
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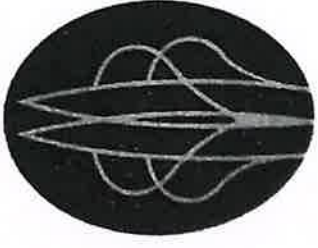


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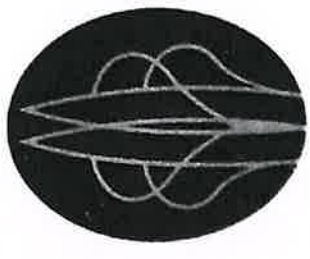
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IDUPULAPATI JASWANTH SAI

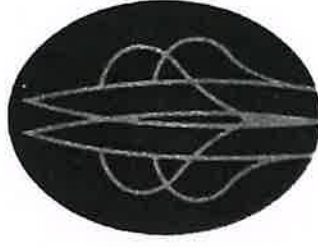
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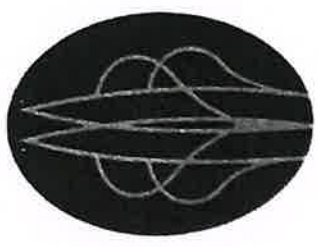
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NIKHILA PULIVARTHI

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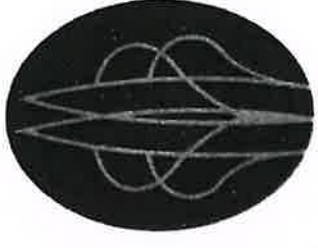


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MITHINTI DURGA SAI ROHAN

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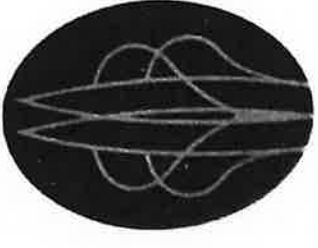
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SAISREE KUMARAN

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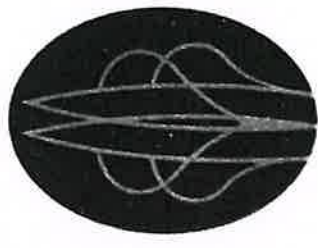
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LITHISH GUPTA SANKA

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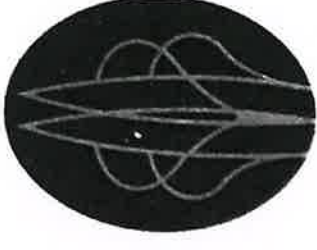
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PRAVEEN KUMAR SRAVANAM

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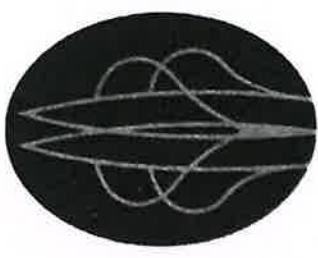
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BUSAM GOPICHAND

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SRM UNIVERSITY-AP, INDIA

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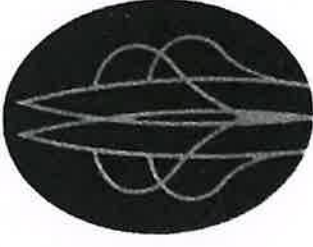
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RAYUDU LAKSHMI AVINASH

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Familiarization Programme 2022

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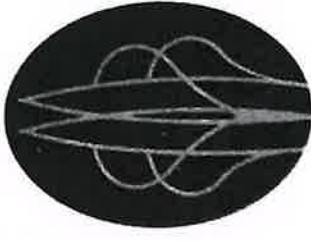
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GUNDREVULA SISIR SRIVATSAV

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Familiarization Programme 2022

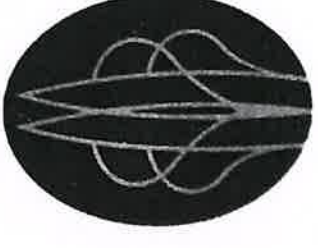
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A handwritten signature in black ink, appearing to read 'AP Dr NurTidia Mansor'.

AP Dr NurTidia Mansor
Senior Director

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MEESALA SURYA PRAKASH

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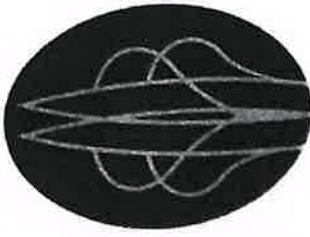


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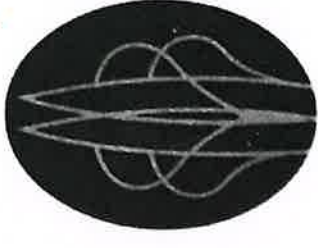
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GAGAN VEGINATI

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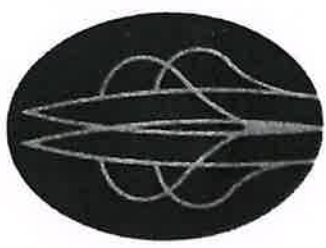
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GNANESH MACHAVARAPU

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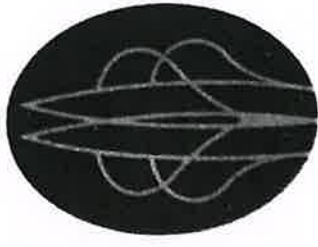


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SATHVIKA VEGIRAU

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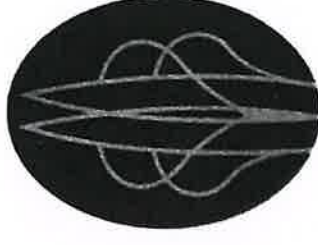
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SWATHI VELAMPALLI

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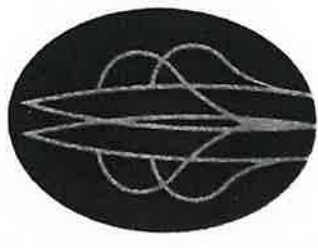
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ABHINAV RAVURI

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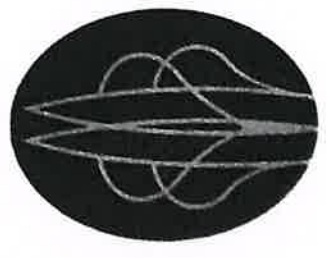
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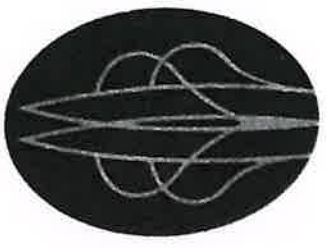
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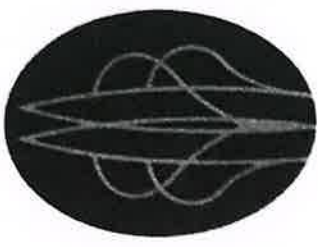
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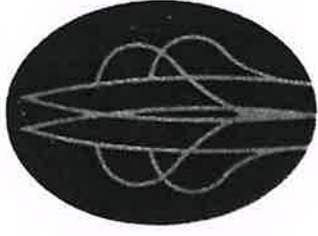


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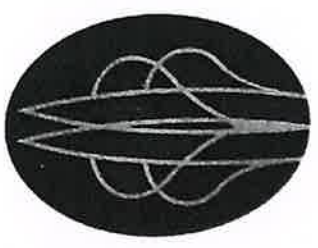


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Universiti Teknologi PETRONAS

2022 - Batch - 3 / Faculty

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
DR. UMA MAHESWAR

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

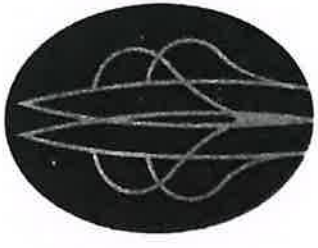
Universiti Teknologi PETRONAS


AP Dr NurTidia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3/01

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
PRANEETH VADAPALLI

from
SRM UNIVERSITY-AP, INDIA

has participated in

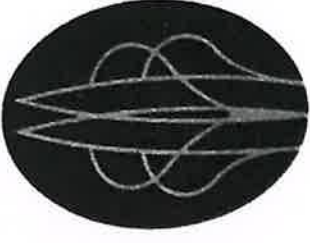
Familiarization Programme 2022

from 17th - 26th July 2022
at
Universiti Teknologi PETRONAS

AP Dr NurTidia Mansor
Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch-3/02

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
MANASWINI SURUSOMAYAJULA

from
SRM UNIVERSITY-AP, INDIA

has participated in
Familiarization Programme 2022

from 17th - 26th July 2022
at
Universiti Teknologi PETRONAS

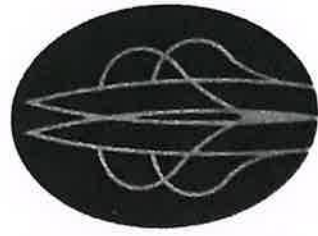


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Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3 / 03

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

MANIDEEP SURUSOMAYAJULA

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

Universiti Teknologi PETRONAS

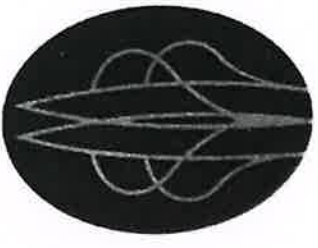
AP Dr NurTidia Mansor

Senior Director

Centre for Student Development

Universiti Teknologi PETRONAS

2022-Batch-3/04



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TEKNOLOGI
PETRONAS

CERTIFICATE *of Participation*

This is to certify that
H.R KARTHIKA

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

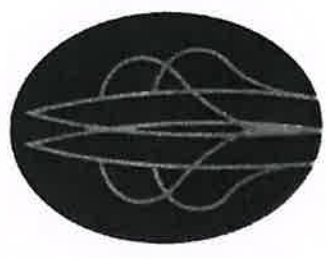
Universiti Teknologi PETRONAS



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Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3/05

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
VISHNU MALLAMPALLI

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

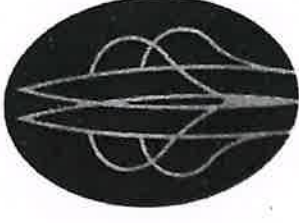
Universiti Teknologi PETRONAS

AP Dr NurIdia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3/06

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
KARUNA SREE MYNAM

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

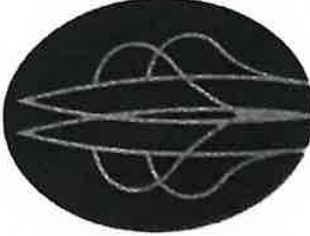
Universiti Teknologi PETRONAS

AP Dr Nurhidia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3/07

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
NERUSU NALINI

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

Universiti Teknologi PETRONAS

AP Dr NurTidia Mansor

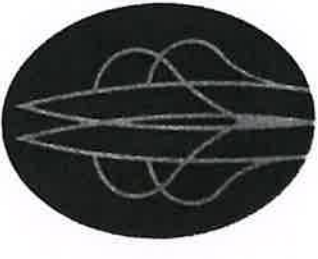
Senior Director

Centre for Student Development

Universiti Teknologi PETRONAS

2022 - Batch - 3/08

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
KARUMANCHI SAIDABI

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

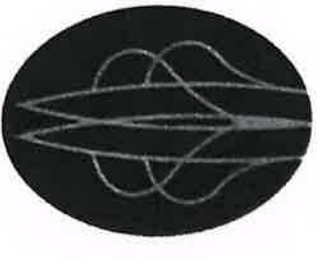
Universiti Teknologi PETRONAS

AP Dr NurIdia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3 / 09



UNIVERSITI
TEKNOLOGI
PETRONAS

CERTIFICATE *of Participation*

This is to certify that
PANCHUMARTI PAYASWINI

from
SRM UNIVERSITY-AP, INDIA

has participated in
Familiarization Programme 2022

from 17th - 26th July 2022
at
Universiti Teknologi PETRONAS

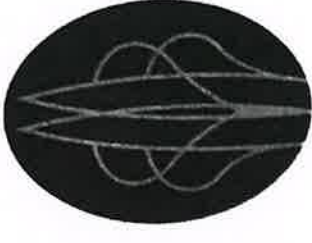


AP Dr NurLidia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3/10

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

KESAVA SRIRAM KOTHAMASU

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

Universiti Teknologi PETRONAS



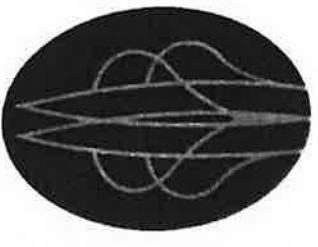
AP Dr NurIdia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3 / 11

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
SHRAVANI VEDANTHAM

from
SRM UNIVERSITY-AP, INDIA

has participated in
Familiarization Programme 2022

from 17th - 26th July 2022
at
Universiti Teknologi PETRONAS

AP Dr NurTidia Mansor
Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - B/12

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
HEMA NIKHITHA EDUPUGANTI

from
SRM UNIVERSITY-AP, INDIA

has participated in
Familiarization Programme 2022
from 17th - 26th July 2022
at
Universiti Teknologi PETRONAS

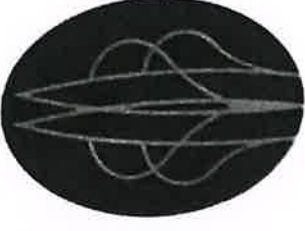


AP Dr NurLidia Mansor

Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3 / 13

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
KANDULA AVINASH

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

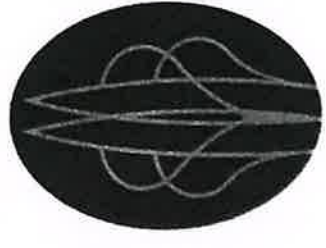
Universiti Teknologi PETRONAS

AP Dr Nur'Idia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3 / 14

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
SAI AASHRIT SURAPANENI

from
SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

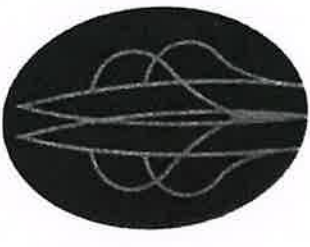
from 17th - 26th July 2022
at
Universiti Teknologi PETRONAS


AP Dr NurIdia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch-3/15

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
PALLI SAI YASHWANTH NAIDU

from
SRM UNIVERSITY-AP, INDIA

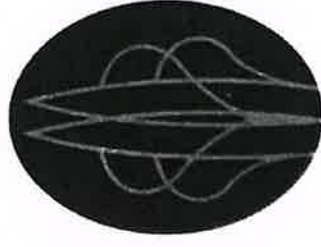
has participated in
Familiarization Programme 2022

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at
Universiti Teknologi PETRONAS

AP Dr NurIdia Mansor
Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022 / Batch - 3 / 16

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

M.BHANUSUMANTHREDDY

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

Universiti Teknologi PETRONAS

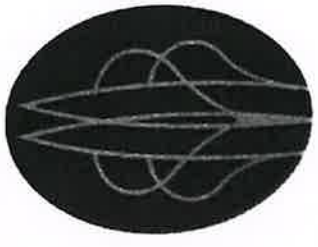
AP Dr NurTidia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3 / 17

CERTIFICATE *of Participation*



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
THIMMIREDDY GARI NANDINI

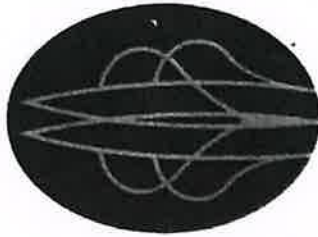
from
SRM UNIVERSITY-AP, INDIA

has participated in
Familiarization Programme 2022

from 17th - 26th July 2022
at
Universiti Teknologi PETRONAS


AP Dr NurIdia Mansor
Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3 / 18



UNIVERSITI
TEKNOLOGI
PETRONAS

CERTIFICATE of Participation

This is to certify that
HANISHA BORRA

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

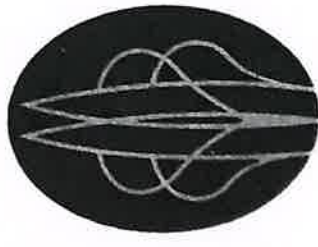
Universiti Teknologi PETRONAS

AP Dr Nurliadia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Babeh - 3 / 19

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
SARAYU MAMIDYALA

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

Universiti Teknologi PETRONAS


AP Dr Nurliida Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3 / 20

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
KONDAVEETI ANUGNA SAI

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

Universiti Teknologi PETRONAS

AP Dr NurIdia Mansor

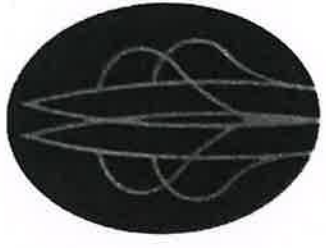
Senior Director

Centre for Student Development

Universiti Teknologi PETRONAS

2022 - Batch - 3 / 21

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
NIHAL ATASNIYA

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

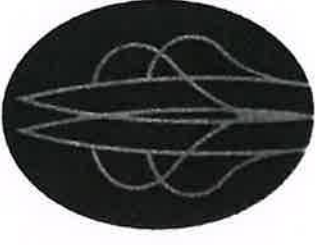
at

Universiti Teknologi PETRONAS

AP Dr NurTidia Mansor
Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3 / 22

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
CHALAMALASETTY TAKUR SAI KARTHIK

from
SRM UNIVERSITY-AP, INDIA

has participated in
Familiarization Programme 2022

from 17th - 26th July 2022
at
Universiti Teknologi PETRONAS



AP Dr NurTidia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3 / 23

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
KOTA VENKATA TARUN

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

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Senior Director

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Universiti Teknologi PETRONAS

2022 - Batch - 3/24

CERTIFICATE *of Participation*



UNIVERSITI
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PETRONAS

This is to certify that
BARKURU JAYA LAKSHMI BHAVANA

from
SRM UNIVERSITY-AP, INDIA

has participated in
Familiarization Programme 2022

from 17th - 26th July 2022
at
Universiti Teknologi PETRONAS

AP Dr NurTidia Mansor
Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3 / 25

CERTIFICATE *of Participation*



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PETRONAS

This is to certify that
SULTANUL ARIFEEN SHAIK

from
SRM UNIVERSITY-AP, INDIA

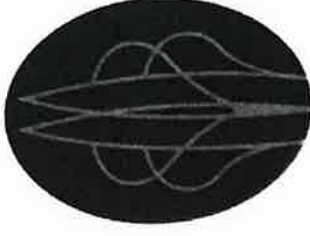
has participated in
Familiarization Programme 2022

from 17th - 26th July 2022
at
Universiti Teknologi PETRONAS

AP Dr NurTidia Mansor
Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3/26

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
SAI AMRUTH

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

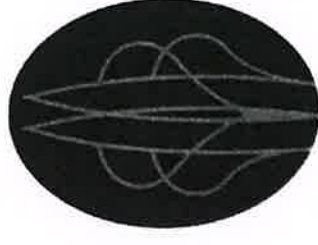
at

Universiti Teknologi PETRONAS

AP Dr NurIdia Mansor
Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2022-Batch - 3/27

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that

GUNTUPALLI SAI MANASVI

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

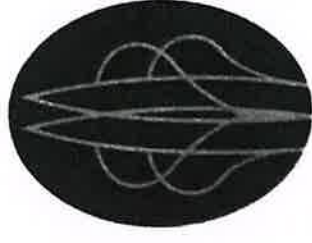
Universiti Teknologi PETRONAS

AP Dr NurTidia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3/28

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
YAMINI MYNENI

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

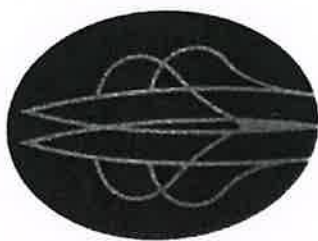
Universiti Teknologi PETRONAS

AP Dr NuTlidia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2022 - Batch - 3/29

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
ROHAN REDDY MIDDELA

from

SRM UNIVERSITY-AP, INDIA

has participated in

Familiarization Programme 2022

from 17th - 26th July 2022

at

Universiti Teknologi PETRONAS

AP Dr Nuřlidia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

The Directorate of International Relations & Higher Studies

09th Dec 2022

Dr Vijanth Sagayan A/L Asirvadam
Universiti Teknologi PETRONAS, Malaysia

Dear Prof/Assoc. Prof/Sir/Madam,

Invitation to participate in the Indian Immersion Programme 2022 at SRM University AP, India

On behalf of SRM University AP (SRM AP), we hereby officially invite your students to participate in our programme at SRM AP.

The details of the programme offered are as stated below:

Programme Objective:

SRM AP Indian Immersion Programme 2022 will bring international students to visit the SRM AP campus and attend a minimum of four short courses besides experiencing local attractions, the city, and delicious Indian food

Period Programme: 21st – 26th Dec 2022 (1 week)

Organizer: The Directorate of International Relations & Higher Studies

Programme Fee: 250 USD per person

No. of Participants: 10 Students refer to the attachment

Accompanying Officer: Dr Maran

Accommodation: SRM University AP in-campus hostel

I would very much appreciate it if you could extend the necessary assistance to the invited participants concerning the administrative formalities to ensure the success of their visit to India.

If you require further information or clarification, please do not hesitate to contact the person in charge,

Mr Sandeep Samala at +91 8686950532 or email at sandeepkumar.s@srmap.edu.in

Thank you.

Yours Sincerely,

Dr Naga Swetha Pasupuleti



Associate Director
The Directorate of International Relations & Higher Studies
SRM University AP, Andhra Pradesh

The Directorate of International Relations & Higher Studies

The following is the list of students travelling from UTP to SRM AP

S.no	Full Name	Gender	Passport Number	Course Name
1	Thivnesh Kumar Venugopal	Male	A57231140	Bachelor in Information Technology
2	Syahida Nafishah Binti Mohd Najmi Choo	Female	A57567557	Bachelor in Business Management
3	Putri Nurul Syafeera Binti Mohd Rizal	Female	A52857274	Bachelor in Business Management
4	Farah Izyani binti Mohd Noor	Female	A57567558	Bachelor in Business Management
5	Nur Syuhaida Binti Rosli	Female	A57561870	Bachelor in Business Management
6	Siti Nuraqilah Bt Ahmad Tamrin	Female	A57628174	Bachelor in Business Management
7	Nur Izzati Alya Binti Mohd Ariffin	Female	A57538820	Bachelor in Civil Engineering
8	Nur Diana Natasya Binti Razali	Female	A57565952	Bachelor in Civil Engineering
9	Nur Damia Bt Abdul Malek	Female	A57561137	Bachelor in Business Management
10	David Deng Bol Bul	Male	R00467785	Bachelor in Civil Engineering



CERTIFICATE OF PARTICIPATION

This is to certify that

Thivnesh Kumar Venugopal

from Universiti Teknologi PETRONAS, Malaysia has participated in

Indian Immersion Programme 2022

from Dec 21-26, 2022 at SRM University-AP, Andhra Pradesh

A handwritten signature in black ink, appearing to read 'Dr. Naga Swetha Pasupuleti'.

Dr Naga Swetha Pasupuleti

Associate Director

International Relations & Higher Studies

SRM University-AP, Andhra Pradesh

02



CERTIFICATE OF PARTICIPATION

This is to certify that

Syahida Nafishah Binti Mohd Najmi Choo
.....

from Universiti Teknologi PETRONAS, Malaysia has participated in

Indian Immersion Programme 2022

from Dec 21-26, 2022 at SRM University-AP, Andhra Pradesh

A handwritten signature in black ink, appearing to read "Dr. Naga Swetha Pasupuleti".

Dr Naga Swetha Pasupuleti

Associate Director

International Relations & Higher Studies

SRM University-AP, Andhra Pradesh

03

CERTIFICATE OF PARTICIPATION



This is to certify that

Putri Nurul Syafeera Binti Mohd Rizal

from Universiti Teknologi PETRONAS, Malaysia has participated in

Indian Immersion Programme 2022

from Dec 21-26, 2022 at SRM University-AP, Andhra Pradesh

A handwritten signature in black ink, appearing to read "Dr. Naga Swetha Pasupuleti".

Dr Naga Swetha Pasupuleti

Associate Director

International Relations & Higher Studies

SRM University-AP, Andhra Pradesh

CERTIFICATE OF PARTICIPATION


This is to certify that

Farah Izyani binti Mohd Noor
.....

from Universiti Teknologi PETRONAS, Malaysia has participated in

Indian Immersion Programme 2022

from Dec 21-26, 2022 at SRM University-AP, Andhra Pradesh



Dr Naga Swetha Pasupuleti

Associate Director

International Relations & Higher Studies

SRM University-AP, Andhra Pradesh

05



CERTIFICATE OF PARTICIPATION

This is to certify that

Nur Syuhaida Binti Rosli

from Universiti Teknologi PETRONAS, Malaysia has participated in

Indian Immersion Programme 2022

from Dec 21-26, 2022 at SRM University-AP, Andhra Pradesh

A handwritten signature in black ink, appearing to read 'Dr. Naga Swetha Pasupuleti'.

Dr Naga Swetha Pasupuleti

Associate Director

International Relations & Higher Studies

SRM University-AP, Andhra Pradesh

06



CERTIFICATE OF PARTICIPATION

This is to certify that

Siti Nuraqilah Bt Ahmad Tamrin

from Universiti Teknologi PETRONAS, Malaysia has participated in

Indian Immersion Programme 2022

from Dec 21-26, 2022 at SRM University-AP, Andhra Pradesh

A handwritten signature in black ink, appearing to read 'Dr. Naga Swetha Pasupuleti'.

Dr Naga Swetha Pasupuleti

Associate Director
International Relations & Higher Studies
SRM University-AP, Andhra Pradesh



CERTIFICATE OF PARTICIPATION

This is to certify that

Nur Izzati Alya Binti Mohd Ariffin

from Universiti Teknologi PETRONAS, Malaysia has participated in

Indian Immersion Programme 2022

from Dec 21-26, 2022 at SRM University -AP, Andhra Pradesh

A handwritten signature in black ink, appearing to read 'Dr. Naga Swetha Pasupuleti'.

Dr Naga Swetha Pasupuleti

Associate Director

International Relations & Higher Studies

SRM University-AP, Andhra Pradesh

CERTIFICATE OF PARTICIPATION

This is to certify that

Nur Diana Natasya Binti Razali

from Universiti Teknologi PETRONAS, Malaysia has participated in

Indian Immersion Programme 2022

from Dec 21-26, 2022 at SRM University-AP, Andhra Pradesh



Dr Naga Swetha Pasupuleti

Associate Director

International Relations & Higher Studies

SRM University-AP, Andhra Pradesh

CERTIFICATE OF PARTICIPATION

This is to certify that

Nur Damia Bt Abdul Malek

from Universiti Teknologi PETRONAS, Malaysia has participated in

Indian Immersion Programme 2022

from Dec 21-26, 2022 at SRM University-AP, Andhra Pradesh



Dr Naga Swetha Pasupuleti

Associate Director

International Relations & Higher Studies

SRM University-AP, Andhra Pradesh



CERTIFICATE OF PARTICIPATION

This is to certify that

David Deng Boi Bul

from Universiti Teknologi PETRONAS, Malaysia has participated in

Indian Immersion Programme 2022

from Dec 21-26, 2022 at SRM University-AP, Andhra Pradesh

Dr Naga Swetha Pasupuleti

Associate Director

International Relations & Higher Studies

SRM University-AP, Andhra Pradesh

Faculty



CERTIFICATE OF PARTICIPATION

This is to certify that

Dr. Maran

from Universiti Teknologi PETRONAS, Malaysia has participated in

Indian Immersion Programme 2022

from Dec 21-26, 2022 at SRM University-AP, Andhra Pradesh

A handwritten signature in black ink, appearing to read "Dr. Naga Swetha Pasupuleti".

Dr Naga Swetha Pasupuleti

Associate Director
International Relations & Higher Studies
SRM University-AP, Andhra Pradesh



UTP FAMILIARIZATION PROGRAMME 2023

PROGRAMME FEE

The Familiarization Programme fee is as quoted in the table below. Other costs in respect of the Familiarization Programme shall be borne by the student.

Programme	Detail	Cost
UTP Familiarization Programme 2023	19 th – 28 th January 2023 (10 days) 17 students	USD 8,500 MYR 37,060.00 (USD500.00/pax RM2,180.00/pax)

PAYMENT

Total course fee to be received prior to the registration of the course.

Payment to be made to:

Bank Account Beneficiary: Universiti Teknologi PETRONAS
Bank Account Number: 800 485 7910

Bank Name: CIMB Berhad

Swift Code: CIBBMYKL

Bank Branch: Batu Gajah, Perak

Bank Address: 20, Jalan Pos Baru, 31000 Batu Gajah, Perak, Malaysia

Payment Title: UTP Familiarization Programme 2023-SRM University

*the payment to be made in Malaysian Ringgit (MYR)

CONTACT PERSON

Khairunnisa Aimi Ghazali

Student Mobility Office

Centre for Student Development

Universiti Teknologi PETRONAS

Tel: +60 53688525 / +60 195756377

Email: khairunnisa.ghazali@utp.edu.my

UNIVERSITI TEKNOLOGI PETRONAS

INSTITUTE OF TECHNOLOGY PETRONAS SDN. BHD.


(Company No: 352875U) Wholly owned subsidiary of PETRONAS

32610 Seri Iskandar, Perak Darul Ridzuan, Malaysia. Tel: 605-368 8000 Fax: 605-368 4075 Website:

Country	Start Date	End date	Duration of program	Staff and Faculty
UTP Malaysia	19th Jan 2023	28th Jan 2023	10 Days	Dr. Prakash Jadhav & Dr. Naga Swetha Pasupuleti

S.No	Full name of the student	Semester	Enrollment Number	Gender	Email ID (Enter SRM AP Mail ID Only)	Name of Department	Contact Number	Program Status
1	Mallampalli Aishwary	5	AP20110010209	Male	aishwary_m@srmmap.edu.in	CSE	9177109586	UTP - Malaysia
2	Myneni Komal Krishna	1	AP22110010303	Male	komalkrishna_myneni@srmmap.edu.in	CSE	8712147777	UTP - Malaysia
3	Kattepogu Sahithi	1	AP22110011352	Female	sahithi_k@srmmap.edu.in	CSE	9121764116	UTP - Malaysia
4	Kattepogu Sathwika	3	AP21110020066	Female	sathwika_k@srmmap.edu.in	ECE	8341344116	UTP - Malaysia
5	Vemuri Sathwika	5	AP20110010213	Female	sathwika_vemuri@srmmap.edu.in	CSE	8282823344	UTP - Malaysia
6	Ummadisetty Kavya Sree	5	AP20110010175	Female	kavyasree_ummadisetty@srmmap.edu.in	CSE	9963606689	UTP - Malaysia
7	Lohith Ranganadha Reddy Kandula	5	AP20110010161	Male	lohith_ranganadhareddy@srmmap.edu.in	CSE	9492201567	UTP - Malaysia
8	Velaga Manisha	5	AP20110010182	Female	manisha_velaga@srmmap.edu.in	CSE	6304670104	UTP - Malaysia
9	Kancharla Geethika Sai Venkata Sesha Satya Tejaswi Abburi	5	AP20110010215	Female	geethikasai_kancharla@srmmap.edu.in	CSE	9642311337	UTP - Malaysia
10	Tejaswi Abburi	5	AP20110010079	Female	tejaswi_abburi@srmmap.edu.in	CSE	9912033184	UTP - Malaysia
11	K. Tarun Vardhan	5	AP20110010297	Male	tarunvardhan_kancharla@srmmap.edu.in	CSE	8341241394	UTP - Malaysia
12	Munnelli Sirisha	3	AP21110010811	Female	Sirisha_munnelli@srmmap.edu.in	CSE *	7569593484	UTP - Malaysia
13	Hemaj Venkata Siva Sai Namburu	3	AP21110010439	Male	sivasainamburu_hemaj@srmmap.edu.in	CSE..	9885639265	UTP - Malaysia
14	Pritam Sanagapalli	1	AP22110010309	Male	pritam_sanagapalli@srmmap.edu.in	CSE	8328485916	UTP - Malaysia
15	Soumyadeep Das	5	AP20110010181	Male	soumyadeep_das@srmmap.edu.in	CSE	9439045407	UTP - Malaysia
16	Gokul Nagari	3	AP21110010797	Male	nagkul_nagari@srmmap.edu.in	CSE	7780720530	UTP - Malaysia
17	Fayaz Ahmed Shaik	5	AP20110010149	Male	shaik_fayazahmed@srmmap.edu.in	CSE	8500582085	UTP - Malaysia

Pr Sreedhar
 Directorate of International Relations and Higher Studies
 SRM University-AP, Andhra Pradesh

<div style="text-align: center;">  <p>Universiti Teknologi PETRONAS Summer Programme</p> <p>FAMILIARIZATION PROGRAMME 2023 (Jan 19th -28th)</p> </div>																				
	Jan 19th	Jan 20th	Jan 21st	Jan 22nd	Jan 23rd	Jan 24th	Jan 25th	Jan 26th	Jan 27th	Jan 28th										
	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10										
9.00 am to 10.00 am	Travelling from India to Malaysia (KLIA Airport)	OPENING CEREMONY Orientation Session UTP & Programme Briefing	Short Course 2 Introduction to R Statistics with Machine Learning Examples Venue: Computing Lab TIO-CAPE/	Ipoh City Tour	Short Course 3 SPC: Data Reporting for Manufacturing in R Venue: Undercofft TIO-CAPE/	Penang City Tour	Short Course 4 Technical Presentation with Latex Venue: Undercofft TIO-CAPE/	Start 10.00 TRIP: KUALA LUMPUR	Batu Caves	Pavilion KLCC/ Mega Mall [Rest and Pac]										
10.00 am to 11.00 am																				
11.00 am to 12.00 pm																				
12.00 pm to 1.00 pm																				
1.00 pm to 2.00 pm																				
Lunch																				
2.00 pm to 3.00 pm	Travelling from KLIA to UTP Campus	Short Course 1 Lecturer: Introduction to Technical Reporting & Latex Venue: Computing Lab TIO-CAPE/	UTP MSc ESE & MBA Energy Management Overview	Ipoh City Tour	Research Lab & IRC Visit	Penang & BM Church	Briefing on KL Tour, & Students' Presentation and Certificate Presentation by CSD	Industry visit to PETRONAS Research Sdn Bhd Dinner at Little India	KLCC	KL SENTRAL VISIT										
3.00 pm to 4.00 pm																				
4.00 pm to 5.00 pm																				
5.00 pm to 6.00 pm																				
6.00 pm to 7.00 pm																				
7.00 pm to 8.00 pm	Campus & Hostel Registration	Short Course Post-Discussion	Photosession and walk around UTP campus	Early Dinner at Ipoh at 6.00pm	Photosession and walk around UTP campus	Dinner at Ipoh	Short Course Post-Discussion	Dinner near KLCC area (Malaysia Flavour)	Night Flight (Airsia, Batik Air, Indigo)											
8.00 pm to 9.00 pm																				
9.00 pm to 10.00 pm																				
10.00 pm to 11.00 pm																				
Dinner																				
8.00 pm to 9.00 pm	Free & Easy	Free & Easy	Free & Easy	Free & Easy	Free & Easy	Free & Easy	Free & Easy	Free & Easy	Free & Easy	Free & Easy										
9.00 pm to 10.00 pm																				
10.00 pm to 11.00 pm																				
Dinner																				
11.00 pm to 12.00 pm																				

Remark:

Any amendments shall be informed to the student prior to date
 All classes and outdoor activities are subject to change and weather permitting
 All exchange students are subject to Universiti Teknologi PETRONAS rules and regulations
 Kindly follow Universiti Teknologi PETRONAS code of attire during the whole programme especially academic classes



2023 - 01

CERTIFICATE of Participation

This is to certify that
Mallampalli Aishwary

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

from 19th - 28th January 2023

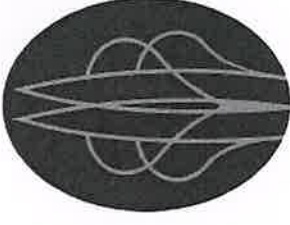
at

Universiti Teknologi PETRONAS



AP Dr Nurlidia Mansor
Senior Director

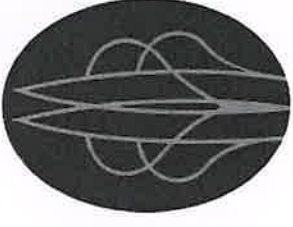
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2023-02

CERTIFICATE of Participation



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This is to certify that

Myneni Komal Krishna

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

from 19th – 28th January 2023

at

Universiti Teknologi PETRONAS

AP Dr Nurlidia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2023-03

CERTIFICATE of Participation

This is to certify that
Kattepogu Sahithi

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

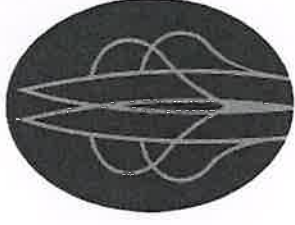
from 19th – 28th January 2023
at

Universiti Teknologi PETRONAS



AP Dr Nurlidia Mansor
Senior Director

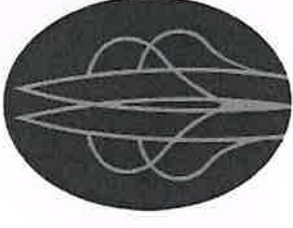
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2023-04

CERTIFICATE of Participation



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This is to certify that
Kattepogu Sathwika

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

from 19th – 28th January 2023

at

Universiti Teknologi PETRONAS

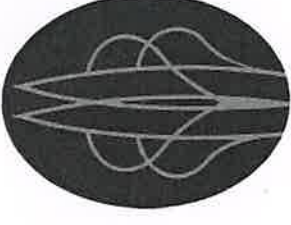
AP Dr Nurlidia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2023-05

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
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This is to certify that
Vemuri Sathwika

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

from 19th – 28th January 2023

at

Universiti Teknologi PETRONAS

AP Dr Nurliadia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2023-06

CERTIFICATE of Participation

This is to certify that
Ummadisetty Kavya Sree

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

from 19th – 28th January 2023

at

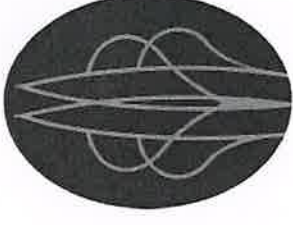
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AP Dr Nurlidia Mansor

Senior Director

Centre for Student Development
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2023-07

CERTIFICATE of Participation

This is to certify that

Lohith Ranganadha Reddy Kandula

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

from 19th – 28th January 2023

at

Universiti Teknologi PETRONAS

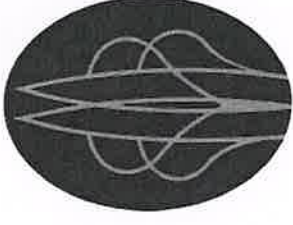


AP Dr Nurlidia Mansor

Senior Director

Centre for Student Development

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2023-08

CERTIFICATE of Participation

This is to certify that
Velaga Manisha

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

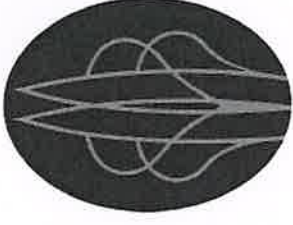
from 19th – 28th January 2023
at

Universiti Teknologi PETRONAS



AP Dr Nurlidia Mansor
Senior Director

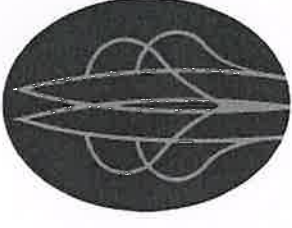
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2023-09

CERTIFICATE of Participation



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This is to certify that

Kancharla Geethika Sai

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

from 19th – 28th January 2023

at

Universiti Teknologi PETRONAS

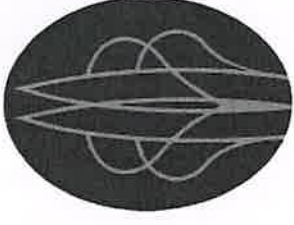
AP Dr Nurlidia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2023-10

CERTIFICATE of Participation



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This is to certify that

Venkata Sesha Satya Tejaswi Abburi

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

from 19th – 28th January 2023
at

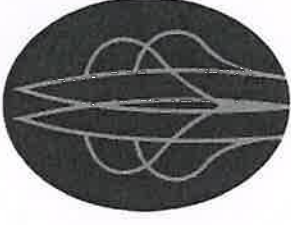
Universiti Teknologi PETRONAS

AP Dr Nurlidia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2023-11

CERTIFICATE of Participation



UNIVERSITI
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This is to certify that

K. Tarun Vardhan

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

from 19th – 28th January 2023

at

Universiti Teknologi PETRONAS

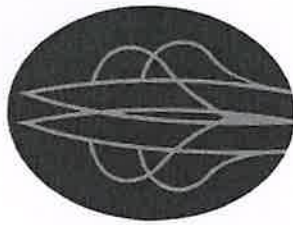
AP Dr Nurlidia Mansor

Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2023-12

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
Munnelli Sirisha

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

from 19th – 28th January 2023
at

Universiti Teknologi PETRONAS

AP Dr Nurlidia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2023 - 13

CERTIFICATE of Participation

This is to certify that

Hemaj Venkata Siva Sai Namburu

from

SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

from 19th - 28th January 2023

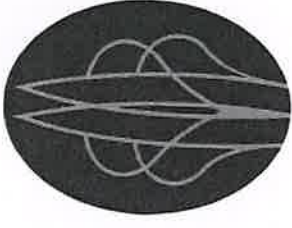
at

Universiti Teknologi PETRONAS



AP Dr Nurlidia Mansor
Senior Director

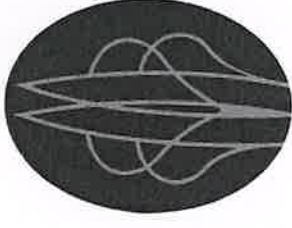
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2023-14

CERTIFICATE of Participation



UNIVERSITI
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PETRONAS

This is to certify that
Pritam Sanagapalli

from
SRM University AP Andhra Pradesh, India

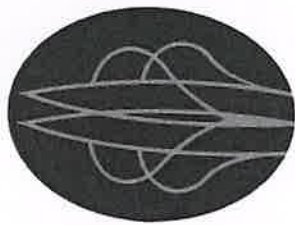
has participated in
Familiarization Programme 2023

from 19th – 28th January 2023
at
Universiti Teknologi PETRONAS

AP Dr Nurlidia Mansor
Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS

2023-15

CERTIFICATE of Participation



UNIVERSITI
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PETRONAS

This is to certify that
Soumyadeep Das

from
SRM University AP Andhra Pradesh, India

has participated in
Familiarization Programme 2023

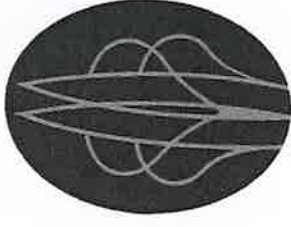
from 19th – 28th January 2023
at
Universiti Teknologi PETRONAS

AP Dr Nurlidia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2023 -16

CERTIFICATE of Participation



UNIVERSITI
TEKNOLOGI
PETRONAS

This is to certify that
Gokul Nagari

from
SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

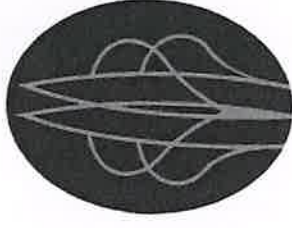
from 19th – 28th January 2023
at
Universiti Teknologi PETRONAS

AP Dr Nurlidia Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS

2023-17

CERTIFICATE of Participation



UNIVERSITI
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PETRONAS

This is to certify that
Fayaz Ahmed Shaik

from
SRM University AP Andhra Pradesh, India

has participated in

Familiarization Programme 2023

from 19th – 28th January 2023
at
Universiti Teknologi PETRONAS

AP Dr Nurlidia Mansor
Senior Director
Centre for Student Development
Universiti Teknologi PETRONAS



MEMORANDUM OF UNDERSTANDING
between
UNIVERSITAS MUHAMMADIYAH SUKABUMI
Indonesia
And
SRM UNIVERSITY AP, Andhra Pradesh
INDIA

This **Memorandum of Understanding** (hereinafter referred to as "**MoU**") is executed on 23rd August, 2022.

Between

Universitas Muhammadiyah Sukabumi (hereinafter referred to as "**UMMI**"), a university whose address is at Jalan R. Syamsudin, S.H. Number 50 Cikole Sukabumi 43113 West Java Indonesia and shall include its lawful representatives and permitted assigns;

AND

SRM University AP (hereinafter referred to as "**SRM AP**"), a university whose address is Neerukonda, Mangalagiri Mandal, Guntur District, Mangalagiri, Andhra Pradesh 522240 - India and shall include its lawful representatives and permitted assigns;

(Hereinafter referred to singularly as "**The Party**" and collectively as "**The Parties**").

WHEREAS

- A. UMMI is an established university with a track record of educational excellence and research and with a dynamic program of collaborative arrangements with many international counterparts.
- B. SRM AP is an established University that strives to strengthen its academic and research excellence through various collaborations with other parties and institutions.



A



- C. The Parties are desirous of entering this MoU to declare their respective intentions and to establish a basis of cooperation and collaboration between the Parties upon the terms as contained herein.

NOW THIS MOU WITNESSES AS FOLLOWS:

ARTICLE 1

OBJECTIVE

The Parties, subject to the terms of this MoU and the laws, rules, regulations, and national policies from time to time in force in each party's country, shall endeavor to strengthen, promote and develop international and research cooperation between The Parties on the basis of equality and mutual benefit.

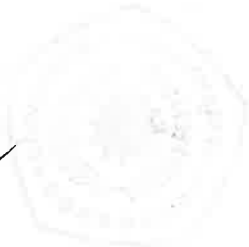
ARTICLE 2

AREAS OF COOPERATION

- 2.1 The Parties agree to encourage the following activities, in particular, to promote international academic cooperation in the following areas:
- a) The parties may send candidates to take an Undergraduate, Graduate, and Doctoral programs.
 - b) Exchange students and other student mobility can be done with the agreement of both parties;
 - c) Acceptance of under and graduate and graduate students of each partner institution for periods of study and/or research;
 - c) Organizing the symposia, conferences, short courses, and meetings on research issues;
 - d) Exchange of information pertaining to developments in teaching, student development, and research institutions;
 - e) Cooperation in any other areas as agreed to by The Parties from time to time; and
 - f) The Parties will mutually promote information and activities of partner universities within the MoU on their respective websites.



Handwritten signature or initials.



- 2.2 For the purpose of implementing the cooperation in respect of any areas stated in paragraph
- 2.1 **The Parties** shall enter into legally binding agreements subject to terms and conditions as mutually agreed upon by the parties including clauses on "confidentiality", "suspension", "protection of intellectual property rights", and "settlement of disputes".

ARTICLE 3

EFFECT OF MEMORANDUM OF UNDERSTANDING

This MoU serves only as a record of The Parties' intentions and does not constitute or create, and is not intended to constitute or create, obligations under domestic or international law and shall not give rise to any legal process and shall not be deemed to constitute or create any legally binding or enforceable obligations, express or implied.

ARTICLE 4

NO AGENCY

Nothing contained herein is to be construed so as to constitute a joint venture partnership or formal business organization of any kind between The Parties or so as to constitute either party as the agent of the other.

ARTICLE 5

ENTRY INTO EFFECT AND DURATION

- 5.1 This MoU shall become effective as of the date of signatures of both parties, or if the dates vary, then the date of the later signature.
- 5.2 This MoU shall remain in effect for a period of **five (5)** years.
- 5.3 This MoU may be extended for such a further period as may be agreed in writing by both parties.
- 5.4 If the MoU is not renewed by mutual consent, the MoU shall conclude at the end of the specified period, or after activities in progress have concluded.

ARTICLE 6

REVISION, VARIATION, AND AMENDMENT



- 6.1 Either party may request in writing a revision, variation, or amendment of this MoU with the approval of another party.
- 6.2 Any such revision, variation, or amendment agreed to by The Parties shall be in writing and shall form part of this MoU.
- 6.3 Such revision, variation, or amendment shall come into force on such date as may be determined by The Parties.
- 6.4 Any revision, variation, or amendment shall not prejudice the implementation of any project, activity, or cooperation arising from or based on this MoU before or up to the date of such revision, variation, or amendment.

ARTICLE 7

TERMINATION

This MoU may be terminated by either party with a minimum of ninety (90) days written notice to the other party. Activities in progress at the time of termination of this MoU shall be permitted to conclude as planned unless otherwise agreed.

ARTICLE 8

NOTICES

Any communication under this MoU shall be in writing in the English language and delivered by registered mail to the address or sent to the electronic mail address or facsimile number of Universitas Muhammadiyah Sukabumi or the mail address or facsimile number of Fatoni University as the case may be, shown below or to such other address or electronic, mail address or facsimile number as either Party may have notified the other Party and shall unless otherwise provided herein, be deemed to be duly given or made when delivered to the recipient at such address or electronic mail address or facsimile number which is duly acknowledged:

To Universitas Muhammadiyah Sukabumi:

Address : Universitas Muhammadiyah Sukabumi
Jl. R. Syamsudin, S.H., No. 50 Sukabumi 43113 West Java Indonesia

Attention : Saprudin

Tel. : +62 218342/+62 858 7035 6061



Fax : +62 218342
e-mail : lkhi@ummi.ac.id/saprudin@ummi.ac.id

To SRM University AP:

Address : SRM University AP
Neerukonda, Mangalagiri Mandal, Guntur District, Mangalagiri,
Andhra Pradesh 522240 - India
Attention : Dr. Naga Swetha pasupuleti
Tel. : +91-9871018881
Fax : -
e-mail : assocdirector.ir@srmap.edu.in

ARTICLE 9

PROTECTION OF INTELLECTUAL PROPERTY

- 9.1 The protection of intellectual property shall be enforced in conformity with the respective national laws, rules and regulations of the Parties and with other international agreements signed by both Parties.
- 9.2 The use of the name, logo and/or official emblem of any of the Parties on any publications, document and/or paper is prohibited without the prior written approval of the Party.
- 9.3 Notwithstanding anything in paragraph 9.1 above, if the intellectual property in respect of any technological development, and any product and service development, were obtained by:
- (i) Jointly by the Parties or if the research results were obtained through the joint activity or effort of The Parties, then these shall be jointly owned by the Parties in accordance with terms to be mutually agreed upon; or
 - (ii) Solely and separately by the Party or if the research results were obtained through the sole and separate effort of the Party, then these shall be solely owned by the Party concerned.



ARTICLE 10

CONFIDENTIALITY

- 10.1 Each Party shall undertake to observe the confidentiality and secrecy of documents, information, and other data received from or supplied to, the other party during the period of the implementation of this MoU or any other agreements made pursuant to this MoU.
- 10.2 For purposes of Paragraph 10.1 above, such documents, information, and data include any document, information, and data that is disclosed by any Party (the disclosing party) to the other party (the receiving party) prior to, or after, the execution of this MoU, involving technical, business, marketing, policy, know-how, planning, project management, and other documents, information, data and /or solutions in any form, including but not limited to any document, information or data which is designated in writing to be confidential or by its nature intended to be for the knowledge of the receiving party or if orally given, is given in the circumstances of confidence.
- 10.3 The Parties agree that the provisions of this Article shall continue to be binding for 3 Years between The Parties, notwithstanding the termination of this MoU.

ARTICLE 11

SUSPENSION

Each Party reserves the right for reasons of national security, national interest, public order, or public health to suspend temporarily, either in whole or in part, the implementation of this MoU which suspension shall take effect immediately after notification has been given to the other Party through diplomatic channels.

ARTICLE 12

SETTLEMENT OF DISPUTES

All Disputes, controversies or differences that may arise between the parties hereto, out of or in relation to or in connection with this Agreement or for the breach thereof, shall be settled amicably through negotiations in good faith. Should the parties fail thereby to resolve a dispute, a party may request that the matter be settled in an arbitration proceeding in accordance with the rules and under the provisions of the Arbitration & Conciliation, or any other enactment or statutory modification thereof made by the Government. The Venue of arbitration shall be Andhra Pradesh, India.



nm

Q

This Agreement shall be governed and construed in accordance with the laws of India and with exclusive jurisdiction to the courts of Andhra Pradesh, India.

FORCE MAJEURE:

Neither party shall be held responsible for non-fulfillment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Epidemics, etc. provided on the occurrence and cessation of any such event the party affected thereby shall give notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

IN WITNESS WHEREOF, signed in duplicate on 23rd August 2022 in two (2) original texts, both texts being equally authentic.

SIGNED BY
for and on behalf of

**UNIVERSITAS MUHAMMADIYAH SUKABUMI
INDONESIA**



.....
DR. SAKTI ALAMSYAH, M.PD.
Rector

Date: 26.08.2022

SIGNED BY
for and on behalf of

**SRM UNIVERSITY - AP
INDIA**



.....
Dr. R. PREM Kumar
Registrar



Date: 26.08.2022



UNIVERSITAS MUHAMMADIYAH SUKABUMI (UMMI)

Jalan R. Syamsudin, SH No. 50 Sukabumi Telepon 0266-218345, Fax. 0266-218342

Website : www.ummi.ac.id E-mail: info@ummi.ac.id

Sukabumi, 04 Juli 2022

Number : 1218/I.O/C/2022
Enclosure : 1 folder
Subject : Invitation of Summer Program 2022

To

Rector SRM University

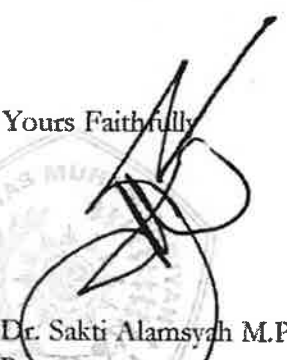
Dear Sirs

In this opportunity, Universitas Muhammadiyah Sukabumi is going to held the summer program. The Program is about **“Sustainable Geo Heritage Exploring Ciletuh Palabuhanratu UNESCO Global Geopark”**. We invite your students join to our programs.

This program will be held on September 1 - 10 , 2022. Located in Sukabumi City and Sukabumi Regency. **For the registration fee of the Summer Program is 200\$ (USD)**. Registration from July 1 to August 18, 2022 link <https://s.id/sumpro2022> . If you need more information, you do not be hesitate to contact us by number +62 858 7035 6061 (Dr. Saprudin, M. Hum.) and email lkhi@ummi.ac.id / saprudin@ummi.ac.id .

I am looking forward your reply for joining this program. Thank you very much.

Yours Faithfully



Dr. Sakti Alamsyah M.Pd.

Rector,

Universitas Muhammadiyah Sukabumi
Jl. R. Syamsudin, S.H., No. 50 Sukabumi
West Java - Indonesia

5



UNIVERSITAS MUHAMMADIYAH SUKABUMI (UMMI)

Jalan R. Syamsudin, SH No. 50 Sukabumi Telepon 0266-218345, Fax. 0266-218342
Website : www.ummi.ac.id E-mail : info@ummi.ac.id

Sukabumi, 11 January 2023

Number : 151/I.0/C/2023
Object : Invitation for Student Exchange

To
Rector SRM University AP
Neerukonda, Mangalagiri Mandal, Guntur District
Mangalagiri Andhra Pradesh 522240
India

Dear Sirs

May God Almighty provide protection to us in carrying our daily activities,
aamiin.

In this opportunity, I would like to send the invitation letter to your campus for
doing the activity both of Universitas Muhammadiyah Sukabumi and SRM
University AP. The activity conduct to Student Exchange and learning about
cultural. This event will be held on:

Batch I : 18 – 28 January 2023

We hope that your campus can send the students as the delegation in this program.
Thank you for your attention and consideration, and we will be waiting come to
our campus. For more information you can send by email lkhi@ummi.ac.id and
cc to saprudin@ummi.ac.id.

Best Regards

Dr. Sakti Alamsyah, M.Pd.
Rector

Universitas Muhammadiyah Sukabumi

Attn:

1. Vice Rector of Academic Affairs
2. Vice Rector of Student Affairs
3. Bureau of Cooperations and International Office
4. Archive



UNIVERSITAS MUHAMMADIYAH SUKABUMI (UMMI)

Jalan R. Syamsudin, SH No. 50 Sukabumi Telepon 0266-218345, Fax. 0266-218342
Website : www.ummi.ac.id E-mail : info@ummi.ac.id

STUDENT FORM

Name : _____

Place/Date of Birth : _____

Sex : Male / Female

Marital Status : _____

Passport Number : _____

Affiliation : _____

Faculty : _____

Department/Study Program: _____

Email : _____

Phone Cell Number : _____

Home Address : _____

Allergic Food : _____

India,2023

Name:

Attach:

1. Photograph (4 x 6 cm) Background Red
2. Passport Scan

RUNDOWN
SRM University AP Immersion Program
Universitas Muhammadiyah Sukabumi
18 – 28 January 2023

Day/date	Time	Activities	PIC	Building/Room
Wednesday 18 January 2023	13.50	Arrival on International Soekarno Hatta Airport	LKHI	Terminal 3
	14.00	On the way to Sukabumi		
Thursday 19 January 2023	08.00 – 08.10	Opening Ceremony Registration	Committee/Student Affairs	UMMI Hall
	08.10 – 08.20	Indonesia National Anthems India National Anthems Sing “Sang Surya”	MC	
	08.20 – 08.30	Speech Vice Rector I Dr. Yuni Sri Wahyuni, M.T	MC	
	08.30 – 08.40	Representative from SRM Mr. Sandeep		
	08.40 – 08.50	Rector Universitas Muhammadiyah Sukabumi Dr. Sakti Alamsyah		
	08.50 – 09.10	Sundanese Dance Perform	LISES UMMI	
	09.10 – 09.20	Closing	MC	
	09.20 – 09.30	Coffee Break	Committee/Student Affairs	
	09.30 – 12.00	Move to room A12 BIPA Session I	ULB LKHI	
	12.00 – 13.00	Lunch	Committee	Food Court
	13.00 – 15.00	BIPA Session II	ULB LKHI	

	15.00 – 15.30	Tea Break	Committee	
	15.30 – 17.30	BIPA Practice	ULB LKHI	
	17.30	Back to Homestay	Committee	Home stay
Friday 20 January 2023	08.00 – 18.00	Faculty of Economic	Dean and Head of Study Program	
Saturday 21 January 2023	08.00 – 18.00	Faculty of Administration Sciences and Humanities	Dean and Head of Study Program	
Sunday, 22 January 2023	06.00 – 20.00	Geopark Immersion Ciletuh Palabuhanratu UNESCO Global Geopark	LKHI	
Monday- Tuesday 23 – 24 January 2023	08.00 – 18.00	Faculty of Teacher Training Education	Dean and Study Program	
Wednesday, 25 Januari 2023	08.00 – 19.00	Faculty Science and Technology (5 Student)	Dean and Head of Study Program	
		Faculty of Law (4 Student)	Dean and Head of Study Program	
Thursday 26 Januari 2023	08.00 – 18.00	Faculty of Agricultural	Dean and Head of Study Program	
Friday, 27 Januari 2023	06.00 – 13.00	Learning Sundanese Culture	LKHI	
	14.00 – 15.30	Closing Ceremony Registration	LKHI and Student Affairs	
		Speech Representative from UMMI	MC	
		Representative from SRM Univ. AP		
		Representative from SRM Univ. AP Student		
		Performance from SRM Univ AP Student		

	15.30 – 18.00	Closing Free time		
	18.00	Back to Homestay		
Saturday, 28 January 2023	06.00	Drop off to International Airport Jakarta	LKHI	

Country	Start Date	End date	Duration of program	Staff and Faculty
Indonesia	19th Jan 2023	28th Jan 2023	10 Days	Sandeep Samala

S.No	Full name of the student	Semester	Enrollment Number	Gender	Email ID (Enter SRM AP Mail ID Only)	Name of Department	Contact Number	Program Status
1	Chippalapally sahana	1	AP22111260050	Female	Sahana_chippalapally@srmmap.edu.in	Computer Science and Engineering	6305719763	Indonesia
2	Sindhu Maddineni	8	AP19110010037	Female	sindhu_maddineni@srmmap.edu.in	Computer Science and Engineering	9247225253	Indonesia
3	Praveen Kumar Sravanam	6	AP20111200001	Male	praveen_sravanam@srmmap.edu.in	Computer Science	7989198592	Indonesia
4	Javanth Gunda	6	AP20110010281	Male	javanth_gunda@srmmap.edu.in	Computer Science and Engineering	7396739795	Indonesia
5	M.Eeshitha	8	AP19110020006	Female	eeshitha_harikrishna@srmmap.edu.in	Electronics and Communication Engineering	9345119999	Indonesia
6	Vallela Durga Praveen	6	AP20111200002	Male	durgapraveen_v@srmmap.edu.in	Computer Science	9866919191	Indonesia
7	Kallur Venu Gopal	6	AP20110010573	Male	venuogopal_kalluri@srmmap.edu.in	Computer Science and Engineering	9866361419	Indonesia
8	Krishna Charan Kadivala	8	AP19110010475	Male	krishnacharan_kadivala@srmmap.edu.in	Computer Science and Engineering	9889388549	Indonesia
9	Tanmaya Darisi	3	AP21110011169	Male	tanmaya_darisi@srmmap.edu.in	Computer Science and Engineering	9650590176	Indonesia



**LKHI
UMMI**

PK-KM



**Kampus
Merdeka
INDONESIA JAYA**



SUMMER PROGRAM

SUSTAINABLE GEO HERITAGE

EXPLORING CILETUH PALABUANRATU UNESCO GLOBAL GEOPARK

2022

Registration



<https://s.id/sumpro2022>

OPEN REGISTRATION!

For International Student
On July 1 – August 18, 2022
Event on
September 1 – 10, 2022

Contact Person :

Phone/whatsapp: +62 858-7035-6061 (Saprudin)
+62 858-6175-5569 (Perdi)

Email : lkhi@ummi.ac.id

Hosted by
Agribusiness & Civil Engineering Study Program

Registration
Fee

International
Student from
Overseas
200\$

International
Student in
Indonesia
Rp.500.000

<https://www.international.ummi.ac.id/>

@lkhi.ummi lkhi@ummi.ac.id 0858-6175-5569(Perdi)

*Lembaga Kerja sama dan
Hubungan Internasional*

Kampus Merdeka

OSIRM

Student Exchange Program
From SRM University AP to
Universitas Muhammadiyah Sukabumi



UNIVERSITAS MUHAMMADIYAH SUKABUMI





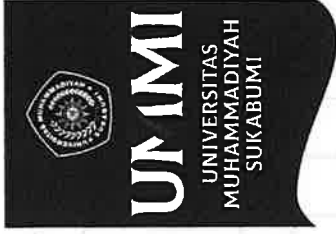


WIDHI SAKTI

JL. PEJAGALAN No. 20
SUKABUMI

宮玄盾

LILIN
HOMMIE



SRM
UNIVERSITY AP
—Andhra Pradesh

**Kampus
Merdeka**
INDONESIA JAYA

CERTIFICATE

granted to

chippalapally Sahana

For contribution

as

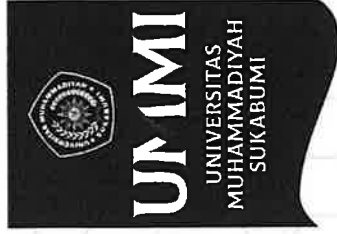
PARTICIPANT

In

Universitas Muhammadiyah Sukabumi
Student Exchange Program 2023
18th – 28th January



Dr. Sakti Alamsyah. M.Pd.



SRM
UNIVERSITY AP
—Andhra Pradesh

**Kampus
Merdeka**
INDONESIA JAYA

CERTIFICATE

granted to

Durgapraveen Vallela

For contribution

as

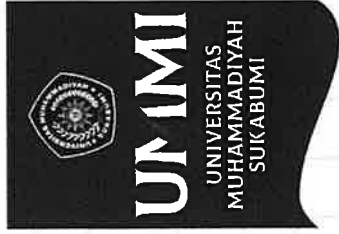
PARTICIPANT

In

Universitas Muhammadiyah Sukabumi
Student Exchange Program 2023
18th – 28th January



Dr. Sakti Alamsyah. M.Pd.



CERTIFICATE

granted to

Jayanth Gunda

For contribution
as

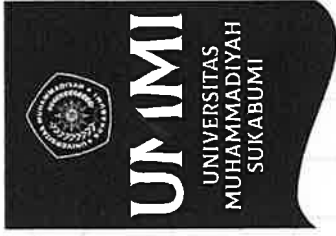
PARTICIPANT

In

Universitas Muhammadiyah Sukabumi
Student Exchange Program 2023
18th – 28th January



Dr. Sakti Alamsyah. M.Pd.



CERTIFICATE

granted to

Krishna Charan Kadiyala

For contribution
as

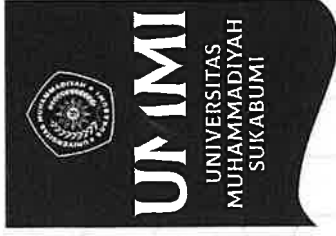
PARTICIPANT

In

Universitas Muhammadiyah Sukabumi
Student Exchange Program 2023
18th - 28th January



Dr. Sakti Alamsyah. M.Pd.



CERTIFICATE

granted to

M. Eeshitha

For contribution
as

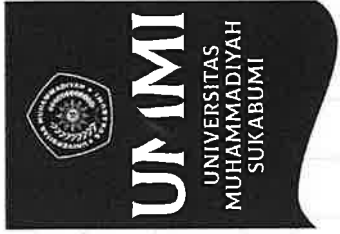
PARTICIPANT

In

Universitas Muhammadiyah Sukabumi
Student Exchange Program 2023
18th-28th January



Dr. Sakti Alamsyah. M.Pd.



SRM
UNIVERSITY AP
—Andhra Pradesh

**Kampus
Merdeka**
INDONESIA JAYA

CERTIFICATE

granted to

Praveen Kumar Sravanam

For contribution
as

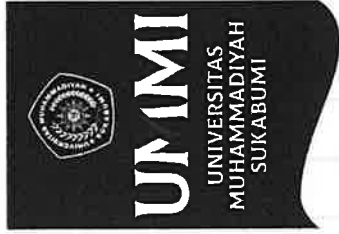
PARTICIPANT

In

Universitas Muhammadiyah Sukabumi
Student Exchange Program 2023
18th – 28th January



Dr. Sakti Alamsyah. M.Pd.



CERTIFICATE

granted to

Sindhu Maddineni

For contribution
as

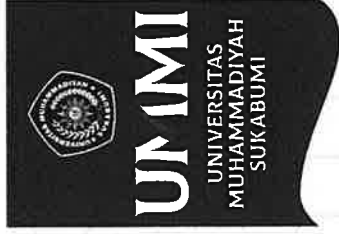
PARTICIPANT

In

Universitas Muhammadiyah Sukabumi
Student Exchange Program 2023
18th - 28th January



Dr. Sakti Alamsyah. M.Pd.



CERTIFICATE

granted to

Tanmaya Darisi

For contribution
as

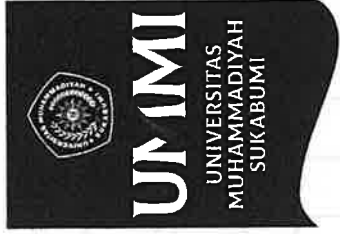
PARTICIPANT

In

Universitas Muhammadiyah Sukabumi
Student Exchange Program 2023
18th - 28th January



Dr. Sakti Alamsyah. M.Pd.



CERTIFICATE

granted to

Venugopal Kalluri

For contribution
as

PARTICIPANT

In

Universitas Muhammadiyah Sukabumi
Student Exchange Program 2023
18th - 28th January



Dr. Sakti Alamsyah, M.Pd.

INTERNATIONAL COLLABORATION AGREEMENT BETWEEN

Groupe Rennes School of Business- a non-profit organization under the French law, whose registered office is located at 2 rue Robert d'Arbrissel 35065 Rennes (FRANCE), registered in the Prefecture under the number W353011767, represented by Thomas FROELICHER, in his capacity as Dean & General Director, duly authorized for the purpose hereof, hereinafter referred to as « **RSB**»,

on the one hand,

and:

SRM University AP, hereinafter referred to as "**SRM AP**", located in Andhra Pradesh registered in Andhra Pradesh Private regulation (Establishment and Regulation) Act, 2016 and represented by Dr. R. Premkumar, in his capacity as Registrar, duly authorized for the purpose hereof, hereinafter referred to as "**SRM AP**",

on the other hand,

Individually referred to as a « party » and collectively as the « parties ».

Preamble

In the spirit of prolific international relations and academic cooperation, RSB and SRM AP wish to strengthen their ties following their mutual interests in delivering programs of academic excellence and cultural diversity. Hence, RSB and SRM AP have decided to enter into this agreement.

Objectives

The two institutions agree to promote mutually beneficial activities in the areas of education, research, and other academic issues, and to cooperate and work together towards the internationalization of higher education. Such cooperation may include, but is not limited, to:

- Progression Programmes
- Exchange of Students

- Organisation of Executive programmes for the professional community
- Short "Study abroad seminars": Winter session, Summer Program
- Executive education: virtual projects, Study tours
- Admission as degree-seeking students on a fee-paying basis
- Collaborative virtual student projects
- Joint research projects
- Joint conferences and publications
- Exchange of faculty members

All the activities carried out under the terms of this agreement shall be separately negotiated and determined by both institutions, subject to the availability of resources, giving consideration to the specific strengths and limitations of each institution. Such a cooperative agreement is not intended to be a legally binding document but rather is intended to describe the nature and the guidelines for mutually beneficial cooperation.

Nothing, therefore, shall diminish the full autonomy of either institution, in carrying out the agreement.

Duration of the agreement & automatic renewal

This Agreement shall be in force and binding upon the Parties for a period of two (2) years, beginning on September 2022. It can be renewed with the written consent of both parties.

Progression Programmes

a. International Pathway at Bachelor (2+1) with credit transfer from SRM to RSB

This cooperation is to enable **SRM AP** students to start a Bachelor degree in **SRM AP** for 2 years and avail **RSB Bachelor's degree (BIM)** through a transfer of credit and the completion of 1 year in **RSB (BIM3)**.

After the completion of first 4 semesters of Undergraduate studies in Business/Commerce at **SRM AP** and having obtained 120 ECTS credits, students from **SRM AP** will have the opportunity to study at **RSB** on its International Bachelor programme in Management 3rd year (**BIM3**) and obtain this bachelor's degree under the following model: A whole academic year of courses (September to May)

- Internship and graduating project to be supervised by **RSB**

- Students will earn **64 ECTS credits** and will be awarded the **BIM degree** (after completing exams and submitting the Graduating Project)

RSB will be responsible for issuing certificates of registration, transcripts, and degree to concerned students and keeping the student's records. Students successfully completing their program at **RSB** and obtaining all ECTS credits will be granted the International Bachelor Programme in Management from **RSB**. **SRM AP** shall only transfer the credits to **RSB** and not issue any degree in this case.

A discount of 15% would be applied on **RSB** tuition fees (Sep22 fees amount to 9000 euros/year as a perspective).

b. Master programme at RSB post UG in SRM AP

This agreement is concluded to enable 5 SRM AP Bachelor students, to study for one year in RSB "Master", after successfully completing Bachelor studies at SRM AP.

In accordance with the academic calendar, SRM AP students can come to RSB for Fall (September) intake.

Final year Bachelor students at SRM AP who have obtained credits required for the award of a Bachelor's Degree (equivalent to 180 ECTS credits or 120 US credits minimum) may apply to follow the Master Programmes (MSc) taught entirely in English at RSB with 10% discount on tuition fees.

The duration of the MSc programs at **RSB** is of 15 months:

- September/April: full-time courses and exams
- May/December: Internship & Graduating Project

13 MSc specialization at RSB -

- MSc in Strategic and Digital Marketing
- MSc in International Finance
- MSc in Geopolitics and Business
- MSc in International Luxury and Brand Management
- MSc in International Human Resource Management
- MSc in International Accounting, Management Control & Auditing
- MSc in Supply Chain Management
- MSc in Sports and Tourism Management
- MSc in International Negotiation and Business Development
- MSc in Data and Business Analytics
- MSc in Global Business Management
- MSc in Sustainable Management and Eco Innovation

- Msc in Financial Data Intelligence

The exact study programs will be updated by RSB every year.

c. Summer Programmes

Students from SRM AP would be having access to our Summer Programmes under certain conditions:

Doing Business in Europe

Cross Cultural Management

Sustainable Business

Students who successfully complete the program will be awarded 6 ECTS / 3 US credits.

Conditions are: maximum 3 SRM AP students per Summer Programme in order to ensure diversity in the cohort.

Final price and conditions for those programmes may be provided each year in January for a session between May and June. As a perspective, Summer Programme for 2021 were priced 1065 Euros (cost of living and transport excluded).

English Language requirements

➤ **Applicants from SRM AP to RSB:**

SRM students who wish to follow courses in English should have a B2 level in English (equivalent to TOEFL: 550 (PBT) 79 (IBT)) or be native speakers, in which case a language test is not required.

A certificate from SRM AP proving the English level may suffice.

Knowledge of French is not necessary, as all the classes will be given in English.

Credit Equivalence and transfer issues:

- ✓ 2 ECTS = 1 US credit
- ✓ 1 SRM credit = 1 US Credit. The earned credits can be transferred from one institution to the other

Admission process

Students from SRM AP to RSB:

All applications must be filed in the timeframe provided on the website of the school on www.apply.rennes-sb.com. Students would be required to conduct also an interview before an admission decision can be taken. Once the jury has made its decision, **RSB** will send a Confirmation Letter and relevant materials for visa application and will liaise with the CampusFrance office to facilitate the visa procedure.

Promotion of Cooperative Projects

Each institution should allow or invite the partner concerned to make a presentation or organize a seminar in order to promote partnership programs. This student agreement is not intended to be a legally binding document but rather is intended to describe the nature and the guidelines for mutually beneficial cooperation. Nothing, therefore, shall reduce the full autonomy of either institution, in carrying out the agreement.

Termination - Revision

In the event of non-execution or violation by one of the parties of any of the provisions of the Students Exchange Agreement, the Agreement may be terminated by the other Party 30 (thirty) days after the sending of a formal notice by registered letter with acknowledgment of receipt, which shall remain without effect, without prejudice to any damages and interest that may be claimed from the defaulting Party, and not exclusively:

- In the circumstance of failure by one of the Parties to fulfil its obligations
- In the circumstance of failure to comply with the conditions of use of the logo or trademarks
- In the circumstance of damage or risk of damage to the image of one of the parties that may result from the collaboration that is the subject of this agreement, if one of the parties is publicly involved in events that are difficult to reconcile with the values and principles of the other party.

Furthermore, this Agreement shall be and ipso jure terminated if, in particular, either Party finds it impossible to continue this Agreement because of a legislative or regulatory change concerning it or its activities.

Termination shall occur within fifteen (15) days of formal notice sent by registered letter with acknowledgment of receipt.

Any termination of the agreement must consider the rights of students already participating or accepted in the Programme.

Either party may terminate the agreement any time by giving 30 days prior written notice to the other party.

Confidentiality and Professional Secrecy

Each Party undertakes to keep confidential all documents and information concerning the other Party, of whatever nature (except for documents and information already in the public domain) to which it may have had access during the performance of this contract.

The Parties shall take vis-à-vis their personnel all necessary measures to ensure, under their responsibility, the secrecy, and confidentiality of all information and documents coming to their knowledge during their mission. The Parties undertake to ensure compliance with this clause by the person they call upon.

It is agreed that if a Party intends to communicate any of this information to a third party, it must obtain the other Party's prior written consent.

The Parties agree that this confidentiality clause shall remain in force for a period of three (1) years after the expiry of this Contract.

Conditions of use of trademarks, logos, and distinctive signs

The rights to use and reproduce the respective trademarks, distinctive signs and logos of the Parties are granted to the Parties on a precautionary and non-exclusive basis for the sole duration of this Convention. The rights granted shall automatically terminate upon termination of this Convention, whatever the cause.

The Parties undertake to reproduce their respective trademarks, distinctive signs, and logos clearly and visibly, without alteration or modification, i.e., in strict compliance with the wording, proportions, graphics, and colours. These logos may not be reproduced, without the Parties' agreement, in association with a trademark or logo other than those of the Parties.

The Parties undertake to transmit to each other before any act of reproduction or representation of their respective trademarks, distinctive signs, or logos, whatever the form, all the models, files, or illustrations concerned.

This communication shall be made within fifteen (15) working days to enable the Parties to examine the elements concerned, make their observations, and, if necessary, request any modification they deem necessary. The Parties may not put into circulation communication media of this Contract reproducing their respective trademarks, distinctive signs, or logos without having received prior authorisation from the other Party.

In general, the Parties shall take care not to distort the terms of their collaboration or damage the other Party's image or corporate purpose. The preservation of this image is a key factor in the success of cooperation, the existence of which must in no way affect the Parties' freedom of action and communication, including on the issues to which it relates, in respect of which the Parties accept that their respective positions may diverge. Each Party should remain free to express its differences.

Just cause

The Party whose trademark, distinctive sign, or logo is to be used may oppose its use only on a just ground, which may, for example, consist of damage to its image. It is specified that this just ground for opposition by a Party may result both from the medium on which its trademarks, distinctive signs, or logos are used and from the context in which they are used, reproduced, or represented.

Compliance with the Legislation and Standards in Force

RSB and SRM AP undertake, in executing this contract, to comply with the laws applicable to all their national or international activities, the standards in force, and the values that govern their rapprochement subject of this Contract and recalled in the preamble.

The Parties undertake to provide their employees with a safe and healthy workplace following the laws in force.

In a spirit of transparency, the Parties undertake to communicate any environmental problems related to the creation and marketing of its products or services or relating to the areas covered by this Contract as soon as these are deemed serious enough to require discussion within the framework of this Contract.

Arbitration

All Disputes, controversies or differences that may arise between the parties hereto, out of or in relation to or in connection with this Agreement or for the breach thereof, shall be settled amicably through negotiations in good faith. Should the parties fail thereby to resolve a dispute, a party may request that the matter be settled in an arbitration proceeding in accordance with the rules and under the provisions of the Arbitration & Conciliation Act, or any other enactment or statutory modification thereof made by the Government. The Venue of arbitration shall be India.

Governing Law

This Agreement shall be governed and construed in accordance with the laws of India and with exclusive jurisdiction to the courts of India.

Force Majeure

Neither party shall be held responsible for non-fulfillment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Epidemics, etc. provided on the occurrence and cessation of any such event the party affected thereby shall give notice in writing to the other party within one month of such occurrence or cessation. If the force

majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

Partial Validity

If one or more stipulations of the Contract are held to be invalid or declared as such by a competent court's final decision, the other stipulations of the Contract shall retain their full force and scope.

Non-Exclusive

This cooperation contract is non-exclusive and leaves the Parties free to set up other cooperation actions like the one covered by this agreement.

General Data Protection Regulation

DMPP Compliance

For any processing of personal data carried out in connection with this contract, the parties will comply with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals regarding the processing of personal data and the free movement of such data and repealing Directive 95/46/EC (General Data Protection Regulation) - "GDPR."

Each party represents and warrants the other party that it will strictly comply with the DPMR for any processing of personal data carried out in connection with this contract.

Notwithstanding any clause to the contrary, the parties shall not incur any contractual liability under this contract to the extent that compliance with the DPMR would prevent them from performing any of their obligations under this contract.

Personal data of SRM

If Rennes School of Business carries out the processing of SRM's personal data or allows a third party to do so, it must inform SRM and comply with the RGPD, and if necessary, instruct the third party to do the same and guarantee that it will comply.

Personal data of Rennes School of Business

If SRM carries out the processing of personal data by Rennes School of Business or allows a third party to do so, it must inform Rennes School of Business and comply with the RGPD, and if necessary, instruct the third party to do the same and guarantee that it will comply.

Personal data of third parties & Commitment to confidentiality

If the Partnership involves processing personal data of third parties, such personal data shall remain confidential. Consequently, following Article 14, paragraph 5(d) of the GDPR, the parties will not be obliged to provide the person concerned with the information listed in Article 14.

Sub-processing of personal data

Within the framework of the contract's execution, the parties may be led to carry out the processing of personal data on behalf of the other party, the latter alone determining the purposes and means of the processing. In this case, each party will be responsible for the processing, and the other party will be its processor, in the sense of article 28 of the GDPR. Before any processing of personal data, the parties will conclude a processing contract.

Co-Processing of personal data

Within the contract's execution framework, each party may be required to determine, jointly with the other party, the purposes and means of processing personal data. In this case, the Parties will be jointly responsible for the processing within the meaning of article 26 of the RGPD. Before any co-processing of personal data, the Parties will conclude a co-processing contract.

Contact data for notices regarding this agreement

Rennes School of Business:

Contact:

Maud LE BARS

South Asia Area Manager

E-mail: maud.le-bars@rennes-sb.com

Leah Honiberg

International Mobility Officer

Address: 2 rue Robert d'Arbrissel

Phone: +33 (0)2 99 54 63 63

SRM University AP:

Contact: Dr. Naga Swetha Pasupuleti

Address: Neerukonda, Amravati

Phone: +91-9871018881

E-mail: Assocdirector.ir@srmmap.edu.in

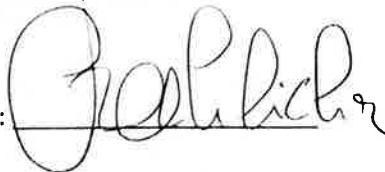
In witness thereof, the parties below have offered their signatures:

For and on behalf of

Rennes School of Business

Dr Thomas FROEHLICHER

Signature:



Date:

23/08/2022

For and on behalf of

SRM University - AP

Dr. R. PREMKUMAR

Signature:



Date:

23/8/2022

Ms Lavanya Chandra vadhana Pulipati
Date of birth: November 7th, 2003
D.no:118-11-1256,sanathi nilayam,Housing board colony
Guntur
India

Rennes, July 20th, 2023

LETTER OF CONDITIONAL ACCEPTANCE

Dear **Lavanya Chandra vadhana**,

Thank you for your recent application to join the programme **Bachelor in Management (BIM) 3rd year** offered at Rennes School of Business.

All the courses are taught in English.

We are delighted to inform you that this application has been accepted for **September Intake 2023 from September 18th, 2023 to June 27th, 2024*** subject to the condition(s) stated below:

- A letter from your university certifying that you will successfully obtain the required 120 ECTS credits (equivalent 60US Credits). (To be submitted at your arrival at the latest)

If you want to take part in this programme, please confirm your enrolment by going to <https://apply.rennes-sb.com/registration> and filling in the enrolment form and attaching proof of the deposit payment of €1500 before **31th July 2023**.

(*) these dates can be subjected to slight changes

Congratulations on your success! We hope you will enjoy the experience of studying at Rennes School of Business.

Yours sincerely,

Mrs. Béatrice RABET
Dean For Programmes of Rennes School of Business



**RENNES
SCHOOL
of BUSINESS**

UNFRAMED THINKING

Terms and conditions

A. Amount of tuition fees and additional expenses

Tuition fees are determined for the entire duration of the programme and paid per year or per programme (MSc). However, tuition fees are subject to review in case of repetition or retakes (course or exam).

Tuition fees do not include additional expenses that are to be paid each year. Additional expenses are subject to change from one year to another as they may include application fees, student card fees, alumni fees and fees for student associations.

B. Payment policy

For international students, a first instalment has to be paid on signing the enrolment form:

- 3,000 € for MSc and 2-year programmes
- 1,500 € for IBPM.

The remaining balance of the total tuition fees + additional expenses is to be paid, in Euros by bank transfer on or before your arrival at school (1st September for students beginning in September and 2nd January for students beginning in January):

For International Students: Through **Flywire** (an online payment method solution that will ensure you a straightforward and free of charge transfer: <https://rennes-sb.flywire.com>)

For French Students: the deposit can also be made by bank transfer:

Account: Groupe ESC Rennes
Bank identity statement: **BNP PARIBAS**
18 Quai Duguay Trouin - 35000 Rennes - FRANCE
IBAN: FR76 3000 4024 8300 0107 4571 586 - Swift Code: BNPAFRPPCRN

The student name must appear on the bank transfer form. The receipt of the Bank draft or transfer in Euros has to be uploaded with your registration form.

Rennes School of Business cannot be held responsible for transaction fees, foreign exchange losses and any additional charges related to the payment of tuition fees. Such expenses must be borne by the candidate and the net amount received into Rennes' School of Business account should correspond to the amount required.

Any subsequent variation in the method of payment must be discussed with and agreed upon by the programme administration before the beginning of the programme. All requests for variations in payment method must be made in writing.

C. Amendments, cancellation, exclusion policy and reimbursement policy

Exceptionally, an applicant may not obtain a visa for France for reasons beyond her/his control. On the bases of a certified visa refusal delivered by the French Embassy, Rennes School of Business will reimburse tuition fees paid, provided that such a request is made in writing before September 30th for September intake or January 31st for January intake.

If an applicant fails to meet the conditions set out in her/his acceptance letter and confirmation of enrolment before 1st September (for students beginning in September) and 2nd January (for students beginning in January), Rennes School of Business will reimburse all tuition fees already paid provided that a written request for such reimbursement is made by this date. The request must include proofs of student's difficulty (i.e language test results).

Any notice of withdrawal intervening one month following the application signature or after 3rd September (for students beginning in September) or 3rd January (for students beginning in January) will not entitle the applicant for reimbursement. In addition, once the programme has started, total tuition fees are due and will not be refunded.



In the event of a failure to pay on the due date of payment mentioned above, and if the student does not answer the letters/emails of reminder sent to him/her, his/her Rennes School of Business resources will be cut.

D. Personal data

Personal data manager

The association Groupe ESC Rennes (Rennes SB) is the manager of processing of the student's personal data carried out under the framework of his or her education.

Data Protection Officer

Rennes SB has appointed a Data Protection Officer, whose e-mail address is: dpo@rennes-sb.com or address: Secrétariat général – DPO, Groupe ESC Rennes
2 Rue Robert d'Arbrissel, CS 76522, 35065 Rennes cedex

Objectives and legal purpose

This information is gathered for the purposes of execution of these General Conditions and in the legitimate interests of Rennes SB.

Objectives	Legal Purpose
administrative management	Execution of our contract Respect of legal obligations Legitimate interest of the school
management of the educational syllabus	Execution of our contract Respect of legal obligations Legitimate interest of the school
management of examinations	Execution of our contract Respect of legal obligations Legitimate interest of the school
management of any sanctions	Execution of our contract Legitimate interest of the school
management of enrolments and absences	Execution of our contract Respect of legal obligations Legitimate interest of the school
recovery of any unpaid fees	Execution of our contract Legitimate interest of the school
management of social files	Execution of our contract Respect of legal obligations Legitimate interest of the school
management of internships	Execution of our contract Respect of legal obligations Legitimate interest of the school
management of disabilities	Execution of our contract Respect of legal obligations Legitimate interest of the school
carrying out surveys and for statistical purposes	Your consent and our legitimate interest
management of access to the Internet within the educational institution	Execution of our contract Legitimate interest of the school
ensuring the security of the premises and the car park	Execution of our contract Legitimate interest of the school
commercial prospecting actions	Your consent and our legitimate interest

Categories of data collected and sources:

Rennes School of Business deals with the following categories of personal data: identity (name, first name, place of birth, nationality...), e-mail address, information on personal life (civil status, social situation...), data related to courses (timetable, programmes followed at school and partner schools, examination results...), data related to fees payments et non-payments, social needs, disabilities, commercial actions.

When data collected are essential to fulfil the objectives listed above, they are identified with an asterisk. If a student doesn't complete this mandatory information, Rennes School of Business may not be able to fulfil these objectives.

Data are directly collected by Rennes School of Business in case of registration at the school services. Data can also be sent by the school partners (higher education institutions, ...).

Use of data

The processing is intended for the use of the services of Rennes SB. The student's data may also be sent to the partners and/or service providers of Rennes SB for the purposes of managing the educational syllabus, management of internships, and carrying out surveys or for statistical purposes. Sub-contractors acting on the instructions of Rennes SB shall be required to implement appropriate protection measures.

Some of Rennes SB's partners (particularly institutions of higher education) are located outside the European Union, and particularly in China and in India. In that case, Rennes SB shall ensure that these transfers are carried out in accordance with French regulatory requirements (for example, implementation of contractual clauses adopted by the European Commission). You can contact the DPO to get some more information about this and receive copy of the related documents.

Rennes SB shall also forward the student's contact details to the graduates' association called the "Rennes School of Business Alumni" so that it may contact them (particularly as far as entry in the register of alumni is concerned).

Conservation

The personal data processed by Rennes SB are kept in accordance with the regulations relating to data protection and in accordance with the timespans required by law. Generally speaking, the data are kept in accordance with Circular No. 2005-003 of 22 February 2005 of the French Ministry of Education, Higher Education and Research. So, for example:

- The data relating to the administrative and educational file (civil registry details, internal and external courses of study, validation of experience, results in interim and final examinations, etc.) are kept for 10 years;
- The timetables are kept for one academic year;
- The data relating to management of disabilities are kept for the period for which the disabilities last if they are less than the period of study or, otherwise, for the period of study;
- The data relating to unpaid fees are kept until amicable settlement of the dispute or, failing that, until the requirements of legal proceedings are fulfilled;
- Copies of exam papers are kept for a period of one year after publication of results, unless there is a dispute;
- Papers and transcripts of marks are kept for one year;
- Exam reports are kept for 50 years;
- Orders regarding the assignment of study grants are kept for 5 years;
- Files concerning honour loans are kept for 5 years longer than the loan period;
- Data relating to commercial canvassing are kept for 3 years;
- Survey questionnaires are kept for 5 years.

Individual rights

At any time, the student has the right to object, based on legitimate grounds, to these processing actions. To this end, the student is invited to contact the Data Protection Officer via e-mail at: dpo@rennes-sb.com.

The student has the right to request that his/her personal data management is limited if (i) he/she contests the accuracy of data at the time when the school is checking this accuracy, (ii) he/she considers that data management is illicit and requires their use to be limited rather their removal, (iii) the school doesn't need his/her data to fulfil the objectives listed above but keep them as they are necessary for legal proceeding, (iv) during the time to examine a request regarding the two parties legitimate interest to manage his/her individual data.

The student also has the right to object to commercial canvassing without having to provide a reason for doing so, by sending an e-mail to: dpo@rennes-sb.com or a letter by mail to the following address:

General Secretariat – DPO, Groupe ESC Rennes
2 Rue Robert d'Arbrissel, CS 76522, 35065 Rennes cedex

The student also has a right to access and modify data concerning him or her. The student also benefits from a right to limitation of processing, a right of erasure, and a right to portability of the data in accordance with the applicable regulations.

These rights may be exercised at any time by sending an e-mail to dpo@rennes-sb.com or a letter by mail to the following address:

General Secretariat – DPO, Groupe ESC Rennes
2 Rue Robert d'Arbrissel, CS 76522, 35065 Rennes cedex

The student also has the right to draw up specific or general directives concerning the keeping, erasure and communication of his or her personal data on a *post-mortem* basis. General directives (concerning all of the data of a personal nature relating to the person in question) may be registered with a trusted digital third party certified by the CNIL (National Commission of Information Technology and Civil Liberties). Specific directives relating to the data processed by Rennes SB may be forwarded by contacting the Department dpo@rennes-sb.com.

The student may also (should he or she wish to do so) lodge a complaint with the National Commission of Information Technology and Civil Liberties (CNIL). Additional information can be accessed at



UNFRAMED THINKING

RENNES SCHOOL OF BUSINESS
CAMPUS RENNES
2, rue Robert d'Arbrissel - CS 76522
35065 RENNES Cedex - FRANCE

CAMPUS PARIS
9, rue d'Athènes
75009 PARIS - FRANCE

+33 (0)2 99 54 63 63
contact@rennes-sb.com
rennes-sb.com



European Business Schools
Ranking 2021

Agreement between
Stanford India Private Limited
and
Hatchlab Research Centre

The parties to this agreement (hereinafter called “Agreement”) are Hatchlab Research Centre, Mangalagiri, Neerukonda Tadikonda Rd, Mangalagiri Mandal, Andhra Pradesh India-522502., (hereinafter called the “Collaborator”) of the one part and Stanford India Private Limited, a company registered under the laws of India under registration number U74999DL2017FTC317295 having its registered office at III Floor, Devika Tower, Nehru Place, New Delhi – 110019 (hereinafter called “SIPL”, “Stanford” or “Stanford Seed” which expression shall, where the context so admits, include its successors in title and permitted assigns) of the other part. SIPL is a wholly-owned subsidiary of Stanford University and Stanford Global LLC.

The effective date of the Agreement is 28 July 2022 (“Effective Date”).

Stanford Seed Spark is a five-month long online entrepreneurship program (hereinafter called the “Program” or “Spark”) that provides practical tools to help aspiring/early-stage founders to refine their business or business idea. Spark is an initiative of the Stanford Graduate School of Business and Stanford Seed. Stanford Seed partners with entrepreneurs in emerging markets to build thriving enterprises that transform lives.

Hatch Lab Research Centre (SRM University AP India) was Inaugurated with the potential to create startups focusing on economic growth, strategic value, and social relevance. It gives prototyping grants, provides Incubation support to tech startups, and runs accelerator programs in a corporate partnership.

The mission of our incubator will create an ecosystem that will foster and support innovation and knowledge-based entrepreneurship amongst the SRM University AP.

1. Duties and Responsibilities

1.1 SIPL duties and responsibilities

SIPL will facilitate the Program, including (but is not limited to) the following:

1. Creating an online learning curriculum and related activities;
2. Hosting the curriculum on a dedicated platform for a cohort of early stage entrepreneurs;

3. Performing communications and program management for Spark cohort members on the platform;
4. Enabling peer discussions among cohort members;
5. Providing access to 1:1 volunteer mentor engagement support where appropriate;
6. Issuing certificates of completion for those participants who meet all Program criteria;
7. Setting the Program fee amount per participant from collaborator network;
8. Recruiting, selecting and onboarding volunteer mentors to the Program;
9. Matching mentors with Spark program participants, where appropriate;
10. Defining Program admissions criteria for participants and mentors and exercising the right to offer or reject admission to the Program, with or without cause;
11. Developing and implementing satisfaction, and other program monitoring surveys for participants, mentors and other stakeholders:
 - (a) SIPL will provide survey instruments and weekly reflection templates to the Collaborator for the Collaborator's participants to complete and for SIPL's use. Survey instruments include a baseline survey, satisfaction surveys by module(s), and an exit survey at program completion;
 - (b) SIPL will participate in focus groups and user interviews, if any, organized by the Collaborator for SIPL to learn from, and evaluate user satisfaction experiences with the curriculum.
12. Providing Collaborator participants and Collaborator program managers (up to 2) log-in credentials for the learning platform. (Each individual user will be issued Spark login ID credentials.)
 - (a) Specifically, during the period of the validity of this Agreement, the total number of login credentials will not exceed 12. SIPL will make available the login IDs free of cost for Collaborator, upon receiving an approved list of users' details from the Collaborator in writing. The validity of a login ID shall be for 6 months from the date of creation Agreement, whichever is earlier;

(b) SIPL reserves the right to disable login IDs that remain unused or inactive for a span of 5 consecutive days from the date of creation of these login IDs;

(c) SIPL reserves the right to withdraw access to individual users with cause; and

(d) SIPL will provide access to log in user support.

1.2 Collaborator Duties and Responsibilities:

The Collaborator, Hatchlab Research Centre, (HRC) will:

1. Identify, using its own established recruitment processes or programs, promising founders to participate in Spark;
2. Provide the Participant Name, Venture Name, Email address and Mobile number of each participant in order for SIPL to assign login IDs to the Spark participant, including but not limited to, entrepreneurs / investees / incubatees / budding entrepreneurs / potential investees / mentors/ facilitators) (hereinafter "Spark participant") admitted into the Program;
3. Identify mentors, where possible, from its network, to work with Spark participants according to their established process of mentor selection, if such a process exists;
 - a. HRC mentors will help Spark participants engage with Spark curriculum to improve their business venture/business idea;
 - b. In collaboration with, if and as requested by, Spark Program managers, organize communication between mentors and participants and develop mechanisms for participant deliverables to be collected for mentor review and feedback;
 - c. In collaboration with, if and as requested by, Spark Program managers, monitor the progress of Spark participants and provide accountability mechanisms and practical feedback on Spark curriculum deliverables. HRC will give SIPL access to completed Spark deliverables from Spark participants and mentors in order for SIPL to evaluate the curriculum's effectiveness and to recommend changes / enhancements.
 - d. Charge a Program fee of USD150 (one hundred and fifty dollars), with applicable exchange rates on the transaction date and inclusive of local taxes, for each Spark participant on confirmation of admission to the program and (except any Collaborator mentors/facilitators/program managers) prior to the start of the program. All financial transactions of this fee are managed, collected and utilized by HRC only and issue a receipt or invoice or bill as per HRC norms. SIPL will not take part, or benefit from or in, any form of this financial transaction before or after the program. HRC, at its discretion, may choose to utilize the fee in full, or granting a refund of the total fee to a participant after he/she completes and receives a Spark Program Certificate of Completion.

In the event that the parties are unable to complete the Program delivery due to events set out below in clause 7 (Force Majeure), HRC shall use its best efforts to reimburse the participants' Program fee in full, or part, at its discretion.

2. Marketing/Branding

Neither Party may use the other's logo, brand, name, or likeness in any material not exclusively meant for internal use only, without the prior written approval of the other party, including but not limited to, revealing the existence of this Agreement. The parties will jointly agree, in writing, on any publicity or marketing regarding the collaboration contemplated by this Agreement prior to engaging in such publicity or marketing.

Subject to the review and prior approval within 7 business days by SIPL, HRC may publish in their marketing materials, website, and social media posts that the Stanford Seed Spark platform is being made available to their Spark participants and mentors.

3. Platform

Nothing in this Agreement shall override the Terms of Service of the online learning platform for Program. The current platform is NovoEd ("NovoEd Platform") and its terms of service can be accessed at <https://www.novoed.com/terms-of-service/>.

SIPL reserves the right to change the Spark program platform service provider at any time. SIPL will notify Collaborator of any service provider change that occurs during the period of this agreement.

4. Intellectual Property

SIPL agrees and acknowledges that intellectual property (IP), which the Spark end-user solely or jointly conceives, develops, reduces to practice, causes to be conceived or developed or reduced to practice, during the term of Spark use, shall belong to the end user alone. Any educational IP created by Spark or Stanford either prior to the entry of this Agreement, or during the period when this agreement is in force, and which is used by Spark during the delivery of the program shall remain the property of Spark. HRC is not permitted to distribute, sell or otherwise commercially exploit any part of the Spark program and platform materials, including posting the materials to the Internet.

This Agreement does not override nor should not be considered part of any separate IP contract between the HRC and Spark.

5. Data and Confidentiality

All personal data and information collected by SIPL through Stanford Spark will be used only for the purpose of research and feature enhancements. Any disputes arising

from the use of collected information shall be raised or brought to notice first and foremost only to SIPL in writing and shall be resolved by mutual consent, except as required by law.

The terms & conditions of this Agreement and all information, which flows to each party in relation to its activities that are identified as confidential, other than information which is already within the public domain independently of any breach by a Party of this agreement ("Confidential Information") are confidential. No disclosure of Confidential Information is permitted without the written consent of the concerned Party, except as required by law.

6. Indemnity

The Collaborator agrees to indemnify and hold harmless SIPL, the Program, and Spark, its officers, employees and agents from all claims, liabilities and losses to the extent based on gross negligent acts or gross negligent omissions of the Collaborator, its officers, employees, and agents in the performance of this Agreement. SIPL agrees to indemnify and hold harmless the Collaborator, its officers, employees and agents from all claims, liabilities and losses to the extent based on gross negligent acts or gross negligent omissions of SIPL, the Program, and Spark, its officers, employees, and agents in the performance of SIPL's obligations under this agreement.

7. Force Majeure

If performance of this Agreement or any obligation under this Agreement is prevented, restricted, or interfered with by causes beyond either party's reasonable control ("Force Majeure"), and if the party unable to carry out its obligations gives the other party prompt written notice of such event, then the obligation of the party invoking this provision shall be suspended to the extent necessary by such event. The term Force Majeure shall include without limitation, acts of God, fire, explosion, vandalism, storm or other similar occurrences, orders or acts of military or civil authority, or by national emergencies, insurrections, riots, or wars, or strikes, lock-outs, work stoppages or a pandemic. The excused party shall use reasonable efforts under the circumstances to avoid or remove such causes of non-performance and shall proceed to perform with reasonable dispatch whenever such causes are removed or ceased. An act or omission shall be deemed with the reasonable control of a party if committed, omitted, or caused by such party, or its employees, officers, agents, or affiliates.

8. Anti-bribery laws or anti-corruption laws

The Collaborator agrees that it shall not violate any anti-bribery laws or anti-corruption laws, including the U.S. Foreign Corrupt Practices Act and any applicable international and local country anti-bribery and anti-corruption laws, decrees, and regulations in connection with his/her activities under this Agreement, and shall take

no actions that could subject SIPL, the Program or Spark to liability under such applicable laws. The Collaborator agrees that it shall not offer, make, transfer, or promise, in connection with the transactions contemplated by this Agreement, or in connection with any other business transactions involving SIPL, the Program or Spark, any payment or anything of value, directly or indirectly, that could constitute public or commercial bribery, acceptance of or acquiescence in extortion, kickbacks, or other unlawful or improper means of obtaining or retaining business. The anti-bribery policy, with which Collaborator must comply while performing the Services under this Agreement is available at <https://adminguide.stanford.edu/chapter-12/subchapter-1/policy-12-1-2>.

9. Entire Agreement

This Agreement contains the entire agreement of the Parties, and there are no other promises or conditions in any other agreement whether oral or written concerning the subject matter of this Agreement. This Agreement supersedes any prior written or oral agreement between the Parties.

10. Notices

Any notice or communication required or permitted under this Agreement shall be sufficiently given if delivered in person or by certified mail, return receipt requested, to the address set forth in the signing clause below or to such other address as one party may have furnished to the other in writing.



11. Duration of Contract and Renewal

This contract is in effect for the period of time it takes for one cohort of Collaborator's participants to take part in the Program or six-months of time, whichever is earlier. It is subject to renewal for subsequent cohorts by the mutual, written agreement of both parties in advance of the start of subsequent Spark program cohorts.

12. Governing Law

This Agreement shall be construed in accordance with the laws of India.

In witness whereof, the parties hereto have caused this Agreement to be executed by their duly authorized representatives.

<p>For SIPL</p>  <p>Authorized Signatory Mr. P.R. Ganapathy, Regional Director, Stanford Seed South Asia</p>	<p>For HRC</p>  <p>Authorized Signatory Mr. Udayan Bakshi, CEO-Hatchlab Research Centre, HRC</p>
<p>Contact information: Name: Mr. P.R. Ganapathy</p> <p>Address for communication: Stanford India Private Limited, Express Avenue Chambers Tower II No.49/50L, 6th Floor, Whites Road, Royapettah, Chennai, India, 600014</p> <p>email ID: prgana@stanford.edu</p>	<p>Contact information: Name: Mr. Udayan Bakshi</p> <p>Address for communication: Hatchlab Research Centre Mangalagiri, Neerukonda Tadikonda Rd, Mangalagiri Mandal, Andhra Pradesh India, 522502.</p> <p>email ID: udayan.b@srmmap.edu.in</p>
<p>Date: 28 Jul 2022</p>	<p>Date: 29-July-2022</p>

Stanford Seed Spark Application - Please fill before August 21st, Sunday ,09:00 PM IST

3 messages

seedspark <seedspark@stanford.edu>
To: "ravi@eatx.ai" <ravi@eatx.ai>
Cc: Jaya Prakash Narayana <jayaprakash.n@srmmap.edu.in>

Wed, Aug 17, 2022 at 12:11 AM

Dear Dakshayani,

Greetings from Seed Spark!

You received this email, because you expressed an interest and subsequently, we've received your startup, **EatX Inc** from **HRC , Hatchlab Research Centre** to participate in the Seed Spark online entrepreneurship program starting from September 01st, 2022.

Seed Spark is an online entrepreneurship program offered by Stanford Institute for Innovation in Developing Economies (Stanford Seed). Seed Spark helps aspiring entrepreneurs running early-stage start-up in traction and growth stages to build their strategy, grow their network and ultimately boost their business acumen.-

We urge you to **read this Seed Spark Program Application Guidelines document before starting** the application process.

When ready, **please fill the Seed Spark Program Application and submit before Aug 21st, Sunday, 09:00 PM IST.**

If you have trouble opening the application, you can use this link: <https://www.tfaforms.com/5003861> (opens externally).

This application focuses on learning more about you as an entrepreneur and your venture. All company and personal data will remain strictly confidential. Only the participant (entrepreneur) who intends to participate in Spark program should complete this application.

Important: Please note that nomination or filling this application does not guarantee your admission to the program. Based on the information you provide in this application, Spark Admission team will communicate your "Admission Status" on or before August 25th, 2022.

If you think you have received this email by mistake or you wish to withdraw your nomination, please reach out to **Mr. Jaya Prakash Narayana** at jayaprakash.n@srmmap.edu.in from **HRC, Hatchlab Research Centre** for more details.

If you have any questions, or if any portion of the survey is not clear or understandable, please contact us at seedspark@stanford.edu

Regards,
Seed Spark Team

Jaya Prakash Narayana <jayaprakash.n@srmmap.edu.in>
To: "ravi@eatx.ai" <ravi@eatx.ai>
Cc: Udayan Bakshi <udayan.b@srmmap.edu.in>

Thu, Aug 18, 2022 at 11:37 AM

Dear Dakshayani,

Greetings!

It's a gentle reminder. I request you to try to fill out the application by this EOD to stand out from the crowd.

Thanks & Regards

Jaya Prakash Narayana
Assistant manager - Entrepreneurship
Dept. of Entrepreneurship and Innovation



SRM University AP
Neerukonda, Mangalagiri Mandal
Guntur District, Andhra Pradesh - 522502

Hand Phone: +91 955 326 6661, 968 5511 620 | Landline: +91-866-2429299 / 1800-599-2233 (Toll Free)
Email: jayaprakash.n@srmmap.edu.in
Website: www.srmmap.edu.in

[Quoted text hidden]

Ravi dakshayani <ravi@eatx.ai>
To: seedspark <seedspark@stanford.edu>
Cc: Jaya Prakash Narayana <jayaprakash.n@srmmap.edu.in>

Sat, Aug 20, 2022 at 3:25 PM

Hi Jayaprakash,

I would like to confirm that I have submitted the application for the seed spark program.

Attached the Document with the answers given.

Thanks,
Dakshayani.

[Quoted text hidden]

 **Standford.docx**
4078K



Certificate of Completion

This certificate is awarded to

DAKSHAYANI RAVI

Fatx

for successful completion of

STANFORD SEED SPARK PROGRAM

September 2022 - January 2023

DARIUS TETER, EXECUTIVE DIRECTOR

P. R. GANAPATHY, REGIONAL DIRECTOR

Seed | Spark

An entrepreneurship program by Stanford Seed

Seed Spark Admission and Invite to Online Orientation Session on June 15, Thursday 10AM IST

2 messages

Seed Spark <seedspark@stanford.edu>
To: Jpnchamplook <jpnchamplook@gmail.com>
Cc: Jayaprakash N <jayaprakash.n@srmmap.edu.in>

Sat, Jun 10, 2023 at 2:26 PM

Dear Jaya Prakash Narayana,

Congratulations! We are delighted to offer you admission to the Seed Spark online entrepreneurship program offered by Stanford Seed.

You will now be part of **Seed Spark 07 South Asia June – November 2023 Cohort**. Spark is an Immersive 05-month online program specifically designed for high-potential entrepreneurs running early-stage start-ups to build their strategy, grow their network and boost their business acumen.

As a participant in the Spark Program, you will:

- Take advantage of a world-class curriculum from the Stanford Graduate School of Business and the Innovative thinking that has shaped some of the most successful companies in Silicon Valley.
- Apply your learnings Immediately to grow and scale your start-up.
- Establish relationships that build your network and help fuel your growth.
- Upon successfully completing the program, be able to contribute and make use of Stanford Seed Spark Network resources.

Your admission to the Spark program is conditional on the following items:

1. Pay the Spark program fee, if pending, to **HRC, Hatchlab Research Centre, SRM University Andhra Pradesh**, our Spark collaborator as communicated by them. You will have to upload the **Invoice/receipt of the program fee on the program platform on or before June 19th, 2023 (Monday) EoD**.
2. All information you provide in Spark Application is accepted as true and correct. Before or during the program, upon scrutiny, if the Spark team or Spark Collaborator finds any dispute or Incorrect Information deliberately entered to secure program admission through deception, it will lead to termination from the program with cause.
3. You will agree to sign the **Spark Participant Agreement** which will be available on our Edtech platform on **June 15th, 2023**.

Throughout the program, you will receive program communication and platform login credentials to this email ID **jpnchamplook@gmail.com** and your start-up is **Rama Raghava Consumables Private Limited**, as mentioned by you in your application form.

If there are any changes to this Information, please let us know before June 15th, 2023, through email at seedspark@stanford.edu. Details cannot be modified later.

Program Kick-off and Orientation:

Please join our **Program Kick-Off and Orientation** session on **June 15th, 2023, Thursday, 10:00 AM – 11:30 AM IST** using the following Zoom registration link.

The Spak team is inviting you to a scheduled Zoom meeting.

Topic: Spark Entrepreneurs Kick-Off and Orientation Session

Time: Jun 15, 2023, 10:00 AM India

Register in advance for this meeting:

<https://stanford.zoom.us/meeting/register/tJ0ocOGgpj4rGNelKmW1XRHHv3Ro2JHg-XYw>

After registering, you will receive a confirmation email containing information about joining the meeting.

To prepare yourself for the Orientation session, please read Spark Program Summary and add Spark Program Calendar (in Google Calendar format) to your calendar or bookmark it in your browser for future reference.

We look forward to getting to know you and your start-up better over the coming months!

Please email us at seedspark@stanford.edu if you have any questions or need more information.

Sincerely,
Seed Spark Team

Jaya Prakash Narayana Ilavarapu <jpnchamplook@gmail.com>

Sat, Jun 10, 2023 at 6:46 PM

To: Seed Spark <seedspark@stanford.edu>

Cc: Jayaprakash N <jayaprakash.n@srmmap.edu.in>, "udayan.b@srmmap.edu.in" <udayan.b@srmmap.edu.in>

Dear Seed Spark Team,

Greetings of the day!

Thanks for the Admission into Seed Spark. It's been a privilege to be part of it.

Thanks & Regards,

Jaya Prakash Narayana,
Rama Raghava Consumables Pvt. Ltd,
Ongole, Andhra Pradesh - 523001.
Contact No- 9685511620.

[Quoted text hidden]

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తెలంగాణ తెలంగాణ TELANGANA

Sl.No. 472 Date 17/2022 Rs.100/-

Sold to: P.A. Rahul Kumar

S/o.D/o.W/o. Ashok Kumar Kb. Seidad

For Whom: Taurean Surgical

AP 062140

R.LUDY BHASKAR

LICENSED STAMP VENDOR

L.No.16-05-082-2011

R.No.16-05-025-2020

R.R.GENERAL & STATIONERY STORES

#8-1-462, Shivajinagar,

Sec'bad, Ph:9848492447.

MEMORANDUM OF UNDERSTANDING
BETWEEN
SRM UNIVERSITY AP
AND
TAUREAN SURGICAL, HYDERABAD

This memorandum of understanding entered into on July 1, 2022 between Taurean Surgical, with registered office at Hyderabad (hereinafter referred to as Taurean Surgical which expression shall where the context so admits include its successors and permitted assignees) and SRM University AP, Mangalgiri-522240, Guntur District, Andhra Pradesh (hereafter referred to as SRM AP which expression shall where he context so admits include its successors and permitted assignees) of the other part.

Whereas Taurean Surgical has expertise in the following technical areas

- Surgical robots
- Next generation visualization for surgical robots
- Ergonomic surgical robot platforms
- Augmented reality
- Precision image guidance systems.

Contd...2...

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P.A. Rahul Kumar

Whereas SRM AP has the following expertise and facilities

- Highly qualified and experienced faculties
- University wide licenses for Solidwork software- 60 licenses
- University wide license for Ansys 19.1- 60 Teaching and one full license
- University wide license for Matlab- 500 nos
- High performance computers with 32 GB ram - 7 nos, Normal PCs - 60 nos
- Universal Robot UR5
- Quanser Qbot

1. Whereas Taurean Surgical and SRM AP have agreed to collaborate on the following areas.

- Taurean Surgical will deliver free of cost webinars on Surgical Robot Technology and similar topics to all students of SRM AP.
- Taurean Surgical will offer full time summer internships on industry-oriented projects to our BTech and MTech students.
- Taurean Surgical will offer series of skill building projects based on industry work to our BTech and MTech students who will work under joint guidance of SRM AP faculties and Taurean Surgical experienced professionals. These projects will be based on real life industry problems. These projects will be of varying durations and they can be mapped directly with UROP or MDDP or Capstone projects in curriculum based on the duration. There will be no charges from the company for this.
- Taurean Surgical will offer in-campus internship to some of the students of SRM AP based on their project performance.
- Taurean Surgical will offer jobs to some of the brightest students based on their project performance.
- SRM AP will provide necessary software licensing and simulation infrastructure.

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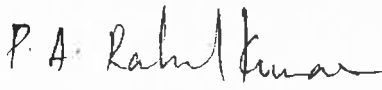
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P. A. Rahul Kumar

1. Taurean Surgical and SRM AP agreed to enter into separate agreements on case-to-case basis with the scope of work involving terms and conditions, financial agreements, intellectual property rights and respective responsibilities.
2. Whereas this MOU is valid for 10 years from the date of signing. However, it may be extended for further period or curtailed with mutual consent.
3. Except as hereinbefore provided, any dispute arising out of this MOU, the same shall be referred to the arbitration of two arbitrators one to be appointed by each party to the dispute, and in case of difference of opinion between them to a umpire appointed by the said two arbitrators before entering on the reference, and the decision of such arbitrators shall be such as the case may be shall be final and binding on both. The venue of the arbitration shall be such place as may be fixed by such arbitrators or umpires and the arbitration shall take place under the Indian arbitration act 1040 as modified in 1996.
4. Either parties may terminate the MOU by giving notice to the other for whatever reasons. In the event of such termination, either party has to fulfil their part of the obligation till the date of such termination.
5. The confidentiality of all the documents and processes involved will be maintained from both the sides.
6. This MOU has been executed in two originals, one of these has been referred by Taurean Surgical and the other by SRM AP


In witness whereof, the parties hereto have signed this MOU on the day, month and year mentioned herein below

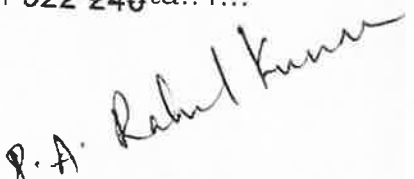
Signed, sealed and delivered
For and on behalf of Taurean


Dr Rahul Kumar
CEO, Taurean Surgical



Signed, sealed and delivered
Surgical For and on behalf of SRM AP


Registrar
SRM AP
SRM UNIVERSITY-AP
Andhra Pradesh-522 240 .4... |





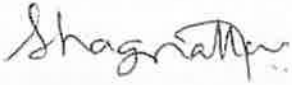
Witness

Prof Prakash Jadhav
HOD, Mechanical



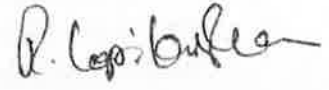
Witness

Prof B V Babu,
Dean of Engineering



Witness

Prof P Vivekanand Shanmuganathan



Witness

Gopi Krishna Ratnakaran

Product head

P. A. Ramesh/Kumar

**Research Consultancy Project Proposal on
Image-Guided Robotic Surgery**

**Submitted by
SRM University AP**

**To
Taurean Surgical Inc.**

**Principal Investigator
Prof. P. Vivekananda Shanmuganathan**

Proposed Research Team

Sl. No.	Faculty Member	Department	Proposed Role
1	Prof. P. Vivekananda Shanmuganathan (Principal Investigator)	ME	3D Image Tracking; Robot Trajectory Studies; Mechanical Tool Integration with Cobot; Overall Coordination
2	Dr Jasvinder Singh	ME	3D Printing
3	Dr Manjesh Kumar	ME	Mechanical Design; 3D Modeling; 3D Printing / Mechanical Fabrication related to Drilling Tool Fixtures
4	Dr Amit Kumar	ME	- Do
5	Dr Anuj Deshpande	ECE	3D Image Tracking
6	Dr K A Sunita	ECE	Modelling, Analysis, and Simulation of the Drilling

Facilities Available at SRM AP



Universal Robot UR5e (Cobot) with six-axis wrist force sensing
Microsoft Kinect 3D Camera (Part of Qbot Mobile Robot) 3D
Printers – 3 Nos. (Materials: PLA, FFF, Medical Resins)
Bioprinter – 1 No. (Purchase Proposed)
SolidWorks (Educational Version) for 3D Modelling.
MATLAB (Educational Version) for Analysis / Image Processing.

Origin of the Proposal



Online Interaction between experts from Taurean Surgical and SRM University AP (Jun 28, 2022)

Dr Rahul Kumar, CEO, Taurean Surgical

Mr Gopal Ratnakaram, Turean Surgical

Prof Prakash Jadhav, SRM AP

Prof P Vivekananda Shanmuganathan, SRM AP

Agreement for Collaboration in the area of Robotic Surgery

Personal visit by Taurean Team for the signing of MoU with SRM University AP (July 13, 2022)

Online meeting on the Scope of Work (Aug 12, 2022)

Scope of Work

1. Image Tracking with 3D Camera
2. Camera and Target Localisation using Optical Markers
3. 3D Printing of a human skull based on the CT-Scan Data
4. Bench Testing of Silicone Unit
5. Accuracy / Precision Studies on the Robot Trajectory
6. Studies on Skull Drilling

Research Areas

Research Area	Scope of Work	Sl. No. of the Scope of Work
Computer Vision (C)	Image Tracking with 3D Camera Optical Markers	1, 2
Mechanical Design and Fabrication (M)	3D Printing of Human Skull 3D Printing / Sourcing of Silicone Units Surgical Drilling Machine (Sourcing and Fixture Design and Fabrication) Sourcing of Minor Accessories	3, 4 5 (Silicone Units)
Robotics (R) Tool Integration and Calibration	Surgical Drilling Tool Integration	3
Robotics (R) System Integration, I/O Interfacing, Programming, and Testing	Bench Testing and Trajectory Studies	1, 2, 5

Budget



Research Area	Scope	Amount ₹ in Lakhs	Remarks
Mechanical Design and Fabrication (M)	3D Printing, Fabrication Charges, Raw Material	1.25	Not Inclusive of: Surgical Drilling System and Accessories.
Computer Vision (C)	Equipment	1.34	Towards: 3D Camera Devices. Non Inclusive of: Computers with higher specifications and AR/VR devices.
Computer Vision (C)	Manpower	7.04	Intern @ Rs 3k-6k per month (full time / part time), Research @ Rs 22k-32k per month (Full Time)
Robotics (R) Tool Integration and Calibration	Electronic Hardware / Miscellaneous	1.00	Available at SRM AP
	TOTAL	₹ 10.63 Lakhs	



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called "MOU") is made on 15-Jun-2022 by and between Infosys Limited (including its subsidiaries and Affiliates), a corporation organized and existing under the laws of India and having its primary place of business at Electronics City, Hosur Road, Bangalore 560 100, India (hereinafter "Infosys") and SRM University – Andhra Pradesh (including its subsidiaries and Affiliates) organized and existing under the laws of the state of Andhra Pradesh and having its primary place of business at Neerukonda – Kuragallu Village, Mangalagiri Mandal, Guntur District, Andhra Pradesh – 522 240 (hereinafter "Partner"). Partner and Infosys being referred to individually as a "Party" or collectively as the "Parties"

Recitals

WHEREAS the Partner is a SRM University-AP an Academic Institute is offering Undergraduate Program – i) School of Engineering & Applied Sciences (SEAS) – B. Tech (CSE/ECE/ME/EEE/CE) & B.Sc. – Mathematics, Physics, Chemistry, Biology, Environmental Sciences, ii) School of Liberal Arts & Basic Sciences (SLABSS) – English, Economics, History, Journalism, Psychology & Commerce. iii) School of Management – MBA & BBA. Also offering Post Graduation program – M. Tech & PhD (hereinafter referred to as "Services"); and

WHEREAS Infosys is a global leader in consulting, technology, and outsourcing solutions and has agreed to provide their proprietary Springboard Platform for the Services.

NOW THEREFORE, for and in consideration of the mutual agreements and covenants hereafter set forth, the Parties hereto agree as follows:

1. BROAD SCOPE OF ACTIVITIES

The objective of this MOU is to establish a written document forming a basis under which the Parties may enter into agreements to perform Services as defined in Schedule A & B.

- 1.1 Both Parties understand that this is a Corporate Social Responsibility ("CSR") initiative hence scope of work can be augmented further as and when required.
- 1.2 Also, necessary augmentation, in consultation with both the Parties, can be made regarding the time period of the MOU.
- 1.3 The relationship between the Parties is non-exclusive and nothing herein will prohibit either Party from pursuing similar agreements with any company or person.

2. CONFIDENTIAL AND PROPRIETARY INFORMATION

Each Party acknowledges and agrees that any and all information emanating from the other Party's business, in any form, including but not limited to information relating to the disclosing party's past, present, or future research, development or business activities is "Confidential and Proprietary Information". Each Party agrees that it will not, during or after the term of this MOU, permit the duplication or disclosure of any such Confidential and Proprietary Information to any person (other than an employee, agent or representative of the other party who needs such information for the performance of the obligations hereunder), unless such duplication, use or disclosure is specifically authorized by the disclosing Party in writing. "Confidential and Proprietary Information" is not meant to include any information which (a) is publicly available prior to this MOU or is made publicly available by the disclosing party without restriction; (b) is rightfully received by the receiving party from third parties without accompanying secrecy obligations; (c) is already in the receiving party's possession



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and was lawfully received from sources other than the disclosing party; or (d) is independently developed by the receiving party. The secrecy of the Confidential and Proprietary Information disclosed pursuant to this MOU shall be maintained for a period of five (5) years following disclosure thereof.

3. Data Privacy

3.1. The Parties hereby agree that each of it shall be acting in the capacity of an independent Data Controller and no PII (as defined under this MOU) of the other Party shall be used for any purposes other than for the fulfillment of the purpose of this MOU and provision of the Services as contemplated herein.

The Parties hereto categorically agrees that no PII shall be transferred outside India for the purpose of the Services contemplated under this MOU. Infosys while processing Personal Data for the purpose of services contemplated herein; shall adhere to the stipulations agreed under the Schedule C.

3.2 With respect to Personal Data provided by or on behalf of Partner or permitted by Partner to be provided to Infosys: (a) Each party will comply with all Laws, including all Laws relating to privacy or data security (b) Infosys and Partner will not be required to monitor or advise the other, in determining compliance with laws; (c) in the event of any change to (including changes in interpretation of a Law which requires a change to all or part of the Service, the Parties may make appropriate adjustments to the terms of the MOU and the Service, as determined by Infosys; and (d) Partner will encrypt all Partner Personal Data, prior to the provision to Infosys of such Partner's Personal Data by or on behalf of Partner or permitted by Partner to be provided to Infosys, or using such in connection with the Services. Partner is responsible for back up of all Partner Data.

3.3 Infosys has established and maintains a data security program. The existence of the data security program does not relieve either party of their obligations otherwise described in the MOU.

4. OWNERSHIP AND RESTRICTIONS

As used in this Section 4, the following terms have the respective meanings set forth below:

"Content" means any material hosted or to be hosted on Infosys Springboard including but is not limited to text, data, images, videos, graphics, code or other items.

"Partner Content" means all the Content that Partner uploads on or make available through Infosys Springboard.

"Infosys Content" means all the Content owned by Infosys or licensed to Infosys by any third party.

"Intellectual Property Rights" means all patents, copyrights and related rights, database rights, utility models, design rights, trademarks, service marks, rights in undisclosed or Confidential Information (such as knowhow, trade secrets and inventions) (whether patentable or not) and other rights of a like nature (whether registered or unregistered) and all applications for such rights as may exist anywhere in the world.

4.1 Except as provided herein, this MOU will not be construed to grant any license under any trade secret, patent, patent application, industrial design, trademark, copyright, mask work, confidential process, formula, plan, computer program, data or other valuable confidential information or know-how to either Party. Each Party will own and retain all of its right, title, and interest in and relating to its intellectual property rights in its Products and Services and Confidential Information, both currently used and that which may be developed and used in the future. For avoidance of doubt, all intellectual property rights in Infosys Springboard and Infosys Content will be retained by Infosys. Except otherwise provided in this MOU, Partner is not permitted to use the Infosys Springboard and Infosys Content.



A handwritten signature in black ink is written over a circular stamp. The stamp contains some illegible text, possibly a date or a reference number.

4.2 Each party will have the non-transferable, non-exclusive, revocable license to use the other Party's logo(s), trade names(s) and trademarks and the names of its Products ("Marks") identified in Schedule D, all in unmodified form, solely for identification purposes in relation to the branding and marketing for the Services described in this MOU. All Marks must be reproduced on all copies of the Products and may not be altered or removed. The Party owning a Mark may modify, add or delete any such Marks upon sixty (60) days prior notice to the other Party. Each Party further agrees to ensure that all such use will comply with good trademark usage practices and the standards of display and trademark usage guidelines provided by the other Party and to take no action that would in any way infringe or interfere with the other Party's rights in its Marks. Each Party agrees to cooperate fully with the other Party in facilitating the other Party's monitoring and control of the nature and quality of the use of the other Party's Marks. Neither Party will have any right, title or interest in the Marks of the other Party, which will remain its sole and exclusive property, and each Party will retain all goodwill inured through the use of their respective Marks and, thus, agrees to assign to the other Party any rights that such Party may acquire in the applicable Marks by operation of law or otherwise. At no time during or after the term of this MOU will either Party challenge or assist others to challenge the other Party's Marks or the registration thereof or attempt to register, use or permit the use of any trademarks, marks or trade names confusingly similar to those of the other Party.

4.3 Infosys grants Partner a non-exclusive, limited, revocable, non-transferable, non-sublicensable license during the term to access and use Infosys Springboard and Infosys Content within the territory of India for educational and non-commercial purposes. Partner agrees not to distribute, transmit or publicly display any Infosys Content or any derivative work of Infosys Content to any third party. Partner agrees to retain all copyright or other notices fixed on any Infosys Content.

4.4 All Intellectual Property Rights in Partner Content will be retained by Partner. Partner represents and warrants that it has the necessary rights, licenses or consents to upload the Partner Content and to authorize end users of Infosys Springboard to access the Partner Content.

4.5 Partner hereby grants Infosys and its Affiliates a non-exclusive, worldwide, royalty-free, transferable, perpetual, irrevocable license (with right to sub-license) to host, copy, store, modify, distribute, create derivative work, transmit or publicly display the Partner Content for the purpose of this MOU.

4.6 Partner agrees that Infosys has the right to remove the Partner Content from Infosys Springboard in the event Infosys receives any written notice or grievance from any third-party alleging infringement of its Intellectual Property Rights or violation of any privacy rights of that third party resulting from the Partner's Content.

4.7 Partner agrees to indemnify, defend and hold harmless Infosys, its Affiliates, directors, officers, employees, representatives, and agents for any losses, damages, or expenses incurred by Infosys (including reasonable attorney fees) against any third party claim arising from the PARTNER'S Content.

4.8 Partner agrees not to do, and not to allow or authorize any of its Instructors or third party to do, any of the following:

- a) reverse engineer any aspect of Infosys Springboard or do anything that might discover source code or bypass or circumvent measures employed to prevent or limit access to any area, content or code of Infosys Springboard; and
- b) develop any third-party applications that interact with Infosys Springboard without our prior written consent.

5. TERM

This MOU shall become effective on the last date of signing of this MOU ("Effective Date") and shall continue for a period of 5 (Five) years.



The Parties shall be entitled to terminate this MOU at any time by giving 30 days written notice of such termination to the other Party. Nothing in this MOU shall prevent the Parties from terminating this MOU immediately if there occurs a material breach of the terms and conditions mentioned herein.

6. EXPENSES

Each Party will bear the costs and expenses of its performance under this MOU, unless agreed otherwise by the Parties in writing.

7. LIMITATION OF LIABILITY

Except for claims arising due to breach of Section 2 (Confidential and Proprietary Information) and 9(g) (Non-Hire), neither Party shall be liable to the other Party for damages, whether in contract, tort or otherwise, arising out of or in connection with this MOU. In no event shall either Party be liable for any indirect, special, incidental, consequential, punitive, tort or other damages, however caused, including, without limitation, any damages resulting from loss of use, loss of data, loss of profits or loss of business arising out of or in connection with this MOU, or of any other obligations relating to this MOU, whether or not the Party has been advised of the possibility of such damages.

8. NOTICES

All notices to be given in connection with this MOU shall be effective upon receipt, shall be made in writing and shall be sufficiently given if personally delivered or if sent by courier or other express mail service, postage prepaid, addressed to the party entitled or required to receive such notice at the address for such party as follows:

To Partner:

Attention: Dr. R. PremKumar
Title: Registrar – SRM University
Address: Neerukonda – Kuragallu Village, Mangalagiri Mandal, Guntur District,
Andhra Pradesh – 522 240 (hereinafter referred to as SRM University-AP)

To Infosys:

Infosys Limited

Attention: Mr. Thirumala Arohi
Senior Vice President and Head, Education Training and Assessment
Address: Electronics City, Hosur Road, Bangalore – 560100, India

With a copy to:

Attention:
Department: Legal Department
Address: Electronics City, Hosur Road, Bangalore – 560100, India
Phone : +91 80 28520261

Either Party may change such address by notice to the other Party.

9. GENERAL PROVISIONS



a. **Independent Contractors.** It is expressly understood that Infosys and Partner are contractors independent of one another, and that neither has the authority to bind the other to any third person or otherwise to act in any way as the representative of the other, unless otherwise expressly agreed to in writing signed by both parties hereto.

b. **Force Majeure:** Each Party shall be excused from any failure to perform or any delay in performing its obligations under this MOU by reasons which arises from causes beyond a Party's reasonable control and not occasioned by its fault or negligence.

c. **Compliance with Laws:** Each Party will comply with all applicable laws, rules and regulations in its performance of this MOU.

d. **Assignment:** Neither Party will have the right to assign or otherwise transfer its rights or obligations under this MoU without receiving the express prior written consent of the other Party, such content not be unreasonably withheld. Notwithstanding the above or any contrary provision contained in this MoU, the Parties shall have the right to assign this MOU, in whole or in part, to any of their affiliates, parents or subsidiaries, or to any successor by way of merger, consolidation or acquisition of a substantial amount of the assets of said corporation or its parent company.

e. **Dispute Resolution and Arbitration:** In the event of any dispute arising out of or in connection with this MOU, the Parties will attempt in good faith to resolve such dispute through negotiations between them. Where the parties are unable to resolve a dispute by means of negotiation, the dispute shall be finally settled by arbitration conducted in accordance with the rules of the Arbitration & Conciliation Act, 1996 as in effect on the Effective Date of this Agreement. Such disputes will be resolved by a single arbitrator appointed by the parties after mutual agreement. The seat of arbitration will be Bangalore, India. The language of the arbitration will be English. Each party will bear its own expenses in the arbitration and will share equally the costs of the arbitration; provided, however, that the arbitrators may, in their discretion, award costs and fees to the prevailing party. Judgment upon the award may be entered in any court having jurisdiction over the award or over the applicable party or its assets.

f. **Governing Law:** This MOU, and any dispute arising from the relationship between the parties to this MOU, shall be governed by laws of India, excluding any laws that direct the application of another jurisdiction's laws.

g. **Non Hire:** Except as otherwise expressly agreed to by the other Party in writing, each Party agrees not to directly or indirectly or through third parties solicit or hire for employment any of other Party's employees involved in the provision of Services under this MOU during the term of this MOU and for a period of one (1) years following its completion or termination.

IN WITNESS WHEREOF, the parties have executed this MOU by their authorized representatives as of the date first written above.

For Infosys Limited



Date: 27.06.2022

Place: **Bangalore**

Name: **Mr. Thirumala Arohi**

Title: **Senior Vice President and Head
Education Training and Assessment**



For Partner



Date: 15-Jun-2022

Place: **SRM University – Andhra Pradesh**

Name: **Dr. R . Premkumar**

Title: **Registrar – SRM University, AP**

Head-Education, Training and Assessment

INFOSYS LIMITED

Education, Training & Assessment

44, Electronics City, Hosur Road

BANGALORE - 560 100 INDIA

SCHEDULE A

Infosys Springboard Scope and Details of the Services

Infosys has launched Springboard initiative to accelerate progress on its ESG goal to expand digital re-skilling initiatives to 10 million plus people by 2025. As part of Infosys CSR, Infosys Springboard provides a curriculum-rich virtual platform that delivers corporate-grade learning experiences, on any device, with closer educator-learner collaboration for students from Class 6 to lifelong learners. This, alongside formal education, helps accelerate digital re-skilling for participating learners, ranging from school and college students to professionals and adults.

Infosys Springboard's holistic set of courses, powered by Infosys Wingspan and developed in collaboration with world-leading digital content providers, takes advantage of Infosys' 4 decades of rich experience in employee and broad-based student competency development. It is also fully aligned with India's National Education Policy 2020. The learning program is particularly well-suited to grow vocational skills in addition to soft skills. Master-classes, programming challenges, practice areas and playgrounds for experimentation make the training immersive for all. The assessment formats that follow are new-age ready with certification for learners who pass the virtual proctored examination. As of February 2022, nearly 17.5 lakhs learners and 1000+ education institutions, NGOs and support groups are already onboard Infosys Springboard.

Infosys Springboard empowers:

- Students to 'learn by doing' and develop holistically in preparation for emerging jobs and career opportunities.
- Women with a focused learning micro site, specialized resources and expert mentors for holistic development as planned and scheduled events.
- Working professionals with advanced digital skills to prepare them for new age and emerging roles of future.
- Teachers to better collaborate with learners on their skilling journey using the platform's engagement features.
- NGOs to extend learning benefits more broadly, especially to the underserved sections of society.

Infosys Springboard will further amplify ongoing programs like Infosys Campus Connect to deepen industry-academia relationships, Infosys Catch Them Young annual training program in Information Technology for high school students and Aspire and Achieve workshops for aspiring professionals. Infosys Springboard App is now available on both Play Store and App Store.

Following are some of the new learning initiatives and capabilities launched recently.

- Infosys CodersZen, for learning programming languages Java, Python, C#, JavaScript and more.
- Virtual / digital classroom capabilities which can be leveraged by the institutions to conduct their regular online classes.
- Video Proctored Exam / Assessments environments which can be used by institutions to conduct online test.





All of the above features including Telemetry, customized microsite, Virtual Digital Classrooms and Video proctored Exam environments are available for institutions to leverage.

College students have access to quality content in professional programming, Playgrounds for all emerging technologies, domain skills and project management skills from leading content providers in the world. They also have access to certification programs which will improve their employability.

The Parties will work together to develop a plan for performing the Services contemplated under this MOU. The plan may include, among other things, conducting joint branding and marketing calls, joint presentations, developing branding and development proposals, determining user interface strategy and user needs.

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A circular seal of SRM University AP, Andhra Pradesh, with the text "SRM UNIVERSITY AP" and "ANDHRA PRADESH" around the perimeter.

SCHEDULE B

Faculty Enablement Program



Human capital has been amplified through focus on Work, Workplace, and Workforce. Through Infosys Springboard, we attempt to share with you the Infosys way of building a Culture of Lifelong Learning over the years, our trials and experiments, our learning and progress. It covers Learning Experience, an introduction to Learning Platforms, and the way features work their magic along with advanced telemetry. Infosys has clarity of vision and strategy for future of learning and adoptions of technology in learning.

The next generation of learning will require entire ecosystems to come together – from governments and institutions to enterprises and technology partners to managers and employees. At Infosys, we are focused on bringing these moving parts together to truly impact the way we up-skill and learn. We are making the world future-ready, and the Infosys Springboard is a step in that direction.

At Infosys, we believe in lifelong learning for our employees, and competency development continues to be a key area of strategic focus for us. The formal Education and Training Division was set up more than three decades ago and has been at the forefront of driving employee learning and development programs using a combination of innovative technology, content, and deep expertise of our people.

Today with emerging technologies, new delivery models, changing talent demographics, geopolitical challenges, and now the COVID-19 situation and its aftermath are some of the forces disrupting and changing the talent needs of every industry. In this context, following are the core principles that have guided us in our talent transformation journey. We believe same thing is applicable for educational institutes at large

1. **Motivating to learn:** To be successful in driving this transformation, we had to ensure all barriers to learning are removed. This would ensure learners are able to access resources anytime, anywhere, and on any device – thereby taking complete control of how they want to manage their learning journey.
2. **Leveraging the Teacher-Student relationship:** For learning efforts to be effective, we saw a need for creating an active role for teachers in supporting and guiding their students in their learning journeys.
3. **Just-in-time Learning:** Trends indicated that people prefer to learn on the go, at their convenience, and just-in-time of the need. For this to happen, content had to be organized in micro-learning modules and thus meet the needs of different personas within the institution.
4. **Learning experience:** Most learners are used to digital experiences on platforms like Netflix, Amazon Prime shopping, YouTube, etc. Digital learning solutions that we set out to develop also had to be designed to provide such experiences.
5. **Ready for the future while delivering excellence today:** The Agile ways of working marked by shorter and continuous release cycles meant that there is a need to balance today's challenges with tomorrow's opportunities. Learning programs and courses had to be designed to meet these needs.

Teachers and educators play a pivotal role in enabling and preparing the students for their career aspirations. Infosys Springboard will make this process efficient and intuitive. Professors and faculty members of Partner can make use of Infosys's expertise and Springboard platform as follows to amplify the impact:

- The faculty development program will consist of series of sessions on the following aspects
 - "Facilitate to Engage" course towards effective teaching techniques.
 - Instructional design and content creation.
 - Introduction and awareness to emerging and digital technologies
 - How to leverage online platform for effective learner engagement
 - Authoring courses and assessments on online platforms.
- The program will be delivered online virtually by Infosys experts.
- In addition, faculty can up-skill themselves and learn new skills through the courses available on Springboard platform.
- Faculty can conduct Virtual classes on the platform and conduct online assessments for their students.
- Faculty can use the courses available on springboard for including in the curriculum and as elective subjects.
- Faculty can create Microsites for their respective institutions and curate prescriptive content for their students.
- Faculty can create their own profile and learning reference materials and discussion forum through knowledge board feature.

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SRM UNIVERSITY AP
ANDHRA PRADESH

SCHEDULE C

PRIVACY & DATA PROTECTION AGREEMENT
On the Processing of Personal Information/Data by Contract
("Data Processing Agreement"/ "DPA")

By and Between

Infosys Limited (and their subsidiaries, parent, and affiliates)
with its registered office at

(Plot No. 44 & 97A, Electronics City, Hosur Road, Bangalore -560100, Karnataka, India)
(hereinafter "Infosys")

And

[SRM UNIVERSITY – AP] (and their subsidiaries, parent, and affiliates)

with its registered office at

[SRM University-AP, Andhra Pradesh, Neerukonda – Kuragallu Village, Mangalagiri
Mandal, Guntur District, Andhra Pradesh – 522 240]
(hereinafter "Partner").

1. Definitions:

- i. 'Personal Data/Information' (hereinafter "PI/ PII") shall mean any information/data relating to an identified or identifiable natural person ('data subject'). For the purpose of this definition, PI may also include Sensitive Personal Information, as per Applicable Privacy Laws, including without limited to (i) a first name, last name, gender or initials; (ii) a home or other physical address, including street name and name of city or town; (iii) an email address or other online contact information; (iv) a telephone number etc. Additionally, to the extent any other information is associated or combined with PI, then such information also will be considered PI. PI may as well include information relating to legal entities; if so, required by the applicable law.
- ii. 'Applicable Privacy Laws' refers to all laws, rules, regulations and standards that are designed to protect the privacy rights or privacy expectations of the Parties (the term includes all subsidiaries and affiliates of the Parties), their employees, clients and client - customers and any other third-party vendors.
- iii. 'Data Controller' or 'Controller' means the entity that determines the purposes and means of Processing of Personal Data, either alone or jointly with another entity.
- iv. 'Data Subject' means any individual whose Personal Information is collected, used and/or processed under this DPA(Data Processing Agreement) for the purpose(s) as mentioned in MoU of the Parties. Explanation: list includes employees, clients, client customers, agents, contractors.
- v. 'Technical and Organizational Security Measures' means those measures aimed at protecting personal data against accidental or unlawful destruction or accidental loss, alteration, unauthorized disclosure or access, in particular where the processing involves the transmission of data over a network, and against all other unlawful forms of processing.



- vi. 'Personal Data Breach' means a breach of security leading to the accidental or unlawful destruction, loss, alteration, unauthorized disclosure of, or access to, Personal Data transmitted, stored or otherwise processed.
- vii. 'Processing' or any other derivative thereof, means any operation or set of operations performed upon PI, whether or not by automatic means, such as collection, recording, organization, structuring, storage, adaptation or alteration, consultation, use, disclosure by transmission, dissemination or otherwise making available, alignment or combination, restriction, blocking, erasure or destruction.

2. Processing of Personal Data

- i. The parties agree that in connection with the main service agreement (hereinafter "Agreement"), Partner and Infosys shall each act as a independent data controller with regard to use and processing of personal information for the purposes contemplated by the Agreement. The Parties shall each comply with Applicable Privacy Laws directly applicable to their respective use of each other's Personal Information, relating to the collection, use, processing, protection or disclosure of Personal Information, in the course of carrying out their respective obligations under this Agreement. Both Parties agree to negotiate in good faith to amend the DPA and the Agreement as necessary to address changes to Applicable Privacy Laws.
- ii. If Partner directly collects Personal Information from the data subjects and provides Infosys with Personal Information under this Agreement, Partner agrees, to provide all relevant notices through their affiliates and obtain any consent required, to share the information with Infosys and such notices and consents must sufficiently inform data subjects of the purposes for which personal information is collected. Infosys also agrees to make provisions on the Springboard so as to obtain requisite consent from each user.
- iii. Infosys agrees in respect of any such PI supplied to it by Partner that it shall: (a) only act as necessary for the purpose of rendering services warranted; (b) regarding the processing of such PI under this Agreement it shall ensure that appropriate Technical and Organizational Security Measures shall be taken against unauthorized or unlawful processing of PI and against accidental loss or destruction of, or damage to, the Personal Data; and (c) comply with any reasonable request made by Partner to ensure compliance with the measures contained in this Section. Infosys will not process, or refrain from processing, and act in a manner that puts Partner in breach under the Applicable Privacy Laws.
- iv. Nothing in this Agreement shall be deemed to prevent the Parties from taking steps it reasonably deems necessary to comply with the Applicable Privacy Laws.
- v. For the purposes of this DPA, "Applicable Privacy Laws" means all laws, codes, statutes, rules and regulations with which each Party is legally obliged to comply during the term of this Agreement.

The undersigned represent that they are duly authorized representatives of the parties and have full authority to bind the parties.

For Infosys Limited


For Partner

Date: _____

Date: 15-Jun-2022



Place: Bangalore

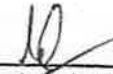
Place: Neerukonda- Guntur, A.P

Name: Mr. Thirumala Arohi


Name: Dr. R. Prem Kumar

Title: Senior Vice President and Head,
Education Training and Assessment

Title: Registrar- SRM University – AP



Signature (with seal)



Signature (with seal)

Head-Education, Training and Assessment
INFOSYS LIMITED
Education, Training & Assessment
44, Electronics City, Hosur Road
BANGALORE - 560 100 INDIA



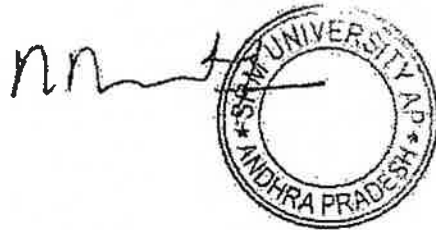


Infosys
Springboard

SCHEDULE D

Logos.

Infosys | Springboard





Corporate Relations & Career Services <cr-cs@srmmap.edu.in>

Fwd: Orientation Invitation - Infosys Ltd. || Free Digital courses/certificate || 08 Feb 2023 || 02.30 PM || X-Lab Auditorium - reg.

1 message

Corporate Relations & Career Services <cr-cs@srmmap.edu.in>
To: Anisha Yadlapalli | AP20311130008 <anisha_yadlapalli@srmmap.edu.in>

Tue, Feb 7, 2023 at 5:21 PM

Dear Students,

Courses, Certifications and Internships are always a hotcake! Here's something we have which you cannot dare to miss!!**Internships and Certifications helps to build a strong profile and be an add-on.****What's in for you?**

Infosys Ltd., in collaboration with the Directorate of CR & CS department, is conducting an orientation session by the name Infosys Springboard for Free Digital self learning Courses/Certificates/Internships which has been scheduled on Wednesday, February 08 from 02:30 PM at Auditorium, X-Lab.

Slot 1: [02.30 PM to 03.45 PM] B.Tech - Only CSE 2025 Passing Out Batch.**Slot 2: [04.00 PM to 05.15 PM] B.Tech 2024 - All Branches and B.Tech ECE,EEE,ME & CE branches 2025 Passing Out Batch. B.Sc-2024, BBA-2024 , MBA-2024 passing out batch. And all M.Tech students**

This program enables you to explore a self learning digital platform to enhance your graduate experience on par with the industry expectations.

Benefits:

- Learn from our present industry trending certification, Internship & courses (13000 + courses - Engineering & Non-Engineering) explained by experts virtually.
- Get a digital certificate from Infosys on successful completion of course/certificate which gives weightage to your Resume/CV to secure a good job opportunity.
- Learn about the support and resources available through the Infosys Springboard Platform.
- Engage in candidate discussion about a successful experience with Infosys - Management

Mandatory Instructions to Students:

- Install & Register Infosys Springboard Mobile APP (Attached document for Credentials & Login Instructions)
- Mobile APP Link: <https://play.google.com/store/apps/details?id=com.infosysit.springboard>
- Attendance is compulsory for all the students.

We think this will help you transition to life as a graduate student. **Please join us without fail and absenteeism will be viewed seriously.**

We look forward to meeting you on **08th February 2023.**

All the best

With regards

Directorate of CR & CS**SRM University - Andhra Pradesh**

Neerukonda Village

Mangalagiri Mandal

Guntur district - 522502





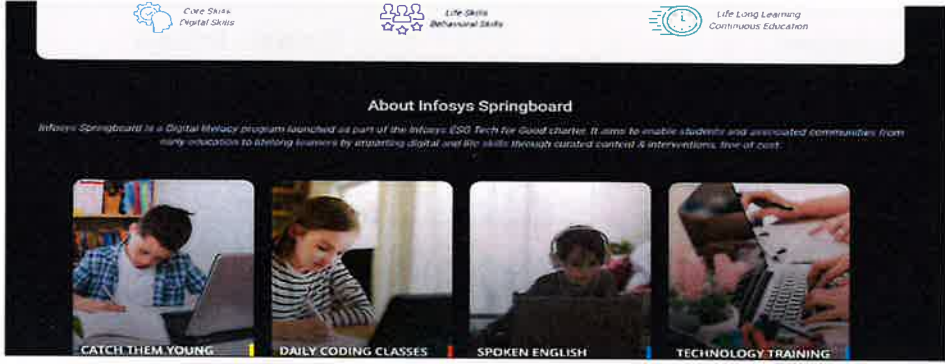
DIRECTORATE OF CR & CS



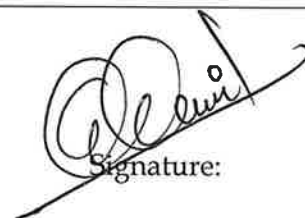
Event report format for Seminar / Workshops/Conferences/ Technical & Non - Technical Events

Title of the Event:	Campus Connect and Infosys Springboard - Virtual roadshow for Students				
Nature of the Event:	Webinar				
Date:	01-08-2022				
Time:	02:00 PM				
Host:	Directorate		Corporate Relations and Career Services		
Location:	Virtual - Infosys				
Number of attendees:	External *	Faculty	Ph D Scholar	PG	UG
					3574
Event Organiser Contact info:	CR & CS				
Subject Area:	All Skills				
Resource Person / Chief Guest:	Infosys Springboard				
Affiliation:					
Resource person profile: (in 50 - 100 words)	Infosys Springboard is a CSR Initiative by Infosys.				
Objective of the event: (in 100 words)	Infosys Springboard is a Digital literacy program launched as part of the Infosys ESG Tech for Good charter. It aims to enable students and associated communities from early education to lifelong learners by imparting digital and life skills through curated content & interventions, free of cost.				



<p>Outcome of the event: (in 100-150 words)</p>	<p>Infosys Springboard is an initiative by Infosys, a global technology consulting and services company, to provide education and skill development opportunities. However, specific outcomes may vary based on the individual's engagement and the courses pursued. Participants typically gain knowledge in areas like technology, data science, internship and design. Successful completion may enhance their employability and potentially open doors to opportunities within Infosys or the broader tech industry. Digital Literacy is the skills required to achieve digital competence and the confident and critical use of ICT for work, leisure, learning and communication.</p>
<p>Event Flyer/brochur</p>	
<p>Attendance Sheet:</p>	<p>NA</p>
<p>Recommended actions (If Any): (in 100 - 150 words)</p>	<p>While individual experiences may vary, considering Infosys Springboard requires assessing personal career goals and the relevance of the offered courses. Prospective participants should thoroughly research course content, reviews, and industry demand. Opt for programs aligned with current market needs, such as data science, AI, or software development. Evaluate the platform's credibility and support services. Additionally, explore alternative education options to ensure Springboard aligns with your learning preferences. Leverage the opportunity to build a strong network and seek guidance from alumni or mentors. Ultimately, the recommendation is to make an informed decision based on your career objectives and the program's effectiveness in meeting those goals.</p>
<p>Expenses incurred:</p>	<p>NA</p>
<p>Revenue Generated if Any:</p>	<p>NA</p>

Prepared By: Mr. Sunil G
Date: 05/08/2022


Signature:

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ఆంధ్ర ప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH 26 NOV 2021 CU 726414
 SI.No: 184A Dt: 26/11/2021, RS. 100
 Sold to: ch: Ram Suresh Sh. Kopala krishna ; vijayawada
 For Whom: S.R.M. TRUST AP
 G. MOHANA KRISHN
 Licensed Stamp Vendor
 L.No: 07-08-013/2019
 Nowluru, Mangalagiri.
 GUNTUR-522 503, Cell: 986672

RESEARCH AND DEVELOPMENT AGREEMENT

This Research and Development Agreement (hereinafter the "Agreement") is made and entered into on this 20th day of May 2022 at Mumbai between:

SUBODH PETHE, an Indian national, residing at 1100, Lodha Aristo, Majiwade, Thane-400601 (hereinafter referred to as "Subodh", which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include his heirs, executors and legal representatives);

WAMAN HARI PETHE & SONS (WHPS), company incorporated under the Companies Act, 1956, having its office at 110, Vikas Paradise, Bhakti Marg, Mulund (West), Mumbai-400080 (hereinafter referred to as "WHPS", which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its successors and assigns, and represented by its duly authorized representative, Subodh);

MP *MP* *ANR*

And

SRM UNIVERSITY-AP, ANDHRA PRADESH an University established under the Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016 through SRM Trust, having the registered office and address at at Neerukonda, Mangalagiri, – 522502, Guntur District, Andhra Pradesh (hereinafter referred to as the “**SRM-AP**”, which expression shall, unless repugnant to the context or meaning thereof, include its successors and permitted assigns and represented by its duly authorized representative.

Subodh, WHPS and SRM-AP are hereinafter collectively referred to as “Parties” and individually as “Party”.

WHEREAS WHPS is a leading Retailer and manufacturer of jewelry.

WHEREAS Subodh is the promoter of WHPS.

WHEREAS SRM-AP is one of the best premier research and development (R&D) institutions in India, and a center of excellence for higher learning, research and development, has highly trained scientific personnel and established facilities.

WHEREAS WHPS and SRM-AP have entered into collaborative R&D program, wherein SRM-AP agreed to conduct Metallurgical testing such as Compositional, Microstructural and phase analysis of Gold and Silver alloys in cast or wrought form supplied by WHPS. The essential heat treatments will be conducted for the gold and silver alloys. Mechanical property studies, wear and tarnish tests will be conducted and the correlated with the microstructural and phases of the gold and silver alloys.

WHEREAS now, the Parties are intending to enter into an engagement for consultancy work on testing, characterization and property evaluation and analysis of gold and silver alloys developed and patented by Subodh and thus the Parties have decided to enter into the present Agreement under the terms and conditions mutually agreed herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter set forth, for other good and valuable consideration, the sufficiency of which is acknowledged by the Parties, and in reliance of the representations and warranties included herein, the PARTIES agree as follows:







1. **DEFINITIONS:**

- 1.1 "AFFILIATE" shall mean with respect to a PARTY in this Agreement, to any corporation or other business entity, which controls, is controlled by, or under the common control with said PARTY;
- 1.2 "Agreement" means this Agreement and any written mutually agreed modifications thereto including all Schedules hereto, as may be modified subsequently;
- 1.3 "COLLABORATIVE RESEARCH" shall mean and include the research and development funded by WHPS in the field of metallurgy especially in the field of research and development of 22k hard gold alloy and performed by SRM-AP PERSONNEL, by themselves or jointly with WHPS PERSONNEL.
- 1.4 "Confidential Information" means information of a Disclosing Party which is of a confidential nature, and is disclosed to, created by, or obtained by Recipient or its employees or representatives, whether (without limitation) in graphic, written, electronic or machine readable form or oral, and whether or not the information is expressly stated to be confidential or marked as such, and includes, but is not limited to:
- 1.4.1 Information of value or significance to Disclosing Party (present or potential) such as:
- 1.4.1.1 Customer, Distribution, Manufacturing, Supplier or Business data, in particular, names, addresses, sales figures and sales conditions of Disclosing Party and its present or prospective clients;
- 1.4.1.2 Software data, particularly information relating to software products and the modules thereof as well as any devices designed by Disclosing Party to prevent unauthorized copying and use;
- 1.4.1.3 Research and development data, particularly information relating to the Background and Foreground IP used or created under this Agreement;
- 1.4.2 Original information supplied by Disclosing Party;
- 1.4.3 Any technical information relating to Disclosing Party, including but not limited to financial information, equipment, documentation, strategies, marketing plans, prospective leads or target accounts, pricing information, information relating to existing, previous and potential customers and contracts disclosed by Disclosing Party to the Recipient;
- 1.4.4 Information of third Parties which the Disclosing Party is obligated to keep confidential;

- 1.4.5 All information that is disclosed to the Recipient in accordance with the terms hereunder;
and
- 1.4.6 Any copies of the above-mentioned information.
- 1.4.7 However, Confidential Information does not include information that:
- 1.4.7.1 is or becomes in the public domain other than by the breach of this Agreement or of any other confidentiality obligation by Recipient or its employees or its representatives;
 - 1.4.7.2 was previously known by Recipient, as established by written records of Recipient, before receipt from the Disclosing Party; provided, however, that such information was not disclosed to Recipient by a Third Party (as defined below) breaching a duty of confidentiality on the part of such Third Party;
 - 1.4.7.3 was lawfully obtained by Recipient from a Third Party; and
 - 1.4.7.4 was developed independently by Recipient without use of or access to any Confidential Information;
- 1.5 "Disclosing Party" shall mean the Party to this Agreement disclosing the confidential information to the other Party to this Agreement;
- 1.6 "EFFECTIVE DATE" shall mean the date when the Parties execute this Agreement. ;
- 1.7 "Field of Research" shall mean the area of research which is in the field of metallurgy especially in relation to gold and silver alloy;
- 1.8 "Inventions" means inventions, products, designs, drawings, notes, documents, information, documentation, improvements, works of authorship, processes, business methods, techniques, know-how, algorithms, technical and business plans, specifications, hardware, circuits, computer languages, computer programs, algorithms, databases, user interfaces, encoding techniques, and other documents, materials and innovations of any kind, whether or not the foregoing are eligible for patent, copyright, mask work, trade secret, trademark, service mark or other legal protection;
- 1.9 "Intellectual Property" means all inventions, know-how, algorithms, technical and business plans, specifications, hardware, circuits, computer languages, computer programs, algorithms, databases, user interfaces, encoding techniques, mask works and other documents, materials and innovations of any kind, whether or not the foregoing are eligible

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for patent, copyright, mask work, trade secret, trademark, service mark or other legal protection;

- 1.10 "Intellectual Property Rights" includes all worldwide patents and other patent rights, utility models, trademarks, service marks, domain names, copyrights and mask work rights whether registered or unregistered, including, but not limited to moral rights and any similar rights in any country, whether negotiable or not, and also includes any applications for any of the foregoing and the right to apply for any of the foregoing in any part of the world;
- 1.11 "KNOW-HOW" means all secret, substantial and identified proprietary methods, devices, technology, trade secrets, inventions, compositions, designs, formulae, know-how, show-how, and documentation and other information, including processes and analytical methodologies used in development, testing, analysis and manufacture, as well as other scientific data;
- 1.12 "PERSONNEL" shall mean scientists and other personnel who are employees and/or representatives of the Parties and are part of the Collaborative Research under this Agreement;
- 1.13 "Third Party" means any person who is not a party to this Agreement.

2. INTERPRETATIONS:

- 2.1 In this Agreement, the headings are used for convenience and ease of reference and are not to be construed in the construction or interpretation of any provision of this Agreement;
- 2.2 In this Agreement, unless the context specifies otherwise, reference to the singular includes a reference to the plural and vice versa, and reference to any gender includes a reference to all other genders;
- 2.3 In this Agreement, unless the context specifies otherwise, references to the Recitals, Sections and Schedules shall be deemed to be a reference to the recitals, clauses and schedules of this Agreement;
- 2.4 References to any enactment are to be construed as referring also to any amendment or re-enactment (whether before or after this Agreement becomes effective); any previous enactment which such enactment has replaced (with or without amendment), and any regulation or order made under it.

2.5 Reference in this Agreement to any statute or regulation made using a commonly used abbreviation, shall be construed as a reference to the short title of the statute or full title of the regulation, as amended from time to time

3. SCOPE OF WORK:

This Agreement establishes a framework for Metallurgical Testing such as Chemical, Microstructural and phase analysis of Gold and Silver alloys in cast or wrought form supplied by WHPS. The essential heat treatments will also be conducted for the gold and silver alloys. Mechanical property evaluation, wear and tarnish tests will be conducted and correlated with the microstructural and phases of the gold and silver alloys. *The detailed proposed work is given in Annexure-I.*

4. DEVELOPMENT INTELLECTUAL PROPERTY AND USAGE RIGHTS:

4.1 Subodh and WHPS shall decide whether to file the patents and the jurisdictions. The expenses for the same shall be borne by them exclusively.

4.2 SRM-AP agrees that SRM-AP shall have no commercial rights in any Intellectual Property created under this Agreement during the tenure of the Agreement and thereafter in relation to the scope of the work as contemplated in the Agreement, and such commercial rights shall be owned by Subodh and/or WHPS depending on Subodh and WHPS. In the event of one of the researchers from SRM-AP being one of the inventors in the proposed patent application, SRM-AP shall assign all the commercial rights in the invention to Subodh and/or WHPS.

4.3 Only Subodh and/or WHPS shall have the rights to commercially exploit such Intellectual Property created under this Agreement.

4.4 It is agreed that SRM-AP have the right to publish the above research and take credit as SRM-AP as authors and co-authors.

5. CONFIDENTIALITY:

5.1 In order for the PARTIES to realize the full potential of the spirit of this Agreement it may be necessary for the Parties to disclose to each other proprietary information related to SRM-AP TECHNOLOGY KNOW-HOW and/or WHPS KNOW-HOW which is

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confidential and proprietary and is hereinafter referred to as CONFIDENTIAL INFORMATION. SRM-AP and WHPS agree that CONFIDENTIAL INFORMATION will be used by the receiving party only as provided for in this Agreement and the receiving party will:

5.1.1 hold any and all CONFIDENTIAL INFORMATION received pursuant to this Agreement in confidence, and not disclose such information to third parties without the written consent of the disclosing party,

5.1.2 limit the disclosure of CONFIDENTIAL INFORMATION to those scientists, employees and officers who need such access for purposes of this cooperative effort, and

5.1.3 not duplicate unnecessarily or use CONFIDENTIAL INFORMATION in any manner other than for the benefit of the COLLABORATIVE RESEARCH programme envisaged under this Agreement, except where mutually decided otherwise.

5.2 Neither WHPS or SRM-AP shall be subject to the restrictive obligations herein as to the use or disclosure of any information which can be shown by documentary evidence:

5.2.1 to have been in the possession of the receiving party prior to disclosure thereof by the disclosing party,

5.2.2 to be or to have become, through no fault on the part of the receiving party, part of the public knowledge or literature,

5.2.3 to have lawfully become available without limitation as to its disclosure from an outside source, or

5.2.4 to have been developed by personnel of the receiving party independently of any CONFIDENTIAL INFORMATION received from the disclosing party,

5.3 The obligations of confidentiality set forth above shall terminate 1 years upon expiry / termination of this Agreement.

6. **ACTIVITIES AND OBLIGATIONS OF WHPS:**

RESEARCH ACTIVITIES:

(a) WHPS shall support the testing and characterization by providing the Gold and Silver alloys developed by Subodh and/or WHPS.

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Subodh

(b) whereas SRM-AP will contribute by performing metallurgical and mechanical property testing and analysis of the gold and silver alloy supplied by WHPS. SRM will support by conducting, chemical analysis, heat treatment, microstructural analysis and mechanical property evaluation. SRM-AP will be using characterization equipment such as optical microscope and image analysis, Scanning Electron Microscope (SEM), Transmission Electron Microscope (TEM), X-ray Diffractometer (XRD) and ICP-OES, TG/DSC. Equipment such as Micro-Vickers Hardness testing and UTM will be used for mechanical property evaluation. SRM-AP will on analysis of the results and provides suggestion for improvement the performance of the gold and silver alloys of WHPS. SRM will also appoint a dedicated project associate to this project to conduct the experiments and characterization.

7. ACTIVITIES AND OBLIGATIONS OF SRM-AP

- (a) SRM-AP shall act as the host institution for the conduct of all research activities envisaged under this Agreement in a professional and agreed-upon manner.
- (b) SRM-AP shall have right to use the knowledge developed in the above research for education and research purpose only.

8. TERM AND TERMINATION

This Agreement shall come in to effect on the 1st day of June 2022 (“**Effective Date**”) and shall in remain in force for a period of one year till the 31st day of May 2023 (“**Term**”) unless terminated in accordance with the terms of this Agreement. This Agreement may be renewed at the sole discretion of the Parties in writing.

9. CONSIDERATION AND TERMS OF PAYMENT

refer Annexure II details the terms for the consideration under the Agreement.

10. GOVERNING LAW AND DISPUTE RESOLUTION:

- 10.1 The Parties shall attempt through mutual discussions to resolve any disputes, which may arise between them with regard to the activities envisaged under this Agreement. In case the disputes cannot be resolved through such discussions and negotiations, the Parties shall

submit these disputes to arbitration by a group consisting of the Pro-Vice Chancellor of SRM-AP, or his nominee who shall represent the interests of SRM-AP, and Subodh. If the dispute cannot be resolved by this group, the Pro-Vice Chancellor of SRM-AP or his nominee and Subodh, shall by mutual agreement nominate an arbitrator to be included in the group. Such authorized nominee as well as the arbitrator so nominated as mentioned aforesaid shall be an independent person not related to SRM-AP and / or WHPS. The arbitration of this enlarged group shall be binding and final on all PARTIES to this Agreement.

10.2 The provisions of Arbitration and Conciliation Act, 1996 and all the amends thereto are to be followed in the process of arbitration. The Parties are governed by the Indian Laws and the place and seat of arbitration shall be at a mutually agreed place.

11. FORCE MAJEURE:

Neither party shall be held responsible for non-fulfillment of their respective obligations under this agreement due to the exigency of one or more of the force majeure events such as, but not limited to, acts of God, war, flood, earthquakes, strike, lockouts, epidemics, riots, civil commotion, provided that on the occurrence and cessation of any such events, the party affected thereby shall give a notice in writing to the other Party within one month of such occurrence and cessation of any such events, the party affected thereby shall give a notice in writing to the other Party within one month of such occurrence or cessation. If the force majeure conditions continue beyond two months, the parties shall then mutually decide about the future course of action.

12. REPRESENTATIONS AND INDEMNITY

(a) SRM-AP represents that the materials, information or results used / created by SRM-AP under this Agreement shall not violate, misappropriate, or infringe any other third party's Intellectual Property Rights and SRM-AP undertakes to indemnify Subodh and WHPS against any loss, damage, claims demand, payment, fine, penalty, lawsuit, action, investigation, recovery, judgment, cost and expense of every nature and description (including court costs and reasonable attorneys' fees) ("Claims") brought

or recovered against Subodh and/or WHPS with respect to such Intellectual Property Rights.

(b) SRM-AP shall fully indemnify and hold Subodh and WHPS harmless against all Claims arising out of Subodh/WHPS's use, commercialization, or distribution of Intellectual Property or products that result in whole or in part from the projects

13. ASSIGNABILITY:

The rights under this Agreement shall not be assigned by SRM-AP to any other party without prior written consent of WHPS.

14. JURISDICTION:

The rules and regulations are construed and understood to be the laws of the Republic of India and the appropriate courts at a mutually agreed place (Mumbai).

15. ADDRESSES OF THE PARTIES AND COMMUNICATION:

All notices and other communications required or permitted under this Agreement shall be deemed to be properly given when given in writing and sent by registered post to the addresses mentioned herein below or at such other address as the receiving party may in writing designate from time to time for these purposes:

To SUBODH:

Mr. Subodh Pethe
1100, Lodha Aristo,
Majiwade,
Thane, 400601
Kind Attention: Subodh Pethe

To WHPS:

Waman Hari Pethe & Sons
110, Vikas Paradise,



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Bhakti Marg,
Mulund (West),
Mumbai- 400080
Kind Attention: Subodh Pethe

To SRM-AP:
SRM University-AP, Andhra Pradesh
Neerukonda, Mangalagiri,
Guntur District.
Andhra Pradesh – 522 502
Kind Attention: Pro Vice-Chancellor

16. MISCELLANEOUS PROVISIONS

- a. Entire Agreement and Amendment: This Agreement sets forth the complete agreement of the parties concerning the subject matter hereof. No claimed oral agreement in respect thereto shall be considered as any part hereof. No amendment or change in any of the terms hereof subsequent to the execution hereof shall have any force or effect unless agreed to in writing by duly authorized representatives of the parties. Additions, deletions and/or alterations to this Agreement may be effected with the written agreement of all the parties to this Agreement concerning the changes. Documents containing such additions, deletions and/or alterations and signed by all the parties shall form addendum to this Agreement, and be deemed to be part of the Agreement.
- b. Waiver: No waiver of any provision of this Agreement shall be effective unless executed in writing. No waiver shall be deemed to be, or shall constitute, a waiver of a breach of any other provision of this Agreement, whether or not similar, nor shall such waiver constitute a continuing waiver of such breach unless otherwise expressly provided in such waiver.
- c. Headings: The headings and subheadings in this Agreement are inserted for convenience of reference only and will not be used in interpreting or construing the provisions of this Agreement.







- d. Use of Name: Either Party shall not use the name, trademarks or logos of the other Party without that other Party's prior written consent. Any consent required may be given, withheld or made subject to conditions in the relevant Party's sole and unfettered discretion. If seeking consent under this clause, the Party must provide written details of the proposed use of the other Party's name, trademarks or corporate logos to the other Party.
- e. Severability: Each provision contained in this Agreement is declared to constitute a separate and distinct covenant and provision and to be severable from all other separate, distinct covenants and provisions. It is agreed that should any clause, condition or term, or any part thereof, contained in this Agreement be unenforceable or prohibited by law or by any present or future legislation then:
- (i) such clause, condition, term or part thereof, shall be amended, and is hereby amended, so as to be in compliance therewith the legislation or law;
 - (ii) if such clause, condition or term, or part thereof, cannot be amended so as to be in compliance with the legislation or law, then such clause, condition, term or part thereof shall be severed from this Agreement and all the rest of the clauses, terms and conditions or parts thereof contained in this Agreement shall remain unimpaired.
- f. For the purposes of this Agreement and all services to be provided hereunder, each Party shall be, and shall be deemed to be, an independent contractor and not an agent or employee of the other Party. Neither Party shall have authority to make any statements, representations nor make commitments of any kind, or to take any action, which shall be binding on the other Party, except as be explicitly provided for herein or authorized by the other Party in writing.
- g. This Agreement is executed in duplicate and one copy will remain with each of the Parties hereto and each such copy shall be deemed to be original.
- h. The terms of this Agreement are considered confidential and, except as required by law, shall not be disclosed to any party other than the three participating in this Agreement without the express written consent of the parties.
- i. The PARTIES hereto agree that upon reasonable request of any of the other parties, each such party shall execute and deliver such additional documents and agreements, and take



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such further actions, as may be necessary in order to fulfill and give effect to the terms of this Agreement.

- j. The respective rights and obligations of the Parties which by their nature would continue beyond the termination or expiration of this Agreement will survive termination or expiration of this Agreement.

Signed on this 20th day of May 2022 (20-05-2022) by all the PARTIES to this Agreement at Mumbai.

Subodh Pethe	SRM University-AP, Andhra Pradesh
<p>Subodh Pethe 1100, Lodha Aristo Maji-wade, Thane. 400601</p>	<p>Prof. D. Narayana Rao Pro Vice Chancellor SRM UNIVERSITY AP Amaravati, AP-522503</p>

Witnesses (Name & Address)

1. ~~Parab~~ [Santosh Parab]
Mumbai -

2. Sheela Singh
Dr. SHEELA SINGH
ASSOCIATE PROFESSOR
DEPT. OF MECHANICAL ENGINEERING
SRM UNIVERSITY - AP

For Waman Hari Pethe and Sons Mumbai
<p>Subodh Pethe 110, Vikas Paradise, LBS Road, Mulund. Mumbai 400080</p>

Witnesses (Name & Address)

1. Mr. Dhruv Paul
Mumbai

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no no

Subodh

Annexure- I

Scope of the Proposal, Deliverables

1. Scope of the work (as per the WHPS problem statement)

WHPS has its rights on two patents;

a- Hard Gold alloy with Zirconium, Titanium and Magnesium for Jewellery manufacture from 18 karats to 24 karats. This is with PCT application for 11 countries including US and EU whereby patent is granted in China and Hong kong and with all other countries almost in final stage of substantive examination

b- Silver alloy with improved mechanical properties from 90-99 % silver. PCT application process is executed with the same 11 countries.

Following are the research assignment with SRM University – AP, Andhra Pradesh

A- On Gold Alloy-

2. *Development of Age hardenable 22Karat gold alloys containing either Ti/Zr/ or the combination of it and/or with the quinary addition of platinum group metals.*

- **Assignment i-**

To explore Age Hardening mechanism on the above mentioned alloy on its specific range of alloying elements. *It's mainly for 22 Karat initially.* This is to impart hardness to the articles made out of alloy at final stage of manufacturing before polishing. This is with keeping other required characteristics of the manufactured article i.e. color, luster, appearance and so on.

- **Assignment ii-**

Incorporating platinum group metals with the above mentioned alloy for improvement in terms of it's mechanical characteristics.

- **Assignment iii-**

To achieve efficient investment casting process with the above mentioned alloy

2.1 Summary of the Proposed work.

As per the patent claims the alloying elements Zr, Ti or Mg can be varied from 0.01 to 1.5%. in 22Karat (after the main composition of Cu and Ag). The 22Karat gold containing and Cu and Ag

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as major alloying element has hardness about 86 to 90 HV (Vickers Hardness) in the as cast condition and in the cold-rolled condition the hardness increases to 115 to 120 HV. Increasing the hardness in the 22karat gold jewellery will give large benefits such as weight reduction, high bending and buckling strength and improved wear and scratch resistance and luster. In the present work we study the age hardenability (solutionizing and artificial aging) of the patented 22Karat gold alloy of WHPS containing Ti and Zr and Mg of range 0.01 to 1.5wt.%. The transition metal like Ti and Zr gives age hardening by forming nano scaled intermetallic after aging treatment due to their limited solubility at room temperature. In lab scale systematic studies on age hardening processes will be carried out to obtain maximum hardening (> 150 HV) in the gold at smaller addition of the elements Ti and Zr less than 0.5 wt.% at smaller peak aging time. The studies will also have carried out to retain the colour, luster and workability of the regular 22karat gold after the addition of Ti or Zr for age hardening.

Another part of the study is to addition of platinum group metals (PGMS) to gold alloy and testing its improvement in the mechanical properties. Platinum group materials such as platinum, palladium, Ruthenium, iridium are added to gold alloys to improve the strength by decreasing the microstructural grain size of high carat gold. The platinum group metals form solid solution and therefore cannot be added for age hardenability. However, their effect on the age hardening behavior of Ti/Zr in 22karat gold will be studied.

The age hardenable 22Karat gold containing Ti or Zr has a significant decrease in the fluidity due to the reactive elements additions. The decrease in fluidity may hamper the castability of the age hardenable 22Karat gold using investment casting techniques. The fluidity is although can be improved by the addition of Zinc, its effect on age hardenability needs as separate systematic study. On other hand the oxide or the oxide bi-films that forms due to the reactive elements such as Ti or Zr may affect the liquid feeding in the intricate cavities of the investment mould. A systematic study will be performed to address these issues.

2.2 Objectives

1. Age hardening of 22Karat gold (91.7 % pure) with the alloying element limit (given in the patent) ie, 0.01 to 1.5wt.% of Ti, Zr and Mg.

2. Optimization of the composition, of Zr, Ti or Mg to get better age hardenability in 22Karat. The age hardening be done both in castings as well as cold rolled sheets. The final hardness required is after age hardening of 22Karat gold (sheets and castings) is >150 Hv. Optimizing age hardening processes parameters (solutionizing, and artificial aging) such as temperature and time.
3. Annealing & and workability (cold rolling, wire drawing) studies of age hardenable 22Karat containing higher Zr or Ti. Optimizing annealing temperature and annealing time (intermittent) to obtain better workability in the age hardenable 22Karat gold.
4. The machinability, re-melting, refining and colour studies of the age hardenable 22Karat gold.
5. Platinum group metals such as Iridium, Platinum, palladium and Ruthenium will have tested for the effect in age hardenability of 22Karat gold containing Ti/Zr as the micro- quinary addition
6. Investment casting studies of age hardenable 22Karat gold and the age hardening treatment of investment casted samples.
7. Industrial scalability.

2.3 Methodology

Lab studies. – at the “Centre for pioneering studies in Gold and Silver”, SRM-AP

(a) Alloying:

- Quaternary alloying of Ti or Zr in 22Karat gold (0.3 to 0.5) by compensating Ag or Cu compositions.
- Optimizing melting parameters to obtain high yield in Castings – minimizing slag – and high quality Casting (surface finish and low porosity, zero slag entrapment etc.,)
- Investment casting of age hardenable 22Karat gold alloy - optimizing the melting parameter – fluidity, slag formation. More importantly studies on – alloying & mixing of Transition metals such as Ti and Zr in the 22Karat gold melt using bottom pouring furnace that works under ambient atmosphere. – investigating the requirement of master alloys
- Optimizing annealing and cold-rolling process parameters for the age hardenable 22Karat alloy.

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(b) Characterization:

- Chemical analysis – ICP-OES measurement to determine the actual concentration of Ti/Zr/Mg and fire assay method to determine the concentration of Au
- XRD & Microstructural studies - Optical microscopy/image analysis, scanning electron microscopy studies/EDX of the as cast samples.

(c) Age hardening Kinetics

The age hardenability of 22Karat (91.7% pure) can be increased by the addition of small amount of Ti or Zr. Magnesium cannot be used for age hardening Au due to its large solid solubility. Lowest addition about 0.4 to 0.5 wt.% can be varied by compensation with Cu or Ag. The Aging kinetics study can be performed for the both Zr and Ti or with the combination of Ti+Zr. The optimization of Ti/Zr or Ti+Zr concentration as minimum as possible to obtained age hardenability at shorter peak aging.

- TEM microscopic studies on the peak aged age hardened cast or sheet alloy to understand its age hardenability.
- Hardness measurement in Vickers scale (500g load) and Tensile testing (quasi-static) of the peak aged 22Karat gold.
- Colour measurement of peak aged age hardened 22Karat gold using CIE lab spectrophotometer and comparing with the existing 22karat gold.
- A DOE will be made at the starting of the experiment and will be executed

(d) Pilot scale studies at Industry

The PI will be involved in the following work which will carried out at Industry.

1. Large scale melting and casting. – particles 500g to 1 Kg of alloy preparation and testing alloying with Ti/Zr or Mg.
2. Annealing and cold – working. - Annealing for homogenization and cold-working such as wire drawing and sheet making
3. Karigari - Machine cutting, flame annealing, joining, other karigari works for making a jewellery piece.
4. Age hardening heat treatment – carried out after the product is made
5. Polishing/coloring and QA- polishing, coloring followed by QA testing.

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2.4 Deliverables

- The proposed project is intended to develop an age hardenable 22karat gold with the addition of Ti/Zr/Mg to obtain a hardness >150HV in the final product. The product is investment casted jewellery product or hand-made jewellery product. The elemental composition range are within the patented range of WHPS. as per the patented composition of need by WHPS.
- Investment casting of the age hardenable 22Karat gold in effective way similar to the regular one.
- The colour and workability of regular 22karat will be retained.
- Improvement in the tarnish resistance, corrosion resistance, scratch and wear resistance of the jewelry manufactured using age hardenable 22Karat.
- The process will be scalable at WHPS plant.

B- On Silver alloys

3. Development of Age hardenability in Silver alloys 92.5 and 97, 99% pure Silver and development of tarnish resistant silver alloys

Assignment i-

i- To establish age Hardening capability of the above mentioned alloy. It's mainly for 92.5, 97 and 99 % of Silver

Assignment ii-

ii- Scientific assessment of anti-tarnishing capability of the above mentioned alloy and its further improvement with process or by introducing other alloying metals.

3.1 Summary of the Proposed work.

(a) Age hardenability of Silver alloys

The age hardenability of Silver alloy will be studied in the similar way followed with 22Karat gold. The elements will be added as per the patent claims the alloying elements Zr, Ti or Mg can be varied from 0.01 to 1.5%. in Pure Silver and Silver alloys. However, the compositions are fixed based on the solubility limit of Ti/Zr/Mg with pure silver and alloy silver. Another important point is Zr, Ti and Mg elemental compatibility in tarnish resistance of the silver alloys to be studies.

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(b) Development of Tarnish Resistance Silver alloy and scientific study of anti-tarnishing capability of silver alloys

Tarnishing of silver is a surface discoloration (the lustrous surface turn into darkish dull shade of yellow, brown and even black) and mainly results from the formation of silver sulphide, Ag_2S , although other compounds have been recently identified. The process of tarnishing is triggered by its reaction with elements such as sulphur, moisture, oxygen and chlorides. Tarnish is considered as severe problem in jewelry industry. The electrical conductivity of silver diminishes due to tarnishing, since Ag_2S acts as insulator. Over the century, a large volume of research has been carried out on developing tarnish free fine silver (99.9wt.% pure) and Sterling silver (92.5 wt.% pure & remaining Cu and other elements). The main focusses were on alloying Ag with oxide forming elements (binary or ternary or multicomponent additions) which can form stable and continuous oxides over the surface of silver and prevent tarnishing. Other works are on conformal coatings of silver objects using polymers, metal oxides using CVD and PVD techniques. Alloying Ag with oxide forming elements is economical and industrially viable and have large benefits. Work on this direction has identified few oxide forming elements that would delay tarnishing without affecting the mechanical property and deformability of Ag. Example, the elements Germanium (Argentium Silver) and Indium, depending on many factors such as alloying element composition (that would lead to solid solution, intermetallic or intermediate phase) which affects the oxidation, thickness of the oxides that forms on the surface, its structure and its stability etc. In addition, the alloying elements must not affect the workability, colour and brilliance of Silver and Silver alloy. In our proposed work we aimed choose the right alloying element(s) (binary/ternary or multicomponent additions) which can produce stable oxides to develop tarnish resistance Ag alloy via thermodynamic calculation. In-depth phase transformation and microstructural investigation will be carried out to understand the mechanism of tarnish resistance in the developed silver alloy. The following are the main objectives of this proposal

3.2 Objectives

1. The standard free energy calculations of various elements on forming oxides or supplied based on thermodynamic data will be performed. The reaction kinetics study will be used to screen the stable oxide forming alloying elements.

2. Silver will be alloyed with the those oxide forming element(s) via open or inert induction melting. Two levels of Ag purity will be maintained 99.9wt.% and 92.5wt.% in the study. In parallel the free energy of oxide forming and sulphide forming elements will also be taken care for the suitable alloying elements for Ag. The alloyed samples were cold-worked, followed by passivation heat treatment. The corrosion and anti-tarnishing behavior of the alloy samples were studied using accelerated Tarnish test and anodic polarization test as a function of time. The luster of the samples will be measured using CIE lab spectrophotometer.
3. An in-depth phase and microstructure analysis will be carried out for the Ag alloys prepared to understand influence of phases and microstructure on the anti-tarnishing behavior. The characteristics (structure, stability, and thickness) of oxides formed due to passivation treatment on Ag alloy that prevents tarnishing will be studied using GI-XRD, XPS, μ -Raman spectrometry and Transmission Electron Microscopy.

3.3 Methodology

(a) The alloying elements will be selected based on the standard free energy calculations of oxides and sulphides using thermodynamic data. Standard free energy of silver oxide and silver sulphide are -11.2KJ/mol, and -40.2KJ/mol respectively. Standard free energy of the oxides of an alloying element should be much lesser than silver oxide and silver sulphide which means driving force for the formation of those elemental dioxide will be higher compared to other chemical compound. Therefore, those elements can form a protective oxide layers over the surface of the silver and prevent tarnishing.

(b) Experimental validation

(i) Alloying (melting and casting)

The oxide forming element (s) identified for alloying with silver for tarnish resistance through theoretical investigation will be used for melting with Silver in smaller quantities. In parallel, the oxide forming elements or sulphide forming elements (table2) are chosen on the basis of free energy, which must be less than the free energy of Ag_2S , AgO_2 , CuO and Cu_2O . The table 1 shows that silver oxide and silver sulphide is having very high free energy compared to most of the elemental oxides. Element which has low free energy (-ve) value will not react readily with

environment. In order to resist the formation of silver sulphide (product of tarnish), above mentioned oxide layers were formed on the surface of respective silver alloys.

Table 1. Standard free energy of oxide and sulphide forming compounds

Chemical substances	Free energy G (J/K/mol)	Chemical substances	Free energy G (J/K/mol)
Ag ₂ O	-11.2	Cr ₂ O ₃	-1058.1
Ag ₂ S	-40.7	In ₂ S ₃	-412.5
GeO ₂	-521.4	MnO	-362.9
Ga ₂ O ₃	-998.3		
BeO ₂	-582	ZnO	-320.5
In ₂ O ₃	-925.8	GeS	-71.5
Al ₂ O ₃	-1582.3	InS	-131.8

For alloying, silver (99.99%) will be melted about 10 to 25 g and the alloying elements selected from the above table will be added individually or through master alloy in appropriate composition. The alloying will be done with individual elements are by combination of one or three elements. The casting obtained will be homogenized at 600°C to 800°C for 1 hr in a tubular furnace under argon atmosphere followed by water quenching. The elemental composition will be measured using X-ray Fluorescence Spectrometer, XRF. The annealed castings will be cold-rolled to desire thickness. Intermittent annealing will be carried out to make the alloy soft. The hardness and the microstructure analysis will be carried out for both the as cast and cold-rolled Ag alloy.

(ii) Passivation heat treatment

Passivation heat treatment was carried out to achieve the oxide layer on the surface of the Ag alloy through diffusion of oxide forming elements as shown schematically in Fig.2a&b. The cold-rolled samples were polished and subjected to passivation heat treatment in ambient atmosphere at different temperatures using muffle furnace. Another set of alloys will be heat treated according to Wagner's theory under oxygen atmosphere at lower pressure (less than 1 atm) at same temperature as shown in Fig.3a&b

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The Ag alloy samples passivated in both air and oxygen atmosphere at different temperature and time will be characterized using Grazing Incidence X-ray Diffraction by the use of $\text{CuK}\alpha$ radiation to study the oxides formed at the surface of the sample. In GIXRD, a beam of incident X-rays from a source of x-ray tube has collimated beam of x-ray made to fall on the sample at low angle of incidence. X-rays having a fixed wavelength was made to incident on the passivated sample at an optimised glancing angle of 0.65° in order to achieve the optimal intensity of GIXRD signal. GIXRD will be performed from 5° to 90° at a scanning speed of $1^\circ/\text{min}$. After the measurement the data will be analysed using Xpert High Score Plus® software and compared with the Inorganic Crystal Structure Database (ICSD) Standard to determine the phases present at the surface of the sample.

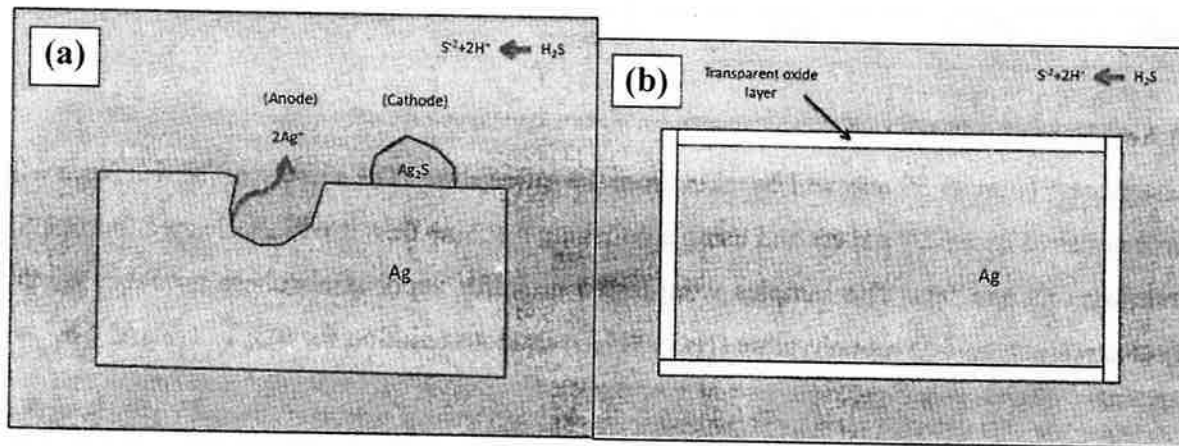


Fig.1 Schematic of (a) Ag₂S formation on the surface of silver and (b) transparent oxide layer developed during passivation treatment which protects from sulphide formation.

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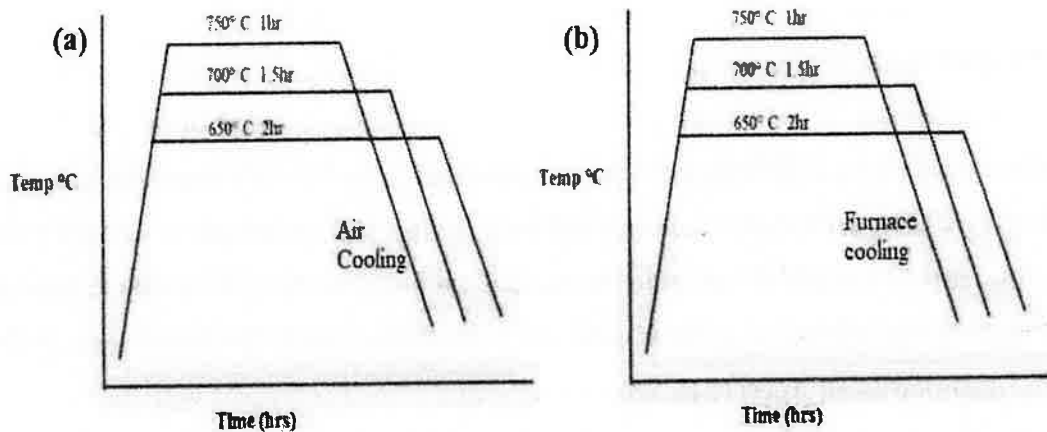


Fig.2 The passivation heat treatment cycle of the cold-rolled Ag alloy samples at various temperature as a function of time (a) under ambient atmosphere (b) under oxygen atmosphere

(iii) Accelerated tarnish test:

A test piece 30 mm by 30 mm will be taken from the rolled sheet. The surface of the test piece will mirror polished by emery papers and using a polishing machine then it will be cleaned thoroughly to remove oils and fats. The samples were tested in sulfur vapor atmosphere produced by the saturated sodium sulfide monohydrate ($\text{Na}_2\text{S}\cdot 9\text{H}_2\text{O}$) aqueous solution for 0.5, 1, 2, 3 and 4 h.

After performing tarnishing test for various time period in sulphur atmosphere, The CIE Lab spectrophotometry analysis will be done for all Ag alloy samples. It is defined by the Commission Internationale de l'Eclairage (CIE) and it is used to find out the lustre appearance and colour difference between the Ag alloy samples before and after tarnishing.

The L^* , a^* and b^* colour coordinates were modelled after a colour-opponent theory which states that two colours cannot be same at a time, for example red and green or yellow and blue appearance cannot be at the same time. In CIE Lab spectrophotometry, L^* indicates lightness, a^* is the red/green coordinate, and b^* is the yellow/blue coordinate. Deltas for L^* (ΔL^*), a^* (Δa^*) and b^* (Δb^*) may be positive (+) or negative (-). The total difference, Delta E (ΔE^*), however, is always positive. Total colour difference between all three coordinates can be determined using the following formula,

$$\Delta E^* = [\Delta L^{*2} + \Delta a^{*2} + \Delta b^{*2}]^{1/2}$$

These formulas calculate the difference between two colours to identify inconsistencies and help users control the colour of their products more effectively. Colour difference can be defined as the numerical comparison of a sample's colour to the standard. It indicates the differences in absolute colour coordinates and is referred to as Delta (ΔE). L^* value defines the lustre appearance, higher the value of L^* higher will be the reflectance.

This characterization is the most suitable method for finding out the lustrous value of silver and its alloys after tarnish test. Initially, the standard colour will be measured and then the sample colour values for each measurement will be noted. The colour differences between the sample and standard are calculated using the resulting colour values.

The anodic polarization corrosion experiments will be conducted for the passivation treated Ag alloy samples to understand its corrosion behaviour, which can be related to its tarnishing behaviour. The experimental step-up comprised a typical three-electrode system with CHI760E bi-potentiostat. A platinum (Pt) wire and Ag/ AgCl (saturated KCl) were used as counter and reference electrodes respectively. The anodic polarization curves will be recorded at a rate of 0.5 mV in aqueous 0.9 mass% NaCl (0.1554 M) and 1 mass% lactic acid (0.1121 M) solution at room temperature. The corrosion rate will be studied by keeping the specimens under aqueous NaCl and lactic acid solution for a period of 168 h (7 days) and linear sweep voltammogram (LSV) measurements were repeated.

(iv) Phase and microstructure analysis

The Ag alloys specimens in the as-cast and cold-rolled condition will be metallographically polished and etched by 50% H_2O_2 + 25% NH_4OH + 25% H_2O solution for phase investigation using X-ray diffraction and microstructure using optical microscopy and SEM-EDX. The main aim of these studies is to understand the influence of solid solution, second phase and intermetallic on the oxide layer formation, which can be correlated with the composition and the concentration

of the alloying elements added. dual phases or for investigating the as-cast & wrought microstructure.

(v) μ -Raman Spectrometry, XPS and TEM analysis of the oxides

The oxide layer formed after passivation treatment will be studied using μ -Raman Spectrometry, XPS and TEM analysis of the oxides. The oxides will be characterized for its structure, stability and thickness will be measured. Since, the thickness of the oxide plays an important role in preventing tarnishing of Ag, the passivation treatment time and temperature will be correlated with the thickness of the oxide layer which can be measured by TEM.

3.4 Deliverables

The research outcome will be a age hardenable pure silver and silver alloy having a novel tarnish resistant silver composition, which has high strength and higher tarnish resistant (No tarnish for at least two years) than that of presently available or commercially exploited.

4. About the Centre for Pioneering Studies in Gold and Silver, SRM-University - AP

The center for pioneering studies in gold and silver is dedicated research center aimed to study the metallurgy of gold and silver alloys. The center with the group of scientists of various disciplines such as physics, chemistry, Materials & Metallurgy & Manufacturing work extensively in the following areas

- Manufacturing solution to jewellery Manufacturing Industries,
- Develop novel processing techniques light weight and high strength Gold alloys
- Corrosion and Tarnish studies
- Surface engineering and coating techniques for jewelleryes for corrosion and tarnish protections
- Exploring application for gold leafs
- Jewelleryes in 24 Karat gold
- High tarnish resistance silver alloys
- Novel Color gold alloys.



- Structure - property correlation studies of gold and silver alloys.

The center and is one of its kind in our country which was built with the support of the Management of SRM- University – AP aiming to cultivate the research collaboration between academic Institute and industry. The center was inaugurated on 8th November 2021, by Dr. V. K. Sarawat, Hon'ble member Niti Ayog in the august presence of The President, Vice-Chancellor & Pro-Vice Chancellor of SRM University-AP.

The center is headed by Dr. G. S. Vinod-Kumar, Professor, Dept. of Mechanical Engineering. SRM University-AP has 6 and more years of experience in handling industry sponsored research projects particular in gold and silver alloys. Dr. Vinod Kumar has successfully completed flag ship projects and consultancy projects from Titan Company ltd, Hosur in Gold, Silver and Brass. He has expertise in handling gold and Silver at most care and can retain almost 100% which were scraped during the process.

5. Facilities available at the CENTRE

Process equipment

- Medium frequency Induction Melting furnace for gold and Silver
- Vacuum Arc Melting Facility
- Heat treatment furnaces and ovens– muffle and tubular furnaces
- Abrasive Cutting machine – Gold
- Metallographic Polishing machine – Gold & Silver
- Wet-chemical Lab
- Planetary Ball Mill

Characterization equipment

- Metallurgical Microscope and Image analyser, NIKKON
- Micro Vickers Hardness testing machine (10g to 2000g load), Shimadzu
- UTM with video extensometer - ADMAT
- Simultaneous thermal Analyser (STA) TG-DSc, SETARAM

ms ms

SVK

- Dilatometer – Fritsch -GmbH

Central Facilities of SRM-AP and SRMIST

- X-ray Diffractometer
- HRSEM/EDX microanalysis (SRMIST)
- HRTEM (SRMIST)
- Micro-Raman Spectrometry (SRMIST)

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SN 00

Annexure- II

A total cost of the project is Rs.17,00,000 (Rupees seventeen lakhs only) inclusive of applicable GST. WHP&S will in addition provide Gold and Silver for the experiments during the term of the agreement. WHPS shall pay for the project as per the project budget and payment milestone provided below

Budget Estimation & Payment milestone

Contribution	Item	Duration	Justification	Cost in Rs.	Payment milestone
Consultancy charges	Project investigator and the University	1 year	20% work time	10 lakhs (for the two projects)	-
Man Power	Project associate (1 No)	1 year	Full time Rs.25,000/month consolidated	3 lakhs	
Paid Services	ICP-OES measurements, (Facility outsourced) TEM & TEM sample preparation. CIE Lab spectrophotometry, micro-Raman Spectrometry (facilities which are available at SRMIST),	1 year	Compositional analysis, microstructural analysis, Colour measurement and Tarnish & oxides studies	1 lakh	-
Travel	-	1 year	Visit to WHPS for industrial trials and other place for characterization.	1 Lakh	-
Consumables	Alloying elements, melting and casting, heat treatment crucibles, metallographic consumable etc.	1 year		2 lakhs	-
Gold & Silver	To be provided by WHPS as may be required for the purposes of the project and shall be returned by Institute in its 'AS IS' state after every 3 months. (with permitted loss)				
	Total Project Cost				17,00,000





**SRM UNIVERSITY-AP**

Neerukonda, Mangalagiri Mandal Guntur Dist.,
Andhra Pradesh-522502.
GSTIN37AASTS4359N1ZD

Tax Invoice**Bill To**

Invoice No: SRMAP/005/2022-23

Date: 09-06-2022

WAMAN HARI PETHE SONS PRIVATE LIMITED
110, VIKAS PARADISE, LBS ROAD, MULUND WEST,
Mumbai City, Maharashtra-400080 .
GST NO-:27AAACW9453A1ZD

S.No	Product Description	HSN Code	Taxable Value	IGST		Total
				Rate	Amount	
1	Develop Novel Gold alloys	998145	8,50,000	18%	1,53,000	10,03,000
	Total		8,50,000		1,53,000	10,03,000
Total Amount Before Tax						8,50,000
Tax Amount IGST18%						1,53,000
Grand Total						10,03,000

Rupees In words: Ten Lakhs Three Thousand only.

Bank Account Details

Account Name:	SRM University AP Amaravati
Bank Name:	Indian Bank
Current A/c No:	6645559621
IFSC Code:	IDIB000S297
Branch :	SRM University Campus Branch

Receiver Signature

For SRM University AP



Authorised Signatory



MEMORANDUM OF UNDERSTANDING

Between

THE HEBREW UNIVERSITY OF JERUSALEM
and
SRM UNIVERSITY AP

This Memorandum of Understanding (the “MOU”) is made and executed by and between:

The Hebrew University of Jerusalem, hereinafter referred to as “**HUJI**”, a non-profit and duly accredited institution of higher education registered and located in the city of Jerusalem, Israel. herein represented its Vice President for International Affairs, **Prof. Oron Shagrir**.

-and-

SRM University hereinafter referred to as **SRM AP**, an educational institution organized and existing under the laws of India with principal office at SRM University -AP, located at Mangalagiri Neerukonda Tadikonda Rd, Mangalagiri, Mandal, Andhra Pradesh 522502, India herein represented by its Registrar, **Dr. R. Premkumar**

(Each referred to as the “**Party**” or collectively as the “**Parties**”)

-WITNESSETH: That-

WHEREAS, HUJI is a multidisciplinary institution of higher learning and research where intellectual pioneering, cutting-edge discovery and a passion for learning flourish. where excellence is emphasized; where advanced, postgraduate study and research are encouraged; and where special programs and conferences attract students and academics from around the world. The Hebrew University’s mission is to develop cutting-edge research, to educate future leaders in all walks of life, and to nurture future generations of outstanding scientists and scholars in all fields of learning.

WHEREAS SRM AP is a multi-stream research university with a focus on diverse fields. From Engineering to Sciences and Liberal Arts to Management, SRM University-AP's vision is to emerge as a world-class university that is globally connected, nationally relevant, and regionally transformative. It has an ambitious plan to be in the top world-class universities in ten years.

WHEREAS HUJI and **SRM AP** desire to collaborate in the exchange of faculty members and students, joint research projects; joint conferences; and joint cultural programs.



NOW, THEREFORE, for and in consideration of the foregoing premises and the mutual covenants and undertakings hereinafter set forth, the parties have agreed as follows:

I

1.1 This agreement covers the alliance between **HUJI** and **SRM AP** on the following activities:

- a) Exchange of faculty
- b) Exchange of students
- c) Joint research project
- d) Joint conferences
- e) Joint cultural program
- f) Short term courses

1.2 Parties may enter into subsequent agreements specifying the terms and conditions to implement the above-mentioned activities subject to mutual consent, availability of funds, and the approval of each party.

II

2.1 No modification or alteration of any part of this Agreement shall be considered as having been made unless executed in writing and duly signed by the parties hereof.

2.2 Neither of the parties shall be liable in any way for failure to observe or perform any provision hereof if such failure shall be caused by any laws, rule, or regulation of any constituted public authority or to any cause beyond the control of the party in default.

2.3 Any dispute or differences that may arise during implementation or the interpretation of the provisions of this Agreement shall be resolved by the parties through mutual consultations and in good faith.

2.4 Any intellectual property resulting from this Agreement or any subsequent agreement specifying the terms and conditions for the activities herein covered shall be subject to the IP policies of both **HUJI** and **SRM AP**. In case of conflict between the IP policies, parties shall endeavor to resolve the matter amicably.

2.5 This agreement shall be valid and in effect for a period of three (3) years, from 2022 to 2025, unless sooner terminated by either party with written notice of at least sixty days (60) prior to

intended date of termination without prejudice to activities or obligations already contracted prior to serving the notice of termination.

2.6 The parties may renew this Agreement under the same or modified terms and conditions, as may be agreed upon by the parties, by serving written notice of renewal upon the other party by at least thirty (30) days prior to the expiration of the original term hereof.

IN WITNESS HEREOF, the parties, through their respective representatives have signed this Agreement.

The Hebrew University of Jerusalem

SRM University, Andhra Pradesh


By:
Prof. Oron Shagrir

Vice President for International Affairs

Date: 22.02.2022


By:
Dr. R. Premkumar

Registrar

Date: 23-03-2022



Dear Students,

The Hebrew University of Jerusalem, Israel: Semester Abroad Program (SAP) Spring 2023 (January - May 2023)

We are delighted to invite students to apply for a semester abroad program at **The Hebrew University of Jerusalem, Israel** for Spring 2023 semester (January - May 2023).

The Hebrew University of Jerusalem, Israel	1 \$ ≈ 80 INR	
Costs	USD \$	Rs Lacs
Tuitions Fee (including International Student Services and for official university transcripts fee)	8,450	6.76
Living Expenses (including accommodation, food, health insurance books)	3000	2.40
Travel	1675	1.34
Others	2200	1.76
Net amount	15,325	12.26

The net cost would be close Rs 12 - 14 lacs which broadly includes the host university tuition fee, health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this email carefully and only apply if you fit the criteria and interested.

Eligibility Criteria (All mandatory):

1. **BBA** - Students pursuing BBA and are in their 2nd year.
2. **CGPA > 8**
3. No standing backlogs in the courses

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

Please submit your application through SRMAP Student Portal by no later than Thursday, 15 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmap.edu.in

For any technical support, please write to itkm.helpdesk@srmap.edu.in

The shortlisted candidates will be called for interviews in due course.

Semester Abroad Program (SAP) - Spring 2024

“Make your January to June Semester International”.

Israel

*Last date to Apply (SRM AP Student Portal) – **September 23, 2023**

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accomo.)	Total Cost (Approx)
1	The Hebrew University of Jerusalem	222	2022	4	Bachelor of Business Administration		8	6,80,000	4,50,000	12,00,000
2	Holon Institute of Technology		2022	4	Bachelor of Science	Computer Science	8.5	Waived Off	4,00,000	4,00,000
			2022	4	B.Tech	Electrical and Electronics Engineering	8.5			

*Student applying to SAP should have **NO** existing backlog.

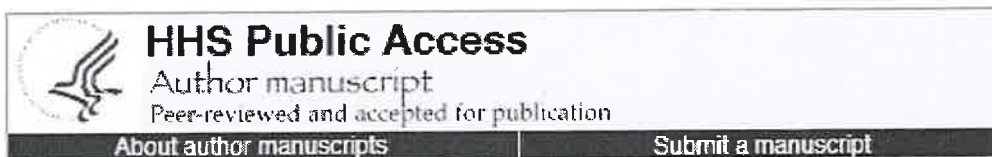
*Please submit your application through SRMAP Student Portal by no later than Saturday, 23 September 2023. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.

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[J Biol Rhythms](#). 2023 Oct; 38(5): 447–460.

PMID: [37515350](#)

Published online 2023 Jul 28. doi: [10.1177/07487304231188761](#)

Roles for the *Synechococcus elongatus* RNA binding protein Rbp2 in regulating the circadian clock

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^dDepartment of Microbiology and Molecular Genetics, IMRIC, The Hebrew University Faculty of Medicine, Jerusalem 91120, Israel

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Abstract

The cyanobacterial circadian oscillator, consisting of KaiA, KaiB and KaiC proteins, drives global rhythms of gene expression and compaction of the chromosome, and regulates the timing of cell division and natural transformation. While the KaiABC posttranslational oscillator can be reconstituted *in vitro*, the Kai-based oscillator is subject to several layers of regulation *in vivo*. Specifically, the oscillator proteins undergo changes in their subcellular localization patterns, where KaiA and KaiC are diffuse throughout the cell during the day and localized as a focus at or near the pole of the cell at night. Here we report that the CI domain of KaiC, when in a hexameric state, is sufficient to target KaiC to the pole. Moreover, increased ATPase activity of KaiC correlates with enhanced





Sparse reconstruction for integral Fourier holography using dictionary learning method

Lakshmi Kuruguntla¹ · Vineela Chandra Dodda¹ · Min Wan² · Karthikeyan Elumalai¹ · Sunil Chinnadurai¹ · Inbarasan Muniraj¹ · John T. Sheridan²

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Abstract

A simplified (i.e., single shot) method is demonstrated to generate a Fourier hologram from multiple two-dimensional (2D) perspective images (PIs) under low light level imaging conditions. It was shown that the orthographic projection images (OPIs) can be synthesized using PIs and then, following incorporation of corresponding phase values, a digital hologram can be generated. In this work, a fast dictionary learning (DL) technique, known as Sequential Generalised K-means (SGK) algorithm, is used to perform Integral Fourier hologram reconstruction from fewer samples. The SGK method transforms the generated Fourier hologram into its sparse form, which represented it with a linear combination of some basis functions, also known as atoms. These atoms are arranged in the form of a matrix called a dictionary. In this work, the dictionary is updated using an arithmetic average method while the Orthogonal Matching Pursuit algorithm is opted to update the sparse coefficients. It is shown that the proposed DL method provides good hologram quality, (in terms of peak signal-to-noise ratio) even for cases of ~90% sparsity.

1 Introduction

Since its initial inception, optical holography has gained wide acceptance as a reliable means of reconstructing a field's phase information from intensity-based images, i.e., holograms [1–4]. Holography has been usefully applied in biomedical imaging [3], cryptography [4], data storage [5, 6], and entertainment [7]. The classical holographic technique can be broadly classified under two general headings depending on type of recording process employed. Type (i), Optical Holography [8] involves the use of coherent light sources, e.g., Lasers, or lower coherence sources, e.g., LEDs, and optical components such as lenses, mirrors, and typically involves free space propagation. The implementation

and stability of such physical systems can be challenging, furthermore the use of coherent sources results in speckle (multiplicative noise) which can significantly degrade the hologram quality. Type (ii), Computer Generated Hologram (CGH) are synthesized using digital computers [7]. They therefore typically are less physically constrained than optically recorded holograms. Nevertheless, the full three-dimensional (3D) information of objects is needed to synthesise the holograms, and this may not be viable for all scenarios.

Methods to generate holograms under spatially incoherent light illumination have been reported [9–11]. In a previous work, we demonstrated a single-shot imaging method for generating (Fourier) holograms from multiple perspective 2D images, known as Elemental Images (EIs) [12]. In that work, it was also shown that hologram generation is possible even under low light level (i.e., photon counting) illumination conditions. This approach does not require the complex optics, optoelectronics alignment, access to coherent light source, and controlled laboratory environment of the more traditional holographic system. However as indicated, to generate such holograms, a large number of EIs have to be processed, making this technique computationally expensive.

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² School of Electrical and Electronic Engineering, College of Architecture and Engineering, University College Dublin, Belfield Dublin 4, Ireland

MEMORANDUM OF AGREEMENT

STUDY ABROAD

BETWEEN

**UNIVERSITY COLLEGE DUBLIN,
NATIONAL UNIVERSITY OF IRELAND, DUBLIN**

AND

SRM UNIVERSITY, AP

1. Definitions

In this agreement unless the context implies otherwise: 'UCD' shall mean 'University College Dublin, National University of Ireland, Dublin,' 'study abroad programmes' shall mean UCD programmes that admit one-way students from SRM University AP studying at University College Dublin for one trimester or academic year on a fee-paying basis.

2. Status of Study Abroad Students

UCD shall accept incoming study abroad students on a full-time basis as visiting non-degree students (i.e., students who do not aim to obtain a degree or other formal qualification from UCD). All study abroad students attending UCD shall be subject to the same academic and disciplinary regulations and policies as pertain to other UCD students. They will also enjoy the same rights, privileges, and access to facilities as other UCD students.

3. Eligibility

Undergraduate students participating in UCD study abroad programmes will normally have completed at least one year, but preferably two years, of undergraduate study at the home institution prior to the study abroad period.

Students must hold a G.P.A. of 3.00 or higher to qualify for UCD's Study Abroad programmes. Additionally, students must meet UCD's English Language requirement of IELTS average score of 6.5 overall components and a minimum of 6.0 in each band on the Academic Version. SRM University AP will screen study abroad applicants in accordance with its own regulations and UCD's entry standards. SRM University AP will confirm in writing to UCD that students applying for study abroad programmes meet UCD's entry requirements. UCD reserves the right to make a final judgement on the admission of students nominated for the study abroad programmes.

4. Study Programme

Each study abroad student shall determine their choice of modules at UCD in consultation with academic advisers of both the SRM University AP and UCD. Upon completion of the trimester or year at UCD, the study abroad student must return to the SRM University AP unless an extension of stay has been approved by both parties.

5. Academic Record and Accreditation

UCD shall evaluate the academic performance of each study abroad student according to the rules that pertain to UCD students and shall send the SRM University AP the academic record/transcript of each study abroad student via secure email. The home institution may give credit to each student according to its regulations.

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6. Responsibilities of UCD

UCD will agree to enrol study abroad students as full time, non-degree students for one trimester or for a full academic year.

UCD will provide the following support to study abroad students:

- Accommodation: When possible, UCD will place study abroad students in on-campus housing. When on-campus housing is not available, or when study abroad students express a preference for off-campus housing, UCD will, when possible, offer assistance in locating off-campus housing.
- Pre-departure information will be emailed to study abroad students before scheduled arrival at UCD.
- On-site orientation covering the full range of UCD academic and non-academic services and facilities in addition to local and cultural information.
- Provision of the cultural programme of activities throughout the study abroad programme.

7. Responsibilities of SRM University AP

SRM University AP will screen and nominate applicants to the UCD study abroad programmes and ensure that the students meet the eligibility criteria. The home SRM AP will put UCD on notice of and bring any health or disciplinary concerns relating to any study abroad student, to the attention of UCD prior to the study period.

8. Responsibilities of Study Abroad Students

Study Abroad students will be responsible for:

- complying with any registration and/or visa requirements of the Irish Immigration Bureau
- applying for and obtaining appropriate health insurance before travelling to Ireland.
- complying with the same academic and disciplinary regulations as other students attending UCD, in addition to adhering to the home institution's standards of conduct. UCD Student Code and Policies are available at www.ucd.ie/stu_codeandpolicy.htm, as amended from time to time.

9. Finances

Programme Fees

SRM University AP students will be responsible for payment of their study abroad students programme tuition fees directly to the UCD Fees Office. Tuition fees must be paid in full prior to arrival at UCD.



On-campus Accommodation Fees

SRM University AP students will be responsible for payment of their deposit and all accommodation fees directly to UCD Residences.

Off-campus accommodation Fees

Off-campus accommodation is not managed by UCD. Fee payment is arranged by the study abroad student directly with the private off-campus housing provider.

10. Intellectual property

Ownership of intellectual property created by study abroad students as part of their enrolment at UCD will be governed by the UCD policy on ownership of intellectual property.

11. Data Protection

Each party agrees to comply with all data protection laws applicable to such party, including, without limitation, Regulation (EU) 2016/679, known as the General Data Protection Regulation ("GDPR"), and the Data Protection Act 2018 (collectively, "Data Protection Laws"). Unless otherwise defined in this Agreement, all capitalized terms used in this Section 11 have the meanings set forth in the GDPR.

To the extent the Data Protection Laws are applicable to the activities conducted under this Agreement, the parties agree as follows:

- 11.1 Each party is acting as a Controller with respect to its respective Processing of Personal Data. The parties are not joint Controllers. Where one party does specific Data processing for the other, that Data Processor shall comply with the model data processor clauses published on the UCD website.
- 11.2 If a complaint or request from a data subject exercising any of their rights under Data Protection Legislation is received by a party that party shall be responsible for responding to it.
- 11.3 If a personal data breach occurs, the party that caused the breach shall be responsible for responding to it under Data Protection Legislation and may notify the other party at its discretion.
- 11.4 Data shared shall be used (including incorporated into its own systems) by the Data Recipient promptly.
- 11.5 Where Data shared is incorporated by the Data Recipient into its own systems, the security, breach handling, retention, sharing and transfer of the Data shall be governed by the Data Recipient's privacy notices, policies and arrangements.
- 11.6 With respect to Personal Data of SRM University AP Study Abroad students transferred by UCD to SRM University AP the basis for transfer shall be that the transfer is necessary for the performance of a contract between SRM University AP and the student, or a contract concluded in



A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke at the end.

the interest of the student, unless the parties agree that another Article 49 derogation is applicable in a specific circumstance.

11.7 Data to be shared shall be identified by completion of the form set out in the Schedule.

12. Indemnity

Each party, to the extent allowed by applicable law, agrees to indemnify the other party against all expenses, losses, damages, costs, claims, suits and proceedings sustained or incurred by the other party as a direct or indirect result of a breach of this agreement by, or the negligence of SRM University AP or any act or omission of any of SRM University AP who attends UCD as a study abroad student.

13. Resolution of Disputes

Any dispute arising out of or in connection with this agreement that cannot be resolved between the study abroad coordinators or other designated representatives shall be finally resolved by the President of UCD and SRM University AP or their respective nominees.

14. No agency

Nothing in this agreement gives rise to a relationship of agency between the parties.

15. Terms of renewal, amendment, and termination

This agreement shall remain in force for a period of three (3) years from the date of the last signature, with the understanding that it may be terminated by either party giving twelve months' notice to the other party in writing. An event of termination will not affect the operation of this agreement as it applies to participants undertaking activities at the host institution at the effective date of termination.

This agreement may only be renewed if, after a review process between the parties, the parties agree in writing to renew it. This agreement may be amended by the exchange of letters between the two parties. Such amendments, once approved by the parties, will become part of this agreement.




Signed for and on behalf of:

University College Dublin,

**National University of Ireland,
Dublin**

By its duly authorised officer



Professor Mark Rogers

Registrar and Deputy President

22.02.2022

Date

Signed for and on behalf of:

SRM University, AP, India

by its duly authorised officer



Dr. R. Premkumar

Registrar



07.02.2022

Date

SCHEDULE 1 – Data to be shared

UNIVERSITY AND OTHER PARTY CONTACT DETAILS [name, telephone number, email]

University College Dublin	SRM University, AP, India
UCD Global, University College Dublin, Belfield, Dublin 4, Ireland. Tel: +353 1 716 8500, international@ucd.ie	The Office of International Relations and Higher Studies Cabin-6, Block-B, SRM University AP, Amravati, India Tel: +91-9871018881 ir.office@srmap.edu.in , Assocdirector.ir@srmap.edu.in

- UCD Global, University College Dublin, Belfield, Dublin 4, Ireland.

Tel: +353 1 716 8500, international@ucd.ie

- The Office of International relations and Higher Studies, SRM University AP, Cabin-6, Block-B, SRM University AP, Amravati, India

Tel: +91-9871018881, ir.office@srmap.edu.in, Assocdirector.ir@srmap.edu.in

“PURPOSE(S)” [include link(s) to the relevant privacy notice(s)/data protection statement(s), and/or information about further sharing, transfers, retention/deletion and security as appropriate]:

To facilitate and enable one-way student exchange for the purpose of a study abroad program:



DATA CATEGORIES [tick all that apply]

Contact details ✓

Lifestyle and social circumstances

Education information ✓

Employment information ✓

financial information ✓

Visual images

Research data

Other (specify...)

Special category personal data (specify:)

TYPES OF DATA SUBJECTS [tick all that apply]

Students and applicants (including prospective applicants) ✓

Staff and applicants

Alumni and supporters

nm



Dear Students,

University College of Dublin, Ireland: Semester/Trimester Abroad Program (SAP) Spring 2023 (January - May 2023)

We are delighted to invite students to apply for a Trimester abroad at **University College of Dublin, Ireland** for Spring 2023 Trimester (January - May 2023).

University College of Dublin, Ireland	1 € ≈ 81 INR	
Costs	Euros €	INR Rs
Tuitions Fee (this is maximum and could reduce depending on credits)	8400	6.80
Living Expenses	5000	4.05
Travel	2500	2.02
Others (Activity fee, Student Service fee, New Student fee, course fee, health insurance)	618	.50
Net amount	16518	13.38

The net cost would be close Rs 13 - 15 lacs which broadly includes the host university tuition fee, health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this email carefully and only apply if you fit the criteria and interested.

Eligibility Criteria (All mandatory):

- B.Tech.** - Students who are in the branch (Civil Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering) currently in their 3rd year.

BBA - Students who are currently in their 2nd year.

B.Sc.- Students who are in the branch (Physics, Chemistry, Mathematics, Biology, Computer Science, Environmental Science) currently in their 2nd year.

B.A. - Students who are in the branch (English, Psychology) currently in their 2nd year.

B.Com. - Students who are currently in their 2nd year.
- CGPA > 8.5
- No standing backlogs in the courses

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

Please submit your application through SRMAP Student Portal by no later than Monday, 5 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmap.edu.in

For any technical support, please write to itkm.helpdesk@srmap.edu.in

The shortlisted candidates will be called for interviews in due course.

Semester Abroad Program (SAP) - Spring 2024

"Make your January to June Semester International".

Ireland

*Last date to Apply (SRM AP Student Portal) – September 23, 2023

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accomo.)	Total Cost (Approx)
1	University College Dublin	181	2021	6	B.Tech.	Civil Engineering	8.5	6,80,000	6,00,000	13,00,000
			2021	6	B.Tech.	Electrical and Electronics Engineering	8.5			
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Electrical and Communication Engineering	8.5			
			2022	4	Bachelor of Business Administration (BBA)		8.5			
			2022	4	Bachelor of Science	Physics/Chemistry/ Maths/ Biology/ Environmental Science	8.5			
			2022	4	Bachelor of Science	Computer Science	8.5			
			2022	4	Bachelor of Arts	English / Psychology	8.5			
x										
2	University College Cork	303	2021	6	B.Tech.	Civil Engineering	8.5	5,70,000	6,00,000	12,00,000
			2021	6	B.Tech.	Electrical and Electronics Engineering	8.5			
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2022	4	Bachelor of Science	Physics / Computer Science	8.5			

Semester Abroad Program (SAP) - Spring 2024



	2022	4	Bachelor of Arts	English	8.5
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*Student applying to SAP should have **NO** existing backlog.


*Please submit your application through SRMAP Student Portal by no later than Saturday, 23 September 2023. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.

Communication

A Deep Learning Framework to Remove the Off-Focused Voxels from the 3D Photons Starved Depth Images

Suchit Patel ^{1,2,†}, Vineela Chandra Dodda ^{1,†}, John T. Sheridan ³ and Inbarasan Muniraj ^{1,4,*} 

- ¹ Department of Electronics and Communication Engineering, School of Engineering and Science, SRM University AP, Amaravathi 522240, India; suchit.patel@poornima.org (S.P.); vineelachandra_dodda@srmmap.edu.in (V.C.D.)
 - ² Department of Computer Engineering, Poornima College of Engineering, Jaipur 302022, India
 - ³ School of Electrical and Electronic Engineering, College of Architecture and Engineering, University College Dublin, D4 Belfield, Ireland
 - ⁴ LiFE Laboratory, Department of Electronics and Communication Engineering, Alliance College of Engineering and Design, Alliance University, Bengaluru 562106, India
- * Correspondence: inbarasan.muniraj@alliance.edu.in
† These authors contributed equally to this work.

Abstract: Photons Counted Integral Imaging (PCII) reconstructs 3D scenes with both focused and off-focused voxels. The off-focused portions do not contain or convey any visually valuable information and are therefore redundant. In this work, for the first time, we developed a six-ensembled Deep Neural Network (DNN) to identify and remove the off-focused voxels from both the conventional computational integral imaging and PCII techniques. As a preprocessing step, we used the standard Otsu thresholding technique to remove the obvious and unwanted background. We then used the preprocessed data to train the proposed six ensembled DNNs. The results demonstrate that the proposed methodology can efficiently discard the off-focused points and reconstruct a focused-only 3D scene with an accuracy of 98.57%.

Keywords: photons counting imaging; deep learning; off-focused removal; dense neural network; 3D reconstruction



check for updates

Citation: Patel, S.; Dodda, V.C.; Sheridan, J.T.; Muniraj, I. A Deep Learning Framework to Remove the Off-Focused Voxels from the 3D Photons Starved Depth Images. *Photonics* **2023**, *10*, 583. <https://doi.org/10.3390/photonics10050583>

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1. Introduction

Integral Imaging (II) is an optoelectronic-based three-dimensional (3D) imaging technique that captures a 3D object and reconstructs several 3D sectional (or depth) images at good resolution, in real time. As a first step, this method records two-dimensional (2D) images, often known as Elemental Images (EIs), either by employing a lenslet array (for the single shot) or by mechanically moving the camera (for multiple shots) [1–4]. The corresponding single-shot approach is relatively faster but often suffers from poor spatial resolution. To alleviate this, several studies have been proposed to enhance the reconstructed image quality [5,6]. Alternatively, multiple shot imaging, also known as the computational integral imaging (CII) method, provides good resolution but increases the computational burden, as multiple high-quality two-dimensional (2D) images have to be captured and processed [7,8]. Nevertheless, owing to the simplified nature of the image capturing and reconstruction processes, II has gained wide attention among researchers from several scientific areas such as biomedical imaging, remote sensing, autonomous driving, 3D displays, and televisions, to name a few [4].

For several biomedical applications, imaging the samples with an external higher-intensity light source is not optimal, as the light intensity may damage the tissues. In such applications, imaging and reconstructing 3D scenes using lower-intensity light becomes necessary [9]. Several studies have been conducted to demonstrate the feasibility of single or few photons imaging experimentally [10] and computationally [11]. Such approaches have also been combined with CII for 3D imaging, which is known as Photons Counted

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Sparse reconstruction for integral Fourier holography using dictionary learning method

Kuruguntla, Lakshmi^a; Dodda, Vineela Chandra^a; Wan, Min^b; Elumalai, Karthikeyan^a;

Chinnadurai, Sunil^a; Muniraj, Inbarasan^a ✉; Sheridan, John T.^b ✉

Save all to author list

^a Department of Electronics and Communication Engineering, School of Engineering and Applied Sciences, SRM University-AP, Andhra Pradesh, Neerukonda, 522240, India

^b School of Electrical and Electronic Engineering, College of Architecture and Engineering, University College Dublin, Belfield, Dublin 4, Ireland

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A simplified (i.e., single shot) method is demonstrated to generate a Fourier hologram from multiple two-dimensional (2D) perspective images (PIs) under low light level imaging conditions. It was shown that the orthographic projection images (OPIs) can be synthesized using PIs and then, following incorporation of corresponding phase values, a digital hologram can be generated. In this work, a fast dictionary learning (DL) technique, known as Sequential Generalised K-means (SGK) algorithm, is used to perform Integral Fourier hologram reconstruction from fewer samples. The SGK method transforms the generated Fourier hologram into its sparse form, which represented it with a linear combination of some basis functions, also known as atoms. These atoms are arranged in the form of a matrix called a dictionary. In this work, the dictionary is updated using an arithmetic average method while the Orthogonal Matching Pursuit algorithm is opted to update the sparse coefficients. It is shown that the proposed DL method provides good hologram quality, (in terms of peak signal-to-noise ratio) even for

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Wan, M., Muniraj, I., Chen, N. (2018) *Proceedings of SPIE - The International Society for Optical Engineering*

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A Deep Learning Framework to Remove the Off-Focused Voxels from the 3D Photons Starved Depth Images

Patel, Suchit^{a, b} ✉ ; Dodda, Vineela Chandra^a ✉ ; Sheridan, John T.^c ; Muniraj, Inbarasan^{a, d} ✉
Save all to author list

^a Department of Electronics and Communication Engineering, School of Engineering and Science, SRM University AP, Amaravathi, 522240, India

^b Department of Computer Engineering, Poornima College of Engineering, Jaipur, 302022, India

^c School of Electrical and Electronic Engineering, College of Architecture and Engineering, University College Dublin, Belfield, D4, Ireland

^d LiFE Laboratory, Department of Electronics and Communication Engineering, Alliance College of Engineering and Design, Alliance University, Bengaluru, 562106, India

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Abstract

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Abstract

Photons Counted Integral Imaging (PCII) reconstructs 3D scenes with both focused and off-focused voxels. The off-focused portions do not contain or convey any visually valuable information and are therefore redundant. In this work, for the first time, we developed a six-ensembled Deep Neural Network (DNN) to identify and remove the off-focused voxels from both the conventional computational integral imaging and PCII techniques. As a preprocessing step, we used the standard Otsu thresholding technique to remove the obvious and unwanted background. We then used the

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A denoising framework for 3D and 2D imaging techniques based on photon detection statistics

Dodda, Vineela Chandra^a; Kuruguntla, Lakshmi^a; Elumalai, Karthikeyan^a; Chinnadurai, Sunil^a;

Sheridan, John T^b; Muniraj, Inbarasan^{a, c} ✉

Save all to author list

^a Department of Electronics and Communication Engineering, School of Engineering and Applied Sciences, SRM University AP, Andhra Pradesh, Mangalagiri, 522240, India

^b School of Electrical and Electronic Engineering, College of Architecture and Engineering, University College Dublin, Dublin 4, Belfield, Ireland

^c LiFE Laboratory, Department of Electronics and Communication Engineering, Alliance College of Engineering and Design, Alliance University, Karnataka, Bengaluru, 562106, India

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Abstract

A method to capture three-dimensional (3D) objects image data under extremely low light level conditions, also known as Photon Counting Imaging (PCI), was reported. It is demonstrated that by combining a PCI system with computational integral imaging algorithms, a 3D scene reconstruction and recognition is possible. The resulting reconstructed 3D images often look degraded (due to the limited number of photons detected in a scene) and they, therefore, require the application of superior image restoration techniques to improve object recognition. Recently, Deep Learning (DL) frameworks

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Patel, S. , Dodda, V.C. , Sheridan, J.T. (2023) *Photonics*

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OPEN A denoising framework for 3D and 2D imaging techniques based on photon detection statistics

Vineela Chandra Dodda^{1,4}, Lakshmi Kuruguntla^{1,4}, Karthikeyan Elumalai¹, Sunil Chinnadurai¹, John T Sheridan² & Inbarasan Muniraj^{1,3}✉

A method to capture three-dimensional (3D) objects image data under extremely low light level conditions, also known as Photon Counting Imaging (PCI), was reported. It is demonstrated that by combining a PCI system with computational integral imaging algorithms, a 3D scene reconstruction and recognition is possible. The resulting reconstructed 3D images often look degraded (due to the limited number of photons detected in a scene) and they, therefore, require the application of superior image restoration techniques to improve object recognition. Recently, Deep Learning (DL) frameworks have been shown to perform well when used for denoising processes. In this paper, for the first time, a fully unsupervised network (i.e., U-Net) is proposed to denoise the photon counted 3D sectional images. In conjunction with classical U-Net architecture, a skip block is used to extract meaningful patterns from the photons counted 3D images. The encoder and decoder blocks in the U-Net are connected with skip blocks in a symmetric manner. It is demonstrated that the proposed DL network performs better, in terms of peak signal-to-noise ratio, in comparison with the classical TV denoising algorithm.

Auto stereoscopic (i.e., glasses-free) 3D imaging and display techniques have numerous applications in numerous research fields e.g., biomedical, remote sensing, manufacturing, autonomous driving, and augmented reality (AR), to name a few^{1–3}. Integral Imaging (II) is one of the techniques that captures a 3D object under incoherent light source and displays a reconstructed 3D scene which can be viewed without the use of special eye wear i.e., 3D glasses^{4,5}. In principle, a multiple perspective of a 3D object must be recorded to reconstruct and display a 3D scene. For this purpose, various approaches have been demonstrated in the literature⁶. Owing to the simplified nature of the image capturing process, II has been widely applied^{1–3}. To note, II was either combined with existing optical imaging systems or applied directly for auto-stereoscopic 3D imaging applications⁶. For instance, in⁷, an AR based navigation system was demonstrated for an *in-vivo* bio-imaging application. II system was combined with a conventional microscopy for a novel Light Field Microscope⁸. A method to synthesize a digital hologram using II dataset was demonstrated in^{9,10}. Furthermore, imaging 3D objects under the turbid water was also proposed in¹¹, to mention a few.

In addition to these, a method of photons detection under extremely dark conditions was combined with II systems, known as Photons Counted Integral Imaging (PCII), for low light 3D object imaging and visualization¹². Thereafter, such system was examined for various applications such as biological imaging¹³, remote sensing¹⁴, night vision¹⁵, object detection¹⁶, autonomous driving¹⁷ and data encryption¹⁸, to cite a few. We note that most of these systems were proposed to demonstrate the feasibility of capturing and displaying 3D images under low light. Therefore, these analyses were typically limited to the single channel or monochromatic imaging. Nevertheless, intuitively, colour perception of a 3D object in such a degraded environment should enable better scene interpretation. For this reason, we have developed a simplified single-channel based colour 3D imaging system^{19,20}. Our system consists of a DSLR camera which translates both in horizontal (x) and vertical (y) directions to capture multiple two-dimensional (2D) images (often known as Elemental Images (EIs)) with different perspective. In one of our previous works¹⁹, we demonstrated that a 3D scene reconstruction is possible from just ~ 10 photons/scene. However, a 3D object (visual) recognition was possible only with >1000 photons/scene.

¹Department of Electronics and Communication Engineering, School of Engineering and Applied Sciences, SRM University AP, Mangalagiri, Andhra Pradesh 522240, India. ²School of Electrical and Electronic Engineering, College of Architecture and Engineering, University College Dublin, Belfield, Dublin 4, Ireland. ³LiFE Laboratory, Department of Electronics and Communication Engineering, Alliance College of Engineering and Design, Alliance University, Bengaluru, Karnataka 562106, India. ⁴These authors contributed equally: Vineela Chandra Dodda and Lakshmi Kuruguntla. ✉email: inbarasan.m@gmail.com

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 दस्त नोंदणी शाखेत अर्ज का ? देण/वाही.
 मिळकतीचे वर्णन Memorandum of Understanding
 मुद्रांक विकत घेणाऱ्याचा नांव Speed Engineering Solutions
 पत्ता Hadapsar, MIDC - 411013 Pvt. Ltd.
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9

सुर्यकांत सुखदेव गवळी
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मूद्रांक विकत घेणाऱ्याची सही

**Memorandum of Understanding
 Between
 SRM University AP
 And
 Speed Engineering Solutions Pvt. Ltd., Pune**

This memorandum of understanding entered into on March 1, 2022 between Speed Engineering Solutions Pvt. Ltd., with registered office located at: B, Naroo Harmony, La Citadel Colony, Dona Paula, Panaji-Goa. 403004 and principal place of business at ESD Ethos, 1st Floor, 22/3 Hadapsar Industrial Estate, Hadapsar, Pune – 411013 (hereinafter referred to as 'Speed Engineering' which expression shall where the context so admits include its successors and permitted assignees) and SRM University AP, Mangalgi-522240, Guntur District, Andhra Pradesh (hereafter referred to as SRM AP which expression shall where he context so admits include its successors and permitted assignees) of the other part.



Signature

Whereas Speed Engineering has expertise in the following technical areas

- Computer aided design
- Computer aided engineering
- Product design and development
- All with respect to applications in aerospace and automotive industry

Whereas SRM AP has the following expertise and facilities

- Highly qualified and experienced faculties
- University wide licenses for Solidwork software- 60 licenses
- University wide license for Ansys 19.1- 60 Teaching and one full license
- University wide license for Matlab- 500 nos
- High performance computers with 32 GB ram - 7 nos, Normal PCs with 8 GB Ram- 60 nos

1. Whereas Speed Engineering and SRM AP have agreed to collaborate on the following areas

- Speed Engineering will deliver free of cost webinars (Duration - 1.5 Hours) on 'Product Design-Development' and similar topics to all students of SRM AP.
- Speed engineering will conduct three-day (Duration - 4 Hours per day) online workshops on 'Product Design' at subsidized charges (Approximately Rs 2,000/- per student) to SRM AP's B.Tech. and M.Tech. students. SRM AP may consider offering further subsidy to students on case-to-case basis. Minimum recommended participation for such a workshop is 20 students to ensure its effectiveness. This online communication will be through web-based meeting applications such as MS-Teams and emails.
- Speed engineering will offer Summer Internships in the form of Industry Oriented Professional Online Training Course (Duration – 4 to 8 Weeks) on 'Product Design and Simulation' to SRM AP's B.Tech. and M.Tech. students on subsidized chargeable basis to students (Approximately Rs. 10,000/- for 8 weeks and Rs. 7,000/- for 4 weeks course for each student). This online communication will be through web-based meeting applications such as MS-Teams and emails.
- Speed Engineering will offer series of skill building projects based on industry work to SRM AP's B.Tech. and M.Tech. students who will work under joint guidance of SRM AP faculties and Speed Engineering experienced professionals. These projects will be based on real life industry problems. These projects will be of varying duration, and they can be mapped directly with UROP or MDDP or



[Handwritten signature]

Capstone projects in curriculum based on the duration. This engagement will be Online, with communication through phone, emails and web-based meeting applications such as MS-Teams etc. There will be no charges from Speed Engineering for this engagement. However, the number of such projects to be run in a year will be decided by Speed Engineering based on resource bandwidth and other considerations to sustain the quality of such engagements.

- Any other expense such as Travel, Accommodation, Food etc. if necessary to enhance the quality of above-mentioned engagements or even otherwise having financial implications in addition to what is mentioned above will be discussed separately between Speed Engineering and SRM AP on case-to-case basis and will be implemented through a separate agreement as appropriate based on circumstances thereupon.
- Speed Engineering may offer in-campus internship to some of the students of SRM AP based on their project performance, prevailing circumstances and operational feasibility thereupon at the discretion of Speed Engineering.
- Speed engineering may offer jobs to some of the brightest students based on their project performance, prevailing circumstances and available suitable vacancies thereupon at the discretion of Speed Engineering.
- SRM AP will provide necessary software licensing and simulation infrastructure for all of the above-mentioned engagements.
- Speed Engineering and SRM AP agreed to enter into separate agreements on case-to-case basis with the scope of work involving terms and conditions, financial agreements, intellectual property rights and respective responsibilities.

2. Whereas this MOU is valid for 10 years from the date of signing. However, it may be extended for further period or curtailed with mutual consent.

3. Except as hereinbefore provided, any dispute arising out of this MOU, the same shall be referred to the arbitration of two arbitrators one to be appointed by each party to the dispute, and in case of difference of opinion between them to a umpire appointed by the said two arbitrators before entering on the reference, and the decision of such arbitrators shall be such as the case may be shall be final and binding on both. The venue of the arbitration shall be such place as may be fixed by such arbitrators or umpires and the arbitration shall take place under the Indian arbitration act 1040 as

modified in 1996.




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4. Either parties may terminate the MOU by giving notice to the other for whatever reasons. In the event of such termination, either party has to fulfil their part of the obligation till the date of such termination.
5. The confidentiality of all the documents and processes involved will be maintained from both the sides.
6. This MOU has been executed in two originals, one of these has been referred by Speed Engineering and the other by SRM AP.

In witness whereof, the parties hereto have signed this MOU on the day, month and year mentioned herein below


Signed, sealed and delivered
For and on behalf of Speed Engineering


Pravin Gurav
CEO, Speed Engineering




Date: 14th February 2022

Signed, sealed and delivered
For and on behalf of SRM AP



Registrar Dr. R. Premkumar
SRM AP



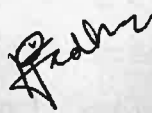
Date: 21-02-2022


Witness
Sandesh Sawant

Date: 14/02/2022


Witness
B V Babu, Dean of Engineering

Date: 21/02/2022


Witness
Prof Prakash Jadhav

Date: 21.2.2022

Date:



Prakash Jadhav <prakash.j@srmmap.edu.in>

Webinar : Product Design and Development

Head of the Department Mechanical Engineering <hod.me@srmmap.edu.in> Fri, Apr 22, 2022 at 4:27 PM

To: 2017 Btech Mechanical Students <2017.btech.me@srmmap.edu.in>, 2018 Btech Mechanical Students <2018.btech.me@srmmap.edu.in>, 2019 Btech Mechanical Students <2019.btech.me@srmmap.edu.in>, 2020 Btech Mechanical Students <2020.btech.me@srmmap.edu.in>, 2020 MTech Mechanical Students <2020.mtech.me@srmmap.edu.in>, 2021 MTech Mechanical Students <2021.mtech.me@srmmap.edu.in>, 2019 PhD Mechanical Students <2019.phd.me@srmmap.edu.in>, 2018 PhD Mechanical Students <2018.phd.me@srmmap.edu.in>, 2020.phd.me@srmmap.edu.in, 2021 PhD Mechanical Students <2021.phd.me@srmmap.edu.in>
Cc: Faculty of Mechanical Engineering <faculty.me@srmmap.edu.in>, Venkata N Nori <nori.v@srmmap.edu.in>

Dear Students

All of you should attend, they (Speed Engineering) will cover the product design and development, they will also give all the info about the internships and jobs that they are offering. If you do their internship, they can also give you projects to work on and later will hire you too.

Very important webinar...

All please attend...

Thanks

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2 attachments



Product_Design_and_Development_Webinar_Poster.jpg
202K

invite.ics
5K



Prakash Jadhav <prakash.j@srmmap.edu.in>

RE: Candidate List - Reg

10 messages

Amol Shinde <amol.shinde@speed-engineering.co.in>

Mon, May 9, 2022 at 5:06 PM

To: Vivekanandan M S <vivekanandan.m@srmmap.edu.in>

Cc: Anand Ballurgi <anand.ballurgi@speed-engineering.co.in>, Sandesh Sawant <sandesh@speed-engineering.co.in>, Pravin Gurav <pravin@speed-engineering.co.in>, Naga Sai Ganesh Jonnalagadda <saiganesh.j@srmmap.edu.in>, Dr Prakash Jadhav <prakash.j@srmmap.edu.in>

Hi Vivekanandan,

Hope you are doing well!

I am pleased to inform you that, based on the interview evaluation process, we have shortlisted below 3 students for the position of '**Associate Project Engineer**' at Speed Engineering Company.

Shortlisted students name:

1. **THOTA SARATH CHANDRA PRASAD**
2. **Morri Venkata Krishna Siddartha**
3. **ANKAM CHAITANYA KRISHNA**

Please find attached excel sheet capturing the attendance and evaluation remarks for the students.

Requesting you to confirm the joining date of the student with us, so that we can proceed with the next steps i.e. offer letter and joining process etc.

Also note few important points to ensure transparency:

- As mentioned in my email dated 8th March 2022 (sub: Proposal for Summer Internship to SRM University Students of Mechanical Stream), selected students are required to sign an Employment Agreement with the Company on the joining date, with a commitment to serve in his/her role at Speed Engineering for minimum period of 2 Years (for BE/BTech), with a bond amount of 1.5 Lacs. This was also informed to the students during interview.
- In case the employee leaves the company before 2 years, then this 1.5 Lacs INR will be treated as dues towards the company and will be considered in the Full and final settlement calculations.
- Probation period will be of 6 months, post which the employee gets a confirmation letter provided performance is satisfactory.
- Every confirmed employee is eligible for the merit increments which happens every year. Merit increment cycle at Speed is aligned to Financial Year (April to March)
- This offer will be valid only when these selected students complete their curriculum related activities before joining Speed Engineering.

We look forward to your confirmation.

Thanks & Regards,

Amol Shinde

Associate Technical Leader

Cell: 9096824710/7498558635

<https://www.speed-engineering.co.in/>

From: Vivekanandan M S <vivekanandan.m@srmmap.edu.in>

Sent: 21 March 2022 09:59

To: Amol Shinde <amol.shinde@speed-engineering.co.in>

Cc: Anand Ballurgi <anand.ballurgi@speed-engineering.co.in>; Sandesh Sawant <sandesh@speed-engineering.co.in>; Pravin Gurav <pravin@speed-engineering.co.in>; Naga Sai Ganesh Jonnalagadda <saiganesh.j@srmmap.edu.in>

Subject: Candidate List - Reg

Dear Mr. Amol,

Greetings from SRM !!!!!

Please find the attached list of Interested candidates

For further process Please contact Mr. Ganesh @ 8497921193.

Regards,

Vivek.

On Tue, Mar 8, 2022 at 8:18 PM Amol Shinde <amol.shinde@speed-engineering.co.in> wrote:

Hello Dr. Vivekanandan,

As discussed, we have come up with the proposal for conducting Summer Internship trainings for B. Tech. and M. Tech. students of Mechanical stream.

Proposals are attached with this mail.

Regarding Placement at Speed Engineering: As discussed, our approach is to recruit the students through such engagement activities (Industry Oriented Professional Training Course and Skill Building Projects) as this gives us an opportunity to interact with the students and assess their technical and behavioural aspects.

However, as understood during our call, there are good students of Mechanical stream waiting for placement and coincidentally we have openings for 4 fresh Graduate/Post-graduate engineers in the areas of Product Design and Simulation. Hence request you to send us the profiles immediately only for the students who have willingness to relocate to Pune as a work location.

Below are the salary details Speed will offer for the fresh engineers and additionally at the time of recruitment, employee will be required to sign an Employment Agreement with the Company with a commitment to serve in his/her role at Speed Engineering for below minimum period:

Qualification	Max. Bond Period (Years)	Bond Amount (INR)	Offer Annual CTC (INR)
B.E./BTech	2 Years	1,50,000/-	3,20,000/-
M.E./MTech	1 Year	1,50,000/-	3,60,000/-

Regarding Additive Manufacturing training, I will send separate mail.

I will give you a phone call to discuss this in detail.

Thanks & Regards,

Amol Shinde

Manager – Speed Learning Centre

Cell: 9096824710/7498558635

<https://www.speed-engineering.co.in/>

From: Vivekanandan M S <vivekanandan.m@srmmap.edu.in>

Sent: 05 March 2022 12:10

To: Venkata N Nori <nori.v@srmmap.edu.in>

Cc: Prakash Jadhav <prakash.j@srmmap.edu.in>; Amol Shinde <amol.shinde@speed-engineering.co.in>; Narendra Sadaphal <narendra.sadaphal@speed-engineering.co.in>; Anand Ballurgi <anand.ballurgi@speed-engineering.co.in>; Laxmanan Angu Raju <laxmanan.a@srmmap.edu.in>

Subject: Re: Speed Engineering - Placement opportunity for our students

Thanks, Dr.Nori for the introduction.

Dear Mr.Amol,

It was nice talking to you a while ago. Pleasure getting connected.

As discussed, We will have a call along with Mr.Sandeep to discuss on the further steps.

With regards,

Vivek

On Fri, Mar 4, 2022 at 4:25 PM Venkata N Nori <nori.v@srmmap.edu.in> wrote:

Dear Vivekanandan,

Speed Engineering, Pune has expressed interest to hire a few students from our final year BTech batch.

Please contact Amol Shinde 9096824710/7498558635 and take it forward.

Thanks and Regards

--

Thanks & Regards

Vivekanandan.M S,

Associate Director,

Corporate Relations & Career Services,

#Mob ; 9942822000

Website: www.srmap.edu.in



--

Thanks & Regards

Vivekanandan.M S,

Associate Director,

Corporate Relations & Career Services,

#Mob ; 9942822000

Website: www.srmap.edu.in



 **SRM_Interview_Feedback_09MAY2022.xlsx**
10K

Amol Shinde <amol.shinde@speed-engineering.co.in>

Fri, Jun 3, 2022 at 3:16 PM

To: Vivekanandan M S <vivekanandan.m@srmap.edu.in>

Cc: Anand Ballurgi <anand.ballurgi@speed-engineering.co.in>, Sandesh Sawant <sandesh@speed-engineering.co.in>, Pravin Gurav <pravin@speed-engineering.co.in>, Naga Sai Ganesh Jonnalagadda <saiganesh.j@srmap.edu.in>, Dr Prakash Jadhav <prakash.j@srmap.edu.in>

Hi Vivekanandan Sir,

Hope you are doing well!

I am just following up with you to get the confirmation for students selected for the position of '**Associate Project Engineer**' at Speed Engineering Solutions.

Please let me know the joining date of the students accordingly we will start their onboarding process at Speed.

Feel free to connect with me in case of queries.

Regards,

Amol Shinde

[Quoted text hidden]

Vivekanandan M S <vivekanandan.m@srmmap.edu.in>

Wed, Jun 8, 2022 at 2:39 PM

To: Amol Shinde <amol.shinde@speed-engineering.co.in>

Cc: Anand Ballurgi <anand.ballurgi@speed-engineering.co.in>, Sandesh Sawant <sandesh@speed-engineering.co.in>, Pravin Gurav <pravin@speed-engineering.co.in>, Naga Sai Ganesh Jonnalagadda <saiganesh.j@srmmap.edu.in>, Dr Prakash Jadhav <prakash.j@srmmap.edu.in>

Dear Mr.Amol,

Greetings of the day

Apologies for the delayed response.

All the selected students are ready to join your esteemed organization.

Kindly let us know the further process.

With regards

Vivek

9942822000

[Quoted text hidden]

Amol Shinde <amol.shinde@speed-engineering.co.in>

Wed, Jun 8, 2022 at 2:44 PM

To: Vivekanandan M S <vivekanandan.m@srmmap.edu.in>

Cc: Anand Ballurgi <anand.ballurgi@speed-engineering.co.in>, Sandesh Sawant <sandesh@speed-engineering.co.in>, Pravin Gurav <pravin@speed-engineering.co.in>, Naga Sai Ganesh Jonnalagadda <saiganesh.j@srmmap.edu.in>, Dr Prakash Jadhav <prakash.j@srmmap.edu.in>

Hello Sir,

Good afternoon!

Can you please let me know the date by when all 3 selected students can join with us. Please make sure they complete their final year examination and the curriculum part.

Once we receive the date of joining, our TA executive will connect with them for the onboarding process.

Thanks & Regards,

Amol Shinde

Cell: +91-9096824710/7498558635

[Quoted text hidden]

Naga Sai Ganesh Jonnalagadda <saiganesh.j@srmmap.edu.in>

Wed, Jun 8, 2022 at 3:00 PM

To: Amol Shinde <amol.shinde@speed-engineering.co.in>

Cc: Vivekanandan M S <vivekanandan.m@srmmap.edu.in>, Anand Ballurgi <anand.ballurgi@speed-engineering.co.in>, Sandesh Sawant <sandesh@speed-engineering.co.in>, Pravin Gurav <pravin@speed-engineering.co.in>, Dr Prakash Jadhav <prakash.j@srmmap.edu.in>

Hi sir,

The students can join immediately sir as their final semester exams are completed last week

Regards,
Ganesh JNS

[Quoted text hidden]

Amol Shinde <amol.shinde@speed-engineering.co.in>

Fri, Jun 10, 2022 at 11:44 AM

To: Naga Sai Ganesh Jonnalagadda <saiganesh.j@srmmap.edu.in>

Cc: Vivekanandan M S <vivekanandan.m@srmmap.edu.in>, Anand Ballurgi <anand.ballurgi@speed-engineering.co.in>, Sandesh Sawant <sandesh@speed-engineering.co.in>, Pravin Gurav <pravin@speed-engineering.co.in>, Dr Prakash Jadhav <prakash.j@srmmap.edu.in>

Hello Sir,

Thank you for the update. Please let me know the date on which all 3 can join with us.

Regards,
Amol Shinde

[Quoted text hidden]

Naga Sai Ganesh Jonnalagadda <saiganesh.j@srmmap.edu.in>

Fri, Jun 10, 2022 at 11:47 AM

To: Amol Shinde <amol.shinde@speed-engineering.co.in>

Cc: Vivekanandan M S <vivekanandan.m@srmmap.edu.in>, Anand Ballurgi <anand.ballurgi@speed-engineering.co.in>, Sandesh Sawant <sandesh@speed-engineering.co.in>, Pravin Gurav <pravin@speed-engineering.co.in>, Dr Prakash Jadhav <prakash.j@srmmap.edu.in>

Hi Amol,

I'll Share the dates shortly

Regards,
Ganesh JNS
[Quoted text hidden]

--

With regards

Jns Ganesh,
Senior Associate - CR & CS
SRM A.P
Neerukonda Village
Mangalagiri Mandal
Guntur district - 522502



Amol Shinde <amol.shinde@speed-engineering.co.in>

Tue, Jun 14, 2022 at 11:53 AM

To: Naga Sai Ganesh Jonnalagadda <saiganesh.j@srmmap.edu.in>

Cc: Vivekanandan M S <vivekanandan.m@srmmap.edu.in>, Anand Ballurgi <anand.ballurgi@speed-engineering.co.in>, Sandesh Sawant <sandesh@speed-engineering.co.in>, Pravin Gurav <pravin@speed-engineering.co.in>, Dr Prakash Jadhav <prakash.j@srmmap.edu.in>

Hello Sir,

Good morning!

Awaiting for the date of joining of students with us so that we can start their onboarding process with us.

[Quoted text hidden]

Naga Sai Ganesh Jonnalagadda <saiganesh.j@srmmap.edu.in>

Tue, Jun 14, 2022 at 12:01 PM

To: Amol Shinde <amol.shinde@speed-engineering.co.in>

Cc: Vivekanandan M S <vivekanandan.m@srmmap.edu.in>, Anand Ballurgi <anand.ballurgi@speed-engineering.co.in>, Sandesh Sawant <sandesh@speed-engineering.co.in>, Pravin Gurav <pravin@speed-engineering.co.in>, Dr Prakash Jadhav <prakash.j@srmmap.edu.in>

Hi amol,

We will update shortly by today 04:00 PM. Sorry for the inconvenience

Regards,
Ganesh JNS

[Quoted text hidden]

Naga Sai Ganesh Jonnalagadda <saiganesh.j@srmmap.edu.in>

Wed, Jun 15, 2022 at 12:34 PM

To: Amol Shinde <amol.shinde@speed-engineering.co.in>

Cc: Vivekanandan M S <vivekanandan.m@srmmap.edu.in>, Anand Ballurgi <anand.ballurgi@speed-engineering.co.in>, Sandesh Sawant <sandesh@speed-engineering.co.in>, Pravin Gurav <pravin@speed-engineering.co.in>, Dr Prakash Jadhav <prakash.j@srmmap.edu.in>

Hi Amol,

As discussed over call, The students did not accepted the offer as they placed through off campus with higher CTC

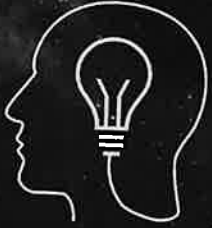
Regards,
Ganesh JNS

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[Quoted text hidden]



Speed Engineering Solutions
conducting a webinar for students of
SRM University, AP on



Product Design and Development



23rd April 2022



04:00 to 05:00 PM

Scan to join





**MEMORANDUM OF AGREEMENT
BETWEEN**

**SRM UNIVERSITY, AP
AND
STATE UNIVERSITY OF NEW YORK AT OSWEGO**

PREAMBLE

By this MEMORANDUM OF AGREEMENT (MOA) between SRM University, AP (Hereinafter known as SRM) and the State University of New York College at Oswego (Hereinafter known as SUNY Oswego), agree to establish an arrangement by which students from SRM may be admitted to degree programs at SUNY Oswego from their studies at SRM under the following conditions.

1. ARTICULATION OF TRANSFER CREDIT

1.1 The amount of credit that may be awarded to suitably qualified applicants applying for SUNY Oswego degree programs. SRM students who have pursued the degree track for the first four semesters and complete the requirements of the Transfer Course Articulation, will be eligible to receive transfer credit into the bachelor degree at SUNY Oswego in the equivalent program. When students have completed all the course requirements in the above prescribed program, they will be conferred with a Bachelor of Science degree from SUNY Oswego and the Diploma from SRM.

1.2 SUNY Oswego reserves the right to review and amend the amount and level of credit awarded at any time during the period of this MOA. SRM will be given six months advance notice of any changes in the amount of credit to be awarded. A student is permitted to graduate under the program of study in effect at the time of admission to SRM.

2. SELECTION OF STUDENTS

2.1 SRM students, who have completed a course of study, will be required to meet the minimum academic entry standards in order to be considered for admission into SUNY Oswego degree programs. SUNY Oswego reserves the right

nm



to review these entry standards. Any changes will be immediately communicated to SRM prior to the next student intake into SUNY Oswego. Any students who are already on a course at SRM will be considered for acceptance by SUNY Oswego under the existing terms and conditions.

2.2 SRM shall provide SUNY Oswego with statements of the academic results of applicants and any other appropriate formal or informal reports on their performance.

2.3 Students are required to have a minimum overall Grade Point Average of 2.5/4 and demonstrate their English Language proficiency by achieving a minimum official IELTS score of 6.0 or official TOEFL score of 71 iBT prior to entering the degree program at SUNY Oswego. Candidates who have achieved lower scores will qualify for admission on condition that they register into the Intensive English Program at SUNY Oswego. SUNY Oswego will determine the English program best suited for each student based on their language level and the semester in which they plan to enter the program.

2.4 Candidates will be required to submit an application through the SUNY Oswego Admissions Office. Each candidate will be considered individually on the basis of his or her application. SUNY Oswego reserves the right to refuse the admission of applicants.

2.5 SUNY Oswego will provide necessary Visa documents to enable the SRM students to come to SUNY Oswego.

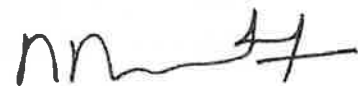
3. CURRICULUM

3.1 SUNY Oswego's agreement to articulation of transfer credit is based on the latest curriculum document and assessment information. SRM undertakes to advise SUNY Oswego immediately of any proposed changes in curriculum to the courses.

4. PROMOTION

4.1 SUNY Oswego and SRM agree that the other's name or logo can be used to promote the program. Should this agreement be terminated under the terms and conditions set out in Clauses 8.4 – 8.7, both parties will cease the use of the other's name or logo with immediate effect.

5. FEES



5.1 Students accepted into degree programs at SUNY Oswego shall pay fees directly to SUNY Oswego in accordance with SUNY Oswego's Regulations and Fees Schedule for the years of admission to the course. SUNY Oswego agrees to offer a Destination Oswego Scholarship to qualified students from SRM.

5.2 Students accepted into degree programs at SUNY Oswego will be responsible for covering their own travel and living costs.

5.3 Both universities may provide scholarships to outstanding students to help with their finances at their discretion. Neither university should demand financial support of the other partner unless the partner university chooses to do so.

6 TRANSFER OF DATA

6.1 The parties recognize that the performance of the agreement may require the parties to exchange certain personal information ("Data") relating to students ("Students") and that there is applicable legislation which protects how that information is processed. Each party therefore agrees to comply with the terms and conditions of Schedule B.

7 LIAISON

7.1 Both parties will appoint points of contact for liaison. The names of the points of contact are set out in Schedule B. Each institution may change its points of contact provided it provides notification in writing of any such changes.

7.2 Both parties agree to cooperate in relevant publicity activities such as promotion and recruitment events.

8 RENEWAL, TERMINATION AND AMENDMENT

8.1 This Agreement shall be effective for a period of Five years subject, from time-to-time, to revision or modification. Any revision or modification shall be in writing and once approved by both organizations will become part of this Memorandum of Agreement.



8.2 This Agreement may be renewed by mutual written agreement between the parties. The parties shall discuss any possible renewal of the Agreement no less than six months before the expiry date of the Agreement.

8.3 The operation of the Agreement will be reviewed on an annual basis.

8.4 Either Party may terminate this Agreement by written notice with immediate effect in the event that its continuance is not consistent with any regulatory regime to which it is subject.

8.5 Either Party may terminate this Agreement for any reason by giving the other party less than six months' written notice.

8.6 This Agreement shall be terminated should either party be in breach of the terms of the Agreement. If the breach is capable of being remedied, either party has within 14 days to comply.

8.7 This Agreement shall terminate if either party engages in any conduct reasonably considered by the other to be prejudicial to its reputation or its marketing generally.

9 GENERAL

9.1 If this Memorandum of Agreement is modified, or terminated as set out in Clause 8, both parties agree that any students who, at the date of modification or termination, had been accepted into the SRM program and had commenced studies with the intention to apply for consideration by SUNY Oswego, will still be eligible for such consideration under the terms of this memorandum.





SIGNATURE

SUNY Oswego

SRM University AP

[Handwritten signature]

[Handwritten signature]

Officer in Charge

DR. R. Premkumar
Registrar

~~President~~



2/14/22

07.02.2022

Date

Date

[Handwritten signature]

[Handwritten signature]

Vice President for Academic Affairs and Provost

Dr. Naga Swetha Pasupuleti
Associate Director of International Relations
Office

2/11/22

7. Feb. 2022

Date

Date

SCHEDULE A

1. The parties may transfer data for the following purposes (the "Purposes").
 - 1.1 To facilitate the administration of, and to provide advice and support to students;
 - 1.2 The maintenance of student records (including both personal and academic details) and management of academic progress (e.g. assessment, examination boards, degree classifications);
 - 1.3 Academic audit and internal research, including monitoring quality and performance;
 - 1.4 The management of the residencies occupied by students and nonacademic activities carried out by students.
2. The parties agree that they will only use data solely for the purposes and in accordance with this schedule save to the extent otherwise required by applicable law.
3. Each party will use all reasonable endeavors to maintain the accuracy of all data the processes under the Agreement.
4. The receiving party will not in any circumstances disclose or transfer the data (in whole or part) to any third party without the express written consent of the other party.
5. The receiving party will treat the data as they would treat their own confidential information and will comply with any specific security requirements agreed in writing with the other party from time to time (such agreement not to be unreasonably withheld).
6. The receiving party will promptly cooperate so far as is reasonably with the other party with regard to destruction, return or disclosure of the data (On whole or part).

nm



SCHEDULE B

Administrative Contact	
SUNY Oswego	SRM University, AP
<p>Helena Zhao International Recruitment and Partnership Specialist Office of International Education and Programs</p> <p>Office: 102 Sheldon Hall Tel: (315) 312-5671 Email: honghua.zhao@oswego.edu</p>	<p>Dr. Naga Swetha Pasupuleti Associate Director The Office of International Relations and Higher Studies</p> <p>Office: 6th Cabin, B- Block Tel: +91-9871018881 Email: Assocdirector@srmmap.edu.in</p>
Academic Contact	
SUNY Oswego	SRM University, AP
<p>Dr. Joshua McKeown Associate Provost & Director Office of International Education and Programs</p> <p>Office: 100 Sheldon Hall Tel: (315) 312-2118 Fax: (315) 312-2477 Email: joshua.mckeown@oswego.edu</p>	<p>Dr. Uma Maheswar Arepalli Assistant Professor Civil Engineering Department School of Engineering and Applied Sciences</p> <p>Tel: +91-8662429299 Email: umamaheswar.a@srmmap.edu.in</p>

nm





SRM
UNIVERSITY AP
— Andhra Pradesh



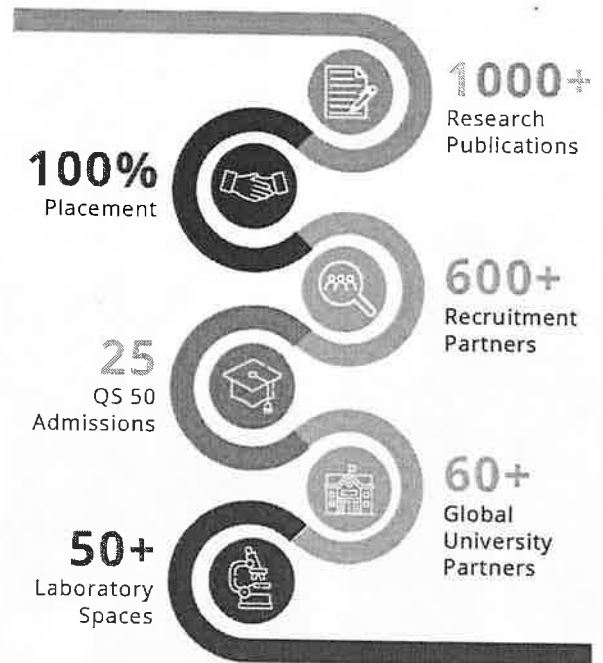
INTERNATIONAL TRANSFER PROGRAMME BROCHURE AY 2023-24

EMBARK ON THE AVENUES OF EXCELLENCE

www.srmap.edu.in/international-relations

About

SRM University-AP, Andhra Pradesh is a multi-stream research university with a focus on diverse fields. From Engineering to Sciences and Liberal Arts to Management, SRM University-AP's vision is to emerge as a world-class university that is globally connected, nationally relevant, and regionally transformative. It has an ambitious plan to be in the top world-class universities in ten years.



International Transfer Programme Advantages



INTERNATIONAL DEGREE

Final degree offered from the foreign universities (Internationally recognised with rich exposure).



WORLD WIDE ACCEPTANCE

Renowned universities in USA, UK, France, Australia, Cyprus, Malaysia and many more accept SRM AP University credits.



INTERACTION WITH INTERNATIONAL UNIVERSITY DELEGATES

Delegates from international universities visit SRM AP for student counselling and guidance.



AFFORDABLE EDUCATION

Since the first two years of the programme is conducted in SRM AP students save approximately 40% - 50% of the total cost.



FLEXIBILITY

Students can change their branch after 1st semester or in the university abroad.

- ▶ Opportunity to work part-time for up to 40 hours during the degree programme
- ▶ Safe accommodation vetted by SRM AP
- ▶ Easy & convenient selection criteria for SRM AP students
- ▶ Opportunity to earn attractive scholarships from partner universities
- ▶ Opportunities to settle abroad and become eligible for PR
- ▶ Opportunities for live projects and experiential learning tours to the partner universities
- ▶ Complete placement assistance and opportunity to work abroad (E.g. Post Study Working Rights)
- ▶ Better jobs/higher status as employers are increasingly valuing global study experience
- ▶ Networking opportunity with students from across the world

Fee Structure 2023

- ▶ 1.5 x Domestic fee at SRM AP
- ▶ International fee as per the university

Note:

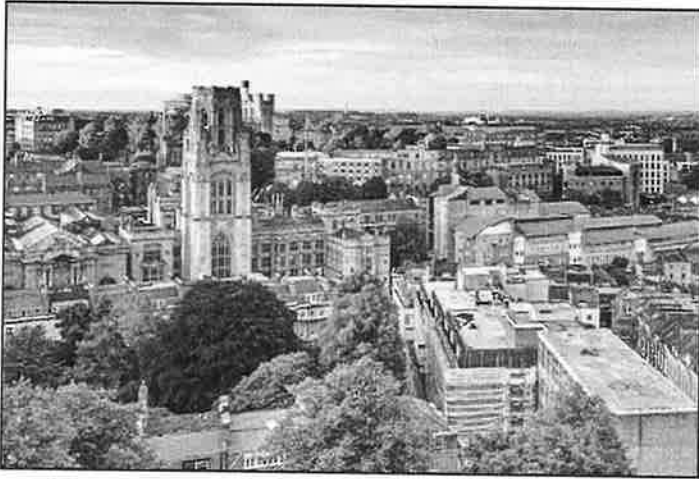
The above-mentioned Tuition fees are approximate programme wise, for Year 3 and 4 will depend on the university to which the student will transfer.

Courses Offered

The following courses are offered at SRM AP under the International Transfer Programme:

- ▶ Bachelor of Engineering
- ▶ Bachelor of Science
- ▶ Bachelor in Management
- ▶ Bachelor of Arts

International Transfer Programmes List



IIT Chicago - USA

QS Rank - 444

Country Rank - 127

Bachelor of Science (BS) -
Engineering [ME/EE/ME/
CSE]

[2+2]

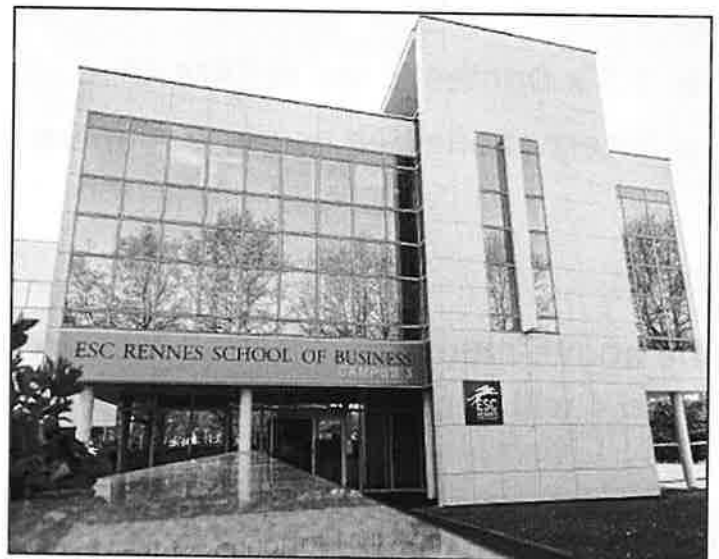
Rennes School of Business - France

QS Rank - 800

Country Rank - 2

Bachelor in Management

[2+1]



State University of New York - Oswego

Country Rank - 54 - USA

Bachelor of Science (BSc)

Bachelor of Science (BS) -
Engineering [C&E]

[2+2]



International Transfer Programmes List



University of Kentucky - USA

QS Rank - 701-750

Country Rank - 137

Bachelor of Science (BS)

Bachelor of Science (BS) -
Engineering [ME/EE/ME/CSE]

Bachelor of Arts (BA) [English]

BBA

[2+2]

Universiti Teknologi Petronas - Malaysia

QS Rank - 361

Country Rank - 2

Bachelor of Engineering
(Honours) [ME/EEE/ME/CSE]

[2+2]



Monash University

QS Rank - 57 - Australia

Country Rank - 4

Bachelor of Engineering
(Honours) [CSE]

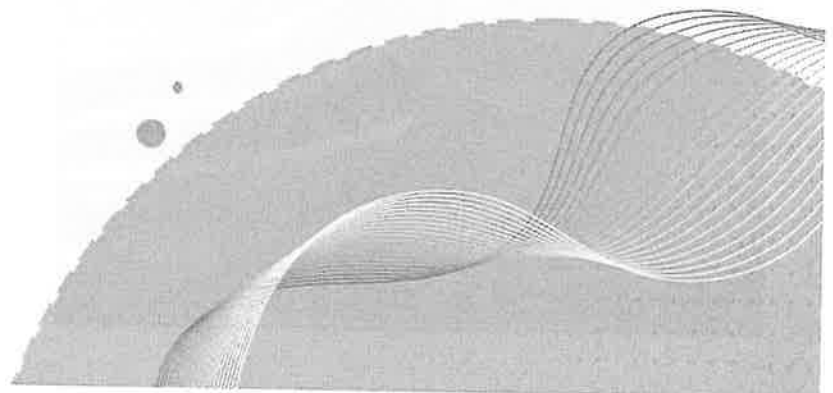
[2+2]



International Transfer Programmes

S. No.	University Name	Country	QS Rank	Country Rank	Programme at SRM AP	Degree Awarded at Foreign University	Model
1	Monash University	Australia	57	4	Bachelor of Technology (BTech)	Bachelor of Engineering (Honours) {CSE}	[2+2]
2	Universiti Teknologi Petronas	Malaysia	361	2	Bachelor of Technology (BTech)	Bachelor of Engineering (Honours) {ME/EEE/ME/CSE}	[2+2]
3	Rennes School of Business	France	800	2	BBA	Bachelor in Management	[2+1]
4	Illinois Institute of Technology, Chicago	USA	444	127	Bachelor of Technology (BTech)	Bachelor of Science (BS) - Engineering {ME/EE/ME/CSE}	[2+2]
5	University of Kentucky	USA	701-750	137	Bachelor of Technology (BTech)	Bachelor of Science (BS) - Engineering {ME/EE/ME/CSE}	[2+2]
					BBA	BBA	
					Bachelor of Science (Hons)	Bachelor of Science (BS)	
					Bachelor of Arts (BA)	Bachelor of Arts (B.A.) {English}	
6	State University of New York - Oswego	USA		54	Bachelor of Technology (BTech)	Bachelor of Science (BS) - Engineering {C&E}	[2+2]
					Bachelor of Science (Hons)	Bachelor of Science (BS)	

Note: Eligibility and Fee Structure will differ as per university requirements





SRM
UNIVERSITY AP
—Andhra Pradesh

The Directorate of International Relations and Higher Studies

Contact Details


Main Campus:


SRM University-AP, Andhra Pradesh,
Neerukonda, Mangalagiri Mandal,
Guntur District, Andhra Pradesh - 522240


Mumbai Information Center:

III, 2WW5+XJC, Waman Tukaram
Patil Marg, opp. Duke's Factory, Chembur,
Mumbai, Maharashtra - 400071

    /SRMUAP  /SRMUniversityAP



 www.srmap.edu.in

 admissions.ia@srmap.edu.in

 +91-915-4147-971 | +91-915-4147-961 | +91-915-4147-960




Comparative study of pyrolysis and hydrothermal liquefaction of microalgal species: Analysis of product yields with reaction temperature

Changlei Xia^a, Abhijeet Pathy^b, Balasubramanian Paramasivan^b, Prabakaran Ganeshan^c, Kondusamy Dhamodharan^d, Ankita Juneja^e, Deepak Kumar^f, Kathirvel Brindhadevi^g, Sang-Hyoun Kim^h,  , Karthik Rajendran^c




- ^a Jiangsu Co-Innovation Center of Efficient Processing and Utilization of Forest Resources, International Innovation Center for Forest Chemicals and Materials, College of Materials Science and Engineering, Nanjing Forestry University, Nanjing, Jiangsu 210037, China
- ^b Agricultural & Environmental Biotechnology Group, Department of Biotechnology & Medical Engineering, National Institute of Technology Rourkela, 769008, India
- ^c Department of Environmental Science, SRM University-AP, Andhra Pradesh, India
- ^d School of Energy and Environment, Thapar Institute of Engineering and Technology, Punjab, India
- ^e Agricultural and Biological Engineering, University of Illinois at Urbana-Champaign, Urbana, IL 61801, USA
- ^f Department of Chemical Engineering, State University of New York College of Environmental Science and Forestry, Syracuse, NY 13210, USA
- ^g Department of Pharmacology, Saveetha Dental College, Saveetha Institute of Medical and Technical Sciences, Saveetha University, Chennai, India
- ^h Faculty of Electrical and Electronics Engineering, Ton Duc Thang University, Ho Chi Minh City, Viet Nam
- ⁱ School of Civil and Environmental Engineering, Yonsei University, Seoul 03722, Republic of Korea


Received 17 February 2021, Revised 26 July 2021, Accepted 4 September 2021, Available online 9 December 2021, Version of Record 4 January 2022.


 [What do these dates mean?](#)

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 Outline |  Share  Cite

<https://doi.org/10.1016/j.fuel.2021.121932> 

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Highlights



Academic Alliance Program

MEMORANDUM OF UNDERSTANDING
BETWEEN
ZIROH LABS PVT LTD, BANGALORE
AND
SRM University - AP, Neerukonda, Guntur, Andhra Pradesh

IN RESPECT OF INTERACTION OF ACADEMIA AND INDUSTRY FOR IMPROVING THE QUALITY OF TEACHING, FOR IMPARTING PRACTICAL SKILLS TO STUDENTS. UNDERTAKING RESEARCH AND CONSULTANCY

PREAMBLE

THIS MEMORANDUM OF UNDERSTANDING entered into on 7th February 2022 between ZIROH LABS PVT LTD having its office at '#21, GoodWorks Infinity Park, Tower 1, 2nd Main Road, Electronics City Phase 1, Electronic City, Bengaluru, Karnataka 560100. (hereinafter referred to as "Ziroh Labs"), mostly mentioned as Ziroh Labs of the First Part and SRM University-AP, Andhra Pradesh having its campus on Neerukonda - Kuragallu Village, Managalagiri Mandal, Guntur District, Andhra Pradesh - 522 240 (hereinafter referred to as SRM University-AP) of the SECOND PART;

WHEREAS, Ziroh Labs is a Company registered under Company Law and basically working on the development of new cryptographic and distributed system techniques that preserve the privacy of information being stored in cloud computing storage infrastructure.

Registrar
SRM UNIVERSITY-AP
Andhra Pradesh-522 240.

AND WHEREAS SRM University-AP an Academic Institute is offering Undergraduate Programs – (i) School of Engineering & Applied Sciences (SEAS) – B. Tech (CSE/ECE/ME EEE/CE) & B. Sc – Mathematics, Physics, Chemistry, Biology, Environmental Sciences (ii) School of Liberal Arts & Basic Sciences (SLABSS) – English, Economics, History, Journalism, Psychology & Commerce, (iii) School of Management – MBA & BBA, Also offering Post Graduation programs – M. Tech & Ph.D.

AND WHEREAS the parties hereto are desirous of recording the terms and conditions of their agreement in writing as follows:

1. The subject matter of this MOU is to do research and development on cryptography, networks, and distributed systems with Ziroh Labs.
2. Ziroh Labs is authorized by this MOU to use the services of SRM University-AP in terms of this MOU.
3. SRM University-AP will do research and development on cryptography, networks, and distributed systems together with Ziroh Labs.

ARTICLE 1:

MODES OF COLLABORATION

It is mutually agreed that upon the mutual consent of the institutions, collaboration shall be carried out to the extent feasible through such activities as listed below.

1. SRM University-AP will do Research and Development on projects related to Cryptography, Computer Networks, and Distributed Systems with Ziroh Labs. There will be a separate agreement to be signed by the parties for each such project.
2. SRM University-AP will provide students to Ziroh Labs as an intern, and Ziroh labs will provide priority selection of SRM University-AP students for internship.
3. Ziroh Labs will provide their products to SRM University-AP for test or trial under an academic license agreement from time to time.
4. Ziroh Labs will provide academic inputs as requested by SRM University-AP and may also conduct seminars, workshops, and tutorials for SRM University-AP students. All such activities will be finalized by the designated officials of SRM University-AP and Ziroh Labs.

ARTICLE 2:

IMPLEMENTATION

In terms of such mutual collaboration envisioned and activity implemented under the terms of this agreement, the programs will be mutually discussed and jointly agreed upon in writing by authorized officials of either institution prior to the initiation of a particular program or activity.



Registrar
SRM UNIVERSITY-AP
Andhra Pradesh-522 240

ARTICLE 3

PROCEDURES AND FUNDING

1. The overall program will be coordinated by the office of SRM University-AP and office of Ziroh Labs, Bangalore.
2. There is no financial requirement from SRM University-AP.

ARTICLE 4

AMENDMENTS TO THIS MOU

Amendments to this agreement may be made at any time during its validity through mutual written consent of Ziroh Labs and SRM University-AP.

ARTICLE 5:

DURATION OF THIS MOU

This MOU will remain operative for a period of **three** years from the date of formally signing the MOU. There will be a review of the MOU at the end of each year and will be renewed with mutual consent.

ARTICLE 6:

MOU ADMINISTRATORS

Said otherwise provided in the MOU all actions to be taken and all notices to be given or taken hereunder on behalf of Ziroh Labs, Bangalore by the Managing Director or his authorized representative and on behalf of SRM University-AP to be taken or given by the Registrar.

ARTICLE 7:

TERMINATION

Any of the Parties may terminate this Agreement by serving a written notice on the other Parties three months prior to the intended date of termination provided that the termination by either of the parties shall not relieve that party of its obligations accrued prior to such termination, under a specific Project.

ARTICLE 8:

NOTICES

All communications by the Founder & Managing Director of Ziroh Labs involving financial, administrative, key technical objectives & decisions and other matters shall be sent to the Registrar, SRM University-AP. All communications by The Registrar, SRM University-AP involving



Registrar
SRM UNIVERSITY-AP
Andhra Pradesh-522 240.

financial, administrative, key technical objectives & decisions and other matters shall be sent to the Managing Director, Ziroh Labs

ARTICLE 9:

GENERAL

1. The headings of various clauses herein are inserted for convenience of reference and are not deemed to affect the meaning or construction of relative provisions.
2. Ziroh Labs will have the right to continue to utilize the Information from its application
3. This Agreement and its Appendices constitute the entire agreement amongst the Parties and supersede all other representations, understandings, or communication, whether written or verbal, with respect to the subject matter hereof.
4. Neither this MoU nor any activities described herein shall be construed as creating a partnership, joint venture, agency, or other such relationship. Both parties agree that this MoU represents a non-exclusive relationship between the parties, and nothing contained herein shall preclude either party from participating/initiating a similar relationship with third parties.
5. The term confidential shall not include information available or through prior expertise or lawfully obtained or available from a third party or other legally available sources.

ARTICLE 10:

ARBITRATION

This MOU is based on mutual trust, confidence, and faith. Both the parties hereby agree to carry out the assignment in good faith. All matters will be kept confidential and will not be divulged to any other party. The MOU administrators will settle differences of opinion arising out of and in connections with the MOU, based on mutual consultation by the administrators. Finally, this MOU is wholly meant to contribute to the learning process of the faculty and the students belonging to SRM University-AP and possible R&D, & developmental activity of Ziroh Labs and not any other purpose.

If the differences of opinion cannot be resolved by the said MOU administrators, the matter shall be resolved by arbitration in accordance with the Arbitration and Conciliation Act, 1996. Each party shall appoint one arbitrator, and the two arbitrators will select a third arbitrator. The arbitration shall be conducted by a panel of three arbitrators. The venue of arbitration shall be exclusively in Guntur, Andhra Pradesh. The decision of the panel of arbitrators shall be binding on both parties.

This agreement shall be governed by the Laws of India and subject to the jurisdiction of Courts at Guntur, Andhra Pradesh.

ARTICLE 11

FORCE MAJEURE



Registrar
SRM UNIVERSITY-AP
Andhra Pradesh-522 240.

Neither party shall be held responsible for non-fulfillment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Epidemics, etc. provided on the occurrence and cessation of any such event the party affected thereby shall give notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

This memorandum is executed in the English Language in two originals and each party holds one original.

Signatories of the MOU

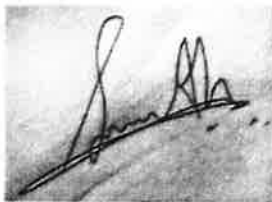
For ZIROH LABS PVT LTD

For SRM University – AP, Andhra Pradesh

Surabhi Das

Surabhi Das
Director

Witness



Name: Sumukh Rao
Designation: Associate Director of Sales
Address: Ziroh Labs

Dr. R. Premkumar

Dr. R. Premkumar
Registrar

Witness

Registrar
SRM UNIVERSITY-AP
Andhra Pradesh -522 240.

P. Venkateswara Rao

Name: P VENKATESWARA RAO
Designation: Sr Manager, CR & CS
Address: Neerukonda - Kuragallu Village
Managalagir Mandal, Guntur District -522
240 (A.P.)

Event report format for Seminar / Workshops/Conferences/ Technical & Non - Technical Events

Title of the Event:	How are you exposing your information online?				
Nature of the Event:	Webinar				
Date:	23 rd April 2022				
Time:	11:30 AM to 12:30 PM				
Host:	Directorate		Corporate Relations and Career Services		
Location:	Virtual				
Number of attendees:	External *	Faculty	Ph D Scholar	PG	UG
					140
Event Organiser Contact info:	Ms. Akhila				
Subject Area:	Soft Skills				
Resource Person / Chief Guest:	Igneta Dsouza				
Affiliation:	Privacy Engineerng Lead, <u>Ziroh Labs</u>				
Resource person profile: (in 50 - 100 words)	<p>Igneta D'Souza is a distinguished Privacy Engineering Lead with a passion for ensuring data protection, privacy compliance, and ethical data handling in the digital age. With extensive experience in privacy engineering and a commitment to upholding the highest standards of data privacy, Igneta plays a pivotal role in safeguarding sensitive information in the digital landscape.</p> <p>Throughout her career, Igneta has achieved significant milestones, including the successful implementation of privacy programs, the development of privacy-preserving algorithms, and the establishment of data protection frameworks. Her leadership and expertise have contributed to maintaining a strong reputation for privacy and compliance within her organizations.</p> <p>Interests: Beyond her professional responsibilities, Igneta is an advocate for privacy education and awareness. She frequently participates in industry conferences and seminars, sharing her knowledge and insights on privacy engineering. In her leisure time, she enjoys reading about emerging privacy technologies, volunteering for privacy-related causes, and exploring the outdoors.</p>				

	<p>Igneta D'Souza's dedication to safeguarding data, her deep knowledge of privacy engineering, and her commitment to ethical data practices make her an ideal Privacy Engineering Lead. She is driven by the mission to protect individuals' privacy rights in an increasingly digital world and is an invaluable asset to any organization seeking to enhance its data privacy posture.</p>
<p>Objective of the event: (in 100 words)</p>	<p>The objective of organizing an event titled "How are you exposing your information online?" is to raise awareness and educate individuals about the potential risks associated with their online presence. The event aims to delve into various aspects of digital security, privacy settings, and responsible online behaviour to empower participants with the knowledge and tools to safeguard their personal information. By exploring common pitfalls and sharing best practices, the event seeks to foster a culture of digital literacy, encouraging attendees to critically assess and manage their online activities. Ultimately, the objective is to equip participants with the skills necessary to navigate the digital landscape safely, protecting their privacy and mitigating potential cybersecurity threats.</p>
<p>Outcome of the event: (in 100-150 words)</p>	<p>The event addressing "How are you exposing your information online?" proved highly impactful, yielding significant outcomes for participants. Attendees gained a heightened awareness of potential online risks and vulnerabilities, developing a better understanding of the importance of digital security. The event not only provided practical insights into privacy settings and responsible online practices but also encouraged a proactive mindset towards safeguarding personal information. Participants left the event equipped with actionable strategies to protect their online identities and navigate the digital landscape more securely. The outcome of the event extends beyond individual participants, contributing to the broader cultivation of a digitally literate community that is more conscious and adept at managing their online presence, thereby fostering a safer and more secure digital environment for all.</p>
<p>Event Flyer/brochure</p>	<div style="text-align: center;"> <h2 style="color: #e91e63;">PrivacyTalks</h2> <p>Webinar:</p> <p>How are you exposing your information online?</p> <ul style="list-style-type: none"> • Heard of Cyberstalking? • Heard of Photo Morphing? • Have you ever experienced trailing Ads? <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>23rd April, 2022 11:30 am - 12:30 pm</p>  </div> <div style="text-align: center;">  <p>Igneta D'Souza Privacy Engineering Lead</p> </div> </div> <p> ZIROH Labs</p> </div>

Attendance Sheet:	NA
Recommended actions (If Any): (in 100 - 150 words)	<p>To build on the success of the "How are you exposing your information online?" event, several recommended actions can be implemented. Firstly, establish ongoing educational initiatives, such as regular webinars or workshops, to keep participants updated on the latest developments in cybersecurity and privacy. Create and share accessible resources, guides, and toolkits that empower individuals to implement best practices for digital security. Foster community engagement through online forums or social media groups, allowing participants to share insights, ask questions, and stay connected with the broader digital security community. Collaborate with cybersecurity experts and organizations to provide specialized training sessions or consultations for participants seeking more in-depth knowledge. Continuously gather feedback to tailor future events and resources to the evolving needs and concerns of the audience. These actions will contribute to a sustained impact, promoting a culture of digital safety and responsible online behavior among participants and the broader community.</p>
Expenses incurred:	NA
Revenue Generated if Any:	NA

Prepared By: Ms. Akhila

 Date: 25th April 2023

 Signature: *Akhila R.*

 Directorate of Corporate Relations and Career Services
 SRM University - AP, Andhra Pradesh.



Corporate Relations & Career Services <cr-cs@srmap.edu.in>

Webinar by Ziroh Labs: How Are You Exposing Your Information Online | Saturday 23rd April 2022 @ 11:30 AM to 12:30 PM

1 message

Corporate Relations & Career Services <cr-cs@srmap.edu.in>

Sat, Apr 23, 2022 at 9:14 AM

To: 2020 BTech Students <2020.btech@srmap.edu.in>, 2021 Btech Students <2021.btech@srmap.edu.in>, 2019.btech@srmap.edu.in, 2020 MTech Students <2020.mtech@srmap.edu.in>, 2021 MTech Students <2021.mtech@srmap.edu.in>, 2020 BSc Students <2020.bsc@srmap.edu.in>, 2019 BSc Students <2019.bsc@srmap.edu.in>

Cc: Vivekanandan M S <vivekanandan.m@srmap.edu.in>, Rangunathan T <rangunathan.t@srmap.edu.in>, Sunil Gottapu <sunil.g@srmap.edu.in>, Venkateswara Rao Paluri <venkateswararao.p@srmap.edu.in>

Dear Students,

This is to inform your all that our academic partner Ziroh Labs is conducting a webinar on "How are you exposing your information Online". Please find below webinar details and request all to join the session accordingly:

- **Heard of Cyberstalking?**
- **Heard of Photo morphing?**
- **Have you ever experienced trailing Ads?**

All these are the consequences of failing to protect information online. Therefore, **Digital Privacy is Important** even if you don't have anything to **hide**.

In this webinar, Igneta DSouza from Ziroh Labs, will shed light on how we are unconsciously **leaking** our details online and **endangering** ourselves.

Date	April 23 rd , 2022
Time	11:30 a.m. to 12:30 p.m.
By	Igneta DSouza
Registration	https://forms.gle/F1SLDB7t15y7a7Rw8

[Register now](#)

PrivacyTalks

Webinar:

How are you exposing your information online?



Heard of Cyberstalking?
Heard of Photo Morphing?
Have you ever experienced trailing Ads?

23rd April, 2022
11:30 am - 12:30 pm



Igneta DSouza
@igneta.dsouza

[Join Us](#)

CR & CS

SRM University - Andhra Pradesh

Neerukonda Village

Mangalagiri Mandal

Guntur district - 522502



PrivacyTalks

Webinar

How are you exposing your information online?

- What is phishing?
- How do Phishers work?
- How to avoid phishing attacks?



PrivacyTalks by Igneta DSouza from Ziroh Labs.png 4070K

23rd April 2023
11:30 AM - 12:30 PM



Igneta DSouza
@igneta.dsouza



Memorandum of Understanding

between

NIRT Renewable Energy Private Limited



and

SRM University-AP



This **Memorandum of Understanding** (hereinafter referred to as “**MoU**”) is made on 24.01.2022.

Between

NIRT Renewable Energy Private Limited (hereinafter referred to as “Industry”) a company incorporated under the laws of Tamil Nadu, India having its registered office at #104/7, Manivannan street, 3rd floor, SPC Bhawan, opposite to New Bus Stand, Salem – 636 004

And

SRM University -AP (hereinafter referred to as “Academia”) a private university established under the laws of Andhra Pradesh, India having its principal office at SRM University AP, Neerukonda, Mangalagiri Mandal, Guntur District, Mangalagiri, Andhra Pradesh 522 240.

WHEREAS,

Both Industry and Academia have expertise in their respective fields and would like to collaborate to achieve mutually beneficial goals.

Both Industry and Academia recognize the need for joint research, projects, development and training programs that can enhance knowledge, skills, and innovation.

This MoU sets out the terms and conditions under which Industry and Academia will work together to achieve their common objectives.



A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke at the end.

TERMS AND CONDITIONS:

Purpose:

The purpose of this MoU is to establish a collaborative partnership between Industry and Academia to promote research and development, training, knowledge transfer and technology commercialization for mutual benefit.

Collaboration:

Industry and Academia agree to collaborate on the following activities:

- Joint research and development projects
- Faculty and student exchange programs
- Joint workshops, seminars, and conferences
- Training programs for students and industry employees
- Technology transfer and commercialization
- Joint consultancy projects

Responsibilities:

Industry and Academia shall be responsible for the following:

Industry shall provide funding and technical support for research and development projects, workshops, seminars, and training programs.

Academia shall provide the necessary infrastructure, human resources, and expertise for research and development projects, training programs, and consultancy services.

Intellectual Property:

Intellectual property rights resulting from joint research and development projects shall be owned jointly by Industry and Academia. Both parties shall enter into separate agreements to define the terms of ownership, licensing, and commercialization of the intellectual property.



A handwritten signature in black ink, appearing to be "nn" followed by a stylized flourish.

Confidentiality:

Industry and Academia agree to maintain the confidentiality of any proprietary or confidential information that is exchanged between them during collaboration.

Term and Termination:

This MoU shall commence on date of signatures of both parties and shall remain in force for a period of Three (3) Years. Either party may terminate this MoU by giving written notice of termination to the other party with a prior notice of ninety (90) days before the intended date of termination.

Governing Law and Jurisdiction:

This MoU shall be governed by and construed in accordance with the laws of India. Any disputes arising out of or in connection with this MoU shall be resolved amicably through mutual discussion. In the event of any failure to resolve such dispute amicably, the dispute shall be resolved by arbitration in accordance with the rules of government. The place of arbitration shall be Andhra Pradesh, India. The language of arbitration shall be English.

IN WITNESS WHEREOF, the parties have executed this MoU as of the date and year first above written.

For NIRT Renewable Energy Pvt. Ltd.


Managing Director. 24/11/22

For NIRT Renewable Energy Private Limited:

Name: Sivakumar Mani

Mail Id: nirtinfo@gmail.com



For SRM University-AP:

Name: Dr. R. PREMKUMAR
REGISTRAR
Mail Id: SRM UNIVERSITY - AP
Andhra Pradesh - 522240





NIRT RENEWABLE ENERGY PRIVATE LIMITED

SOLAR | POWER TRADING | BIO GAS | SKILL TRAINING

Date: - 26/8/2022

To,

Dr. Karthik Rajendran
Assistant Professor
Department of Environmental Science
SRM University – AP
Andhra Pradesh – 522502

Sub: Request for industrial consultancy on the feasibility of Biogas up gradation in Salem Region, Tamilnadu.

Dear Dr.Karthik Rajendran,


We are planning to establish a biogas bottling plant from sago processing wastewater in Salem Region, Tamil Nadu. For the same we would like to know if this would be feasible. We request you to prepare a detailed project report with the following objectives

1. Techno economic analysis on the biogas up gradation to grid from sago wastewater
2. Identification of appropriate technology for biogas production and up gradation
3. Energy and economic benefit analysis of the existing sago and new biogas plant proposed.

The total project duration is 6 months from the acceptance of the receipt of this mail. However, we would like to have a periodical update bi-weekly update on the developments. The total cost of this project is Rs 1.00 Lakh including the consultation fees of Rs 10,000/- and other expenses such as travel, food and hospitality are included in the project cost, which will be given in-kind. Except consultation others will be bared in kind

We are looking towards long term collaboration with you!

With Regards


NIRT Renewable Energy Pvt. Ltd.



Registered Office:

#104/7, 3rd Floor, SPC Bhawan, Manivannan Street,
Opp New Bus Stand, Salem 636 004, Tamilnadu

M: +91 96 55 64 64 64 | nirtinfo@gmail.com
www.nirt.net | GST: 33AAF4764L1Z5

**SRM UNIVERSITY-AP****Neerukonda, Mangalagiri Mandal Guntur Dist.,
Andhra Pradesh-522502.****GSTIN37AASTS4359N1ZD****Tax Invoice****Bill To****Invoice No: SRMAP/046/2022-23****NIRT Renewable Energy Private Limited,
#104/7, Manivannan Street, 3rd Floor,
SPC Bhanwan, Opp New Bus Stand,
Salem Tamil Nadu - 636004.
GSTIN: 33AAFCN4764L1Z5****Date: 06-01-2023**

S.No	Service Discreption	HSN Code	Taxable Value	GST		Total
				CGST 9%	SGST 9%	
1	Consultant Fee	998312	30,000	2700.00	2700.00	35,400
	Total		30,000	2700.00	2700.00	35,400
				Total Amount Before Tax		30,000.00
				Tax Amount	CGST 9%	2,700.00
				Tax Amount	SGST 9%	2,700.00
				Total Amount After Tax		35,400.00
				Rounding Off		
				Grand Total		35,400.00

Rupees In words: Thirty Five thousand Four Hundred Only**Bank Account Details**

Account Name:	SRM University AP Amaravati
Bank Name:	Indian Bank
Current A/c No:	6645559621
IFSC Code:	IDIB000S297
Branch :	SRM University Campus Branch

Receiver Signature

For SRM University AP

Authorised Signatory



MEMORANDUM OF UNDERSTANDING
BETWEEN
SRM University AP
AND
UNIVERSIDAD AUSTRAL

The purpose of this non-binding Memorandum of Understanding ('MOU') between SRM University AP (SRM AP) and Universidad Austral is to foster academic exchange and cooperation between the two institutions.

1. Proposed collaborative activities

Both institutions agree to promote collaborative activities such as the following:

- i. Exchange of professors and research staff
- ii. Exchange of students
- iii. Short term programs
- iv. Double or joint degrees
- v. Joint research and meetings for research
- vi. Writing of study cases
- vii. Exchange of materials, publications and information

2. Subsequent memoranda of agreement

These activities are to be carried out after mutual consultation between the two institutions or the divisions concerned thereof. Normally both institutions will sign a Memorandum of Agreement ('MOA') setting out the responsibilities of each institution for the agreed activity and such other matters as the institutions agree are necessary for the efficient achievement of the activity. In particular, student exchanges shall be on a reciprocal basis and subject to a formal student exchange agreement signed by both institutions.

3. No agency

Nothing in this MOU gives rise to a relationship of agency between the parties.

4. Terms of renewal, amendment and termination


This agreement shall remain in force for a period of five (5) years from the date of the last signature, with the understanding that it may be terminated by either party giving a six-month notice to the other party in writing. An event of termination will not affect the operation of this agreement as it applies to participants undertaking activities at the host institution at the effective date of termination. This agreement will be considered renewed automatically for an equal period of time.


5. Legal effect

The terms of this MOU represent the current intentions of the parties as at the time of signing. Except for Sections 3, 4 and 5, this is not legally binding on the parties. For the avoidance of doubt, if there is any inconsistency between this MOU and any attached MOA, the terms and conditions of the MOA shall prevail.


Signed for and on behalf of:
SRM University AP
by its duly authorized officer

Signed for and on behalf of:
Universidad Austral
by its duly authorized officer



Prof Vajja Sambasiva Rao
Vice-Chancellor

01.01.22

Date



Julián Rodríguez, MBA
Rector

December 30, 2021

Date:

MEMORANDUM OF AGREEMENT
STUDENT EXCHANGE
ADDENDUM TO MEMORANDUM OF UNDERSTANDING
BETWEEN
SRM University AP
AND
UNIVERSIDAD AUSTRAL

This memorandum of Agreement ('MOA') for Student Exchange is an attachment to the Memorandum of Understanding ('MOU') between SRM University AP, Andhra Pradesh, India (SRM AP) and Universidad Austral regarding academic collaboration, and should be read in conjunction with the MOU. However, this MOA is legally binding independently of the MOU. If there is any inconsistency between the two documents, the terms and conditions of the MOA for Student Exchange shall prevail.

1. Definitions

In this agreement unless the context implies otherwise: "Exchange" shall mean a one-for-one exchange of students from each university; "Exchange Students" shall mean students participating in the student exchange programme; "home institution" shall mean the university at which the student intends to graduate; "host institution" shall mean the university which has agreed to receive the exchange students from the home institution and 'student exchange program shall mean the student exchange program established herein.

2. Schools/Departments/Colleges Involved

This agreement applies to the following schools at each institution:

- Universidad Austral: Facultad de Ingeniería, Facultad de Ciencias Empresariales, Escuela de Gobierno, Facultad de Ciencias Biomédicas
- **SRM University AP:** School of Engineering and Sciences & School of Liberal arts and Social Sciences

3. Number of Exchange Students

Each institution may accept under this programme not more than **2 (two)** full-year students or **4 (four)** semester places each year. The institutions undertake to balance the numbers of students from each institution over each 3 (three) year period. Either party may agree to grant additional places. This will be considered an exception, unless otherwise specified.

4. Study Abroad Students

In the case that the maximum number of exchange students has been reached in any given period and the circumstances do not allow one of the institutions to receive additional students on an exchange program, students who wish to study at any of the two partner institutions can be admitted as Study Abroad students. Study Abroad students are full tuition fee-paying students. Study Abroad students will have to pay tuition and all fees that apply to international students at the host campus. Tuition fees for Study Abroad students can be discounted if agreed between the two partner institutions. All other academic and non-academic rules and regulations that govern exchange students will also apply to Study Abroad students.

5. Status of Exchange Students

Each institution shall accept incoming exchange students as visiting, non-degree students (i.e., students who do not aim at obtaining a degree or other formal qualification from the host university).

6. Selection of Participants

The home institution will screen its applicants for the student exchange program in accordance with the home institution's program regulations and the host institution's entry standards. The host institution reserves the right to make final judgement on the admission of students nominated for the student exchange programme.

The following guidelines apply to all exchange students:

- a) Exchange students must have completed at least two years of tertiary studies prior to commencing studies at the host institution.
- b) The host institution may impose language requirements and/or other admission requirements.
- d) The host institution reserves the right to exclude students from restricted enrolment programmes.

7. Study Program

Each exchange student shall determine the study programme at the host institution in consultation with academic advisers of both the home and host institutions. Upon completion of the year or semester at the host institution, the exchange students must return to the home institution unless both parties have approved an extension of stay.

8. Academic Record and Accreditation

The host institution shall evaluate the academic performance of each exchange student according to its rules and shall send the home institution the academic record/transcript of each exchange student. The home institution may give credit to each student according to its regulations.

9. Finances

All exchange students must register/enrol and pay tuition and other fees to the home institution. They will not be required to pay tuition fee to the host institution.

Exchange students will be responsible for:

- a) Accommodation, meal and travel expenses;
- b) Medical insurance and medical expenses;
- c) Textbooks, clothing and personal expenses;
- d) Passport and visa costs;
- e) Fees applicable to some Spanish language courses;
- f) Non-compulsory incidental fees; and
- g) All other debts incurred during the period of exchange.

10. Responsibilities of SRM University AP

SRM University AP will agree to accept the prescribed number of exchange students, to enrol them as full time, non-degree students for the two regular semesters of the academic year or for one semester only (as applicable). SRM University AP will assist Universidad Austral students, as far as possible, in arranging accommodation; and will provide appropriate assistance in matters of health, language and local custom that may arise.

11. Responsibilities of Universidad Austral

Universidad Austral will agree to accept the prescribed number of exchange students, to enrol them as full time, non-degree students for the two regular semesters of the academic year or for one semester only (as applicable). Universidad Austral will assist the SRM University AP exchange students, as far as possible, in arranging accommodation; and will provide appropriate assistance in matters of health, language and local custom that may arise.

12. Responsibilities of Exchange Students

Exchange students will be responsible for:

- a) Abiding by the regulations, procedures, deadlines and requirements at both universities.
- b) Applying for and obtaining appropriate health insurance.
- c) Complying with the same academic and disciplinary regulations as other students attending the host institution, in addition to adhering to the home institution's standards of conduct.

13. Intellectual property

Ownership of intellectual property created by exchange students, as part of their enrolment at the host institution, will be governed by the law applicable to the host

institution. Both parties will allow the use of their logos according to the needs of the present contract and university policy.

14. Indemnity

Each party, to the extent allowed by applicable law, agrees to indemnify the other party against all expenses, losses, damages, costs, claims, suits and proceedings sustained or incurred by the other party as a direct or indirect result of a breach of this agreement by, or the negligence of, the first party or any act or omission of any of the first party's students who attend the other party's institution as an exchange student.

15. Data Protection

Both Universidad Austral and SRM University AP are independent data controllers with regard to personal data of their representatives and exchange students, which will be provided to each other during the performance of this agreement. Both parties take the personal data processing and protection very seriously and shall comply with the regulation (EU) 2016/679 of the European parliament and law 25.326 of the Argentinian Parliament and any other regulations related to them. Each data controller may receive personally identifying information: name, email, phone, address, personal and academic information of the exchange student as well as name, position, email, phone of the other party's representative.

This personal data may be used for:

- i. providing education related services to the exchange student;
- ii. providing accommodation related services to the exchange student;
- iii. performance of this agreement;
- iv. compliance with a legal obligation to which the data controller is subject;
- v. processing, if necessary, in order to protect the vital interests of the exchange student;
- vi. direct marketing activities (newsletters or sending letters about other activities that may be interesting for the exchange student).

Each data controller will ensure that any exchange student can easily opt-out from receiving any direct marketing communications from the university.

Each data controller warrants that:

- i. personal data will be processed lawfully, fairly and in a transparent manner in relation to the data subject;
- ii. personal data will be collected for specified, explicit and legitimate purposes and will be processed for in accordance with those purposes;
- iii. personal data collection will be limited to what is necessary to provide requested education services;
- iv. personal data will be accurate and, where necessary, kept up to date;
- v. personal data will be kept in a form which permits identification of data subjects for no longer than is necessary for the purposes for which the personal data is processed;
- vi. personal data will be processed in a manner that ensures appropriate security of the personal data, including protection against unauthorized or unlawful processing and against accidental loss, destruction or damage, using appropriate technical or organizational measures.



iii. As a general rule, personal data are processed for period of 10 years after the expiry of the contractual relations.

Each data controller will also ensure that access to the personal data is limited to:

- i. those employees who need access to the personal data to meet the data controller's obligations under this agreement;
- ii. its trusted third-party suppliers (data processors) who help the data controller to operate and run its internal IT systems and its services as long as they agree to keep personally-identifying information confidential and comply with applicable data protection laws.

Each data controller will require external third-party suppliers (data processors) to comply with these privacy terms or to guarantee at least the same level of protection when handling personal data. Such selected third parties shall process personal data on behalf of and in accordance with the instructions of the data controller; and a government institution which may require such personal data for the performance of a task carried out in the public interest or in the exercise of official authority vested to it.

16. Resolution of Disputes

Any dispute arising out of or in connection with this agreement that cannot be resolved between the exchange coordinators or other designated representatives shall be finally resolved by the President of SRM University AP and the President of Universidad Austral, or their respective nominees.

Option 1: In the event of any dispute regarding the performance of Universidad Austral's obligations under this Agreement the governing law shall be that of the Ordinary Civil Courts of the National Justice and the jurisdiction shall be the Ciudad Autónoma de Buenos Aires.

In the event of any dispute regarding the performance of SRM University AP obligations under this Agreement the governing law shall be that of High court of Andhra Pradesh and the jurisdiction shall be India.

Option 2: The parties hereby irrevocably submit to the non-exclusive jurisdiction of the courts where the student will be hosted for the purpose of hearing and determining any dispute arising out of or in connection with this agreement or its formation of validity and for the purpose of enforcement of any judgment against their respective assets.

17. No agency


Nothing in this agreement gives rise to a relationship of agency between the parties.


18. Terms of renewal, amendment and termination

This agreement shall remain in force for a period of **5 (five)** years from the date of the last signature, and it will be considered automatically renewed upon its termination date. Either party may terminate the agreement at any time, giving six months' notice to the other party in writing. An event of termination will not affect the operation of this agreement as it applies to participants undertaking activities at the host institution at the effective date of termination. This agreement may be amended by the exchange of letters between the two parties. Such amendments, once approved by the parties, will become part of this agreement.


Signed for and on behalf of:
SRM University AP
by its duly authorized officer

Signed for and on behalf of:
Universidad Austral
by its duly authorized officer



Prof Vajja Sambasiva Rao
Vice-Chancellor

11.01.22

Date:

Julián Rodríguez, MBA
Rector


Date: December 30, 2021

Dear Students,

Universidad Austral, Argentina: Semester Abroad Program (SAP) Spring 2023 (February - May 2023)

We are delighted to invite students to apply for a semester abroad program at **Universidad Austral, Argentina** for Spring 2023 semester (February - May 2023).

Universidad Austral, Argentina		1 \$ ≈ 80 INR
Costs	USD \$	Rs Lacs
Tuitions Fee	Waived Off	Waived Off
Living Expenses (including accommodation, food, health insurance books)	4000	3.20
Travel	3,750	3.00
Others	375	.30
Net amount	8,125	6.50

The net cost would be close Rs 6 - 7 lacs which broadly includes the host university tuition fee, health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this email carefully and only apply if you fit the criteria and interested.

Eligibility Criteria (All mandatory):

1. **BBA.** – Students studying in the 2nd year.
2. **CGPA > 8**
3. No standing backlogs in the courses

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

Please submit your application through SRMAP Student Portal by no later than Thursday, 1 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmap.edu.in

For any technical support, please write to itkm.helpdesk@srmap.edu.in

The shortlisted candidates will be called for interviews in due course.

Semester Abroad Program (SAP) - Spring 2024

"Make your January to June Semester International".



Argentina

*Last date to Apply (SRM AP Student Portal) – **September 23, 2023**

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accomo.)	Total Cost (Approx)
1	Universidad Austral	432	2022	4	Bachelor of Business Administration		8	Waived Off	6,00,000	6,00,000

*Student applying to SAP should have **NO** existing backlog.

*Please submit your application through SRMAP Student Portal by no later than Saturday, 23 September 2023. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.



MEMORANDUM OF UNDERSTANDING

BETWEEN

SRM UNIVERSITY - AP
AND
Cyprus West University - CWU

SRM University - AP, located at Mangalagiri Neerukonda Tadikonda Rd, Mangalagiri, Mandal, Andhra Pradesh 522502, and Cyprus West University, Ismet Inonu Blv. No: 29, Famagusta, 99450, North Cyprus, hereby agree to foster academic exchange and cooperation between the two institutions.

SCOPE OF COOPERATION

Subject to mutual consent, the areas of cooperation will include any program offered by either institution as felt desirable and feasible on either side and that contributes to fostering and development of the cooperative relationship between the two universities.

Cooperation may be carried out through such activities as:

- Exchange of faculty and/or staff.
- Exchange of graduate and/or undergraduate students.
- Exchange of scientific materials, publications, and information.
- Exchange of cultural activities
- Joint conferences and academic programs.
- Joint research activities and publications.

These activities are to be carried out after mutual consultation between the two institutions or the divisions concerned thereof. Normally each institution will sign a letter of agreement setting out the responsibilities of each institution for the agreed activity and such other matters as the institutions agree are necessary for the efficient achievement of the activity.

ADMINISTRATIVE RESPONSIBILITY

The Office for International Relations and Higher Studies at SRM University AP and the Global Partnerships & Strategic Initiatives at Cyprus West University shall serve as coordinators of this agreement at their respective universities. Notification of any change in liaison officers may be made by letter.

AMENDMENTS, RENEWAL, AND TERMINATION

This Memorandum of Understanding may be modified through the mutual discussion and consent of the two universities and shall remain in effect from the date of signature for an initial period of five years. Thereafter it shall be automatically renewed each year; however, after the initial period either university may terminate the agreement by giving six months written notice of such intent.

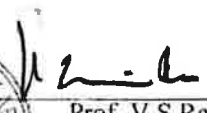


In Witness of the terms of this agreement, our signatures are affixed:

Cyprus West University

SRM University - AP


Arif Rahman
President
Division of Strategic Planning & International Relation


Prof. V.S. Rao
Vice Chancellor

Date

21.12.2021

Date

11.01.2022

Dear Students,

Cyprus West University, Turkey: Semester Abroad Program (SAP) Spring 2023 (February - May 2023)

We are delighted to invite students to apply for a semester abroad at **Cyprus West University, Turkey** for Spring 2023 semester (February - May 2023).

Cyprus West University, Turkey	1\$ ≈ 80 INR	
Costs	USD \$	INR Rs
Tuitions Fee (this is maximum and could reduce depending on credits)	2000	1.60
Living Expenses	1500	1.20
Travel	1250	1.00
Others (Activity fee, Student Service fee, UPASS fee, New Student fee, course fee, health insurance)	875	.70
Net amount	5625	4.50

The net cost would be close to Rs 5 - 6 lacs which broadly includes the host university tuition fee (waived off), health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this email carefully and only apply if you fit the criteria and are interested.

Eligibility Criteria (All mandatory):

1. **B.Tech.** Students who are from the branches of engineering (Computer Engineering, Electrical and Electronics Engineering) currently in their 3rd year.
BBA- Students who are currently in their 2nd year.
2. CGPA > 8.
3. No standing backlogs in the courses

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

Please submit your application through SRMAP Student Portal by no later than Sunday, 25 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmmap.edu.in

For any technical support, please write to itkm.helpdesk@srmmap.edu.in

The shortlisted candidates will be called for interviews in due course.



सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

Rs. 200

e-Stamp

Certificate No. : IN-KA01404072207184T
Certificate Issued Date : 12-Apr-2021 04:42 PM
Account Reference : NONACC (FI) kaocrs108/ KORAMANGALA3/ KA-BA
Unique Doc. Reference : SUBIN-KAKACRSFL0873772980409340T
Purchased by : TITAN COMPANY LIMITED
Description of Document : Article 12 Bond
Description : RESEARCH AND DEVELOPMENT AGREEMENT
Consideration Price (Rs.) : 0
 (Zero)
First Party : TITAN COMPANY LIMITED
Second Party : SRM UNIVERSITY AP ANDHRA PRADESH
Stamp Duty Paid By : TITAN COMPANY LIMITED
Stamp Duty Amount(Rs.) : 200
 (Two Hundred only)

Authorised Signatory
 Karnataka SDGM ZEP Society Ltd
 # 867 Hosa Road, Opp. Chennakeshava
 School, Bangalore-560 100
 Mob 9035304846



Please write or type below this line

RESEARCH AND DEVELOPMENT AGREEMENT

This Research and Development Agreement (hereinafter the "Agreement") is executed on this the 12th day of April, 2021 at Bangalore between:

TITAN COMPANY LIMITED, company incorporated under the Companies Act, 1956 having its registered office at No. 3 SIPCOT Industrial Complex, Hosur 635 126 and its corporate office at "Integrity", No. 193, Veerasandra, Electronics City P.O., Off Hosur Main Road, Dargalore 560100 (hereinafter referred



Page 1 of 26

**Statutory Alert:**

1. The authenticity of the Stamp certificate should be verified at www.kgstamp.com using a valid Aadhar/ PAN card or Airtel Number.
2. The stamp certificate is valid only if it is issued on the date of the certificate.
3. In case of any discrepancy, please inform the Competent Authority.

to as "Titan", which expression shall, unless repugnant to the context or meaning thereof, include its successors and assigns) OF THE FIRST PART

And

SRM UNIVERSITY - AP, ANDHRA PRADESH, an University established under the Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016 through SRM Trust, having its registered office and address at Neerukonda, Mangalagiri, Guntur District, Andhra Pradesh-522 502 (hereinafter referred to as the "Institute", which expression shall, unless repugnant to the context or meaning thereof, include its successors and permitted assigns and represented by its duly authorized representative OF THE OTHER PART

Titan and the Institute are hereinafter collectively referred to as "Parties" and individually as a "Party", where the context may so require.

WHEREAS

- A. Titan is inter alia engaged in the business of manufacturing, marketing and retail of watches, jewellery, eyewear and other lifestyle products through an effective retail network.
- B. The Institute is engaged in imparting Higher Education and Research & Development.
- C. The Institute has represented that it has the expertise and the facilities to carry out research and development of process/method for "Closed cell gold foams for jewellery application"
- D. Based on the representation given by the Institute, Titan has agreed to work with the Institute on the Project.
- E. The Parties have agreed to enter into an agreement in the terms and conditions hereof

NOW IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

1. DEFINITIONS:

1.1. In this Agreement, unless the context otherwise requires or unless otherwise defined or provided for herein, the capitalized terms used in this Agreement shall have the following meaning:

"Applicable Laws" means, all laws, promulgated or brought into force in India; including the regulations and rules made there under and judgments, decrees, injunctions, writs or orders of any Court, as may be in force and effect during the subsistence of this Agreement and/or thereafter.

"Confidential Information" shall mean inter alia, this Agreement any information related to the business of Titan or its Affiliates, whether communicated in writing, orally, electronically or by other and whether or not marked as confidential. means without limitation, (i) any idea, proposal, plan, information, procedure, technique, formula, technology or method of operation, any written or oral information of a proprietary nature, and any intellectual property owned or licensed by Titan or relating to the business, projects, operations, finances, activities or affairs of Titan or any of their principals or affiliates, whether of a technical nature or not (including trade secrets, know-how, processes, and other technical or business information), or any proposed change thereto, (ii) any



information in connection with or related to negotiations or discussions between or including Titan and the Institute with respect to the purpose or the relationship including without limitation the Project, the Deliverables, any and all other information, materials, reports, results developed or generated in connection with or arising out of the Project; (iii) this Agreement (iv) any other information that the Institute knows or should know that Titan wishes to keep confidential. By way of illustration, but not limitation, Confidential Information includes, without limitation, any and all information, whether written, oral or otherwise, concerning the business, operations, prospects, finances, or other affairs of Titan, its Affiliates, associates or subsidiaries which includes, without limitation, any commercial, financial, technical or operational information, product specifications, data, analysis, formulae, discoveries, operational methods, compilations, notes, extracts, materials, reports, drawings, design specifications, graphs, charts, studies, devices, know-how, inventions, compositions, designs, manufacturing plans, work in process, computer software and technologies, systems, product development techniques or plans, structures, architectures, sketches, photographs, drawings, past, current, and planned research and development, current and planned marketing or distribution methods and processes, products and services (existing or planned), projects, technology, finances (including revenue projections, cost summaries, pricing formulae), clientele, current and anticipated customer requirements, markets, market studies, or those of its clients or customers, or any existing or future plans, market opportunities, forecasts or strategies in respect thereof; together with any ideas, concepts, formulas, methods, know how, trade secrets, designs, research, development or improvements, specifications, techniques, processes, algorithms, schematics, samples, computer programs, source codes, testing procedures, software design and architecture, computer code, internal documentation, design and function specifications, service and technical records, service strategies or operational techniques, methods or policies, product requirements, problem reports, analysis and performance information; customer lists, details of customers or suppliers, information relating to persons employed; or any other data of any kind relating to or created by one party for the other or which is derived from, contains, refers, reflects or leads to any of the above and also includes all notes, analyses, compilations, studies, summaries, and other material prepared by the Institute containing or based, in whole or in part, on any information included in the foregoing. It also includes (a) the software; (b) any personally identifiable data or information regarding any employee/person receiving benefits from Titan; (c) any and all information disclosed by Titan to the Institute.

"Deliverables" shall have the meaning ascribed to it in Clause 2.

"Intellectual Property Rights" means all intellectual property, including patents, inventions (whether or not patentable and whether or not reduced to practice), utility models, trade and service marks, trade names and the goodwill associated therewith, domain names, right in designs, copyrights, rights in databases, proprietary rights, technical, commercial or financial information of a proprietary or confidential nature (including without limitation client proposals, client information, technical and computer data and software), trade secrets and know-how, in all cases whether or not registered or registrable and including registrations and applications for registration or renewal of any of these, and all rights to apply for the same, rights to receive equitable remuneration in respect of any of these and all rights and forms of protection of a similar nature or having equivalent or similar effect to any of these anywhere in the world.

Handwritten signature



1.2. Headings and bold typeface are only for convenience and shall be ignored for the purposes of interpretation.

1.3. Unless the context of this Agreement otherwise requires:

- (i) words using the singular or plural number also include the plural or singular number, respectively;
- (ii) words of any gender are deemed to include the other gender;
- (iii) the terms "hereof", "herein", "hereby", "hereto" and derivative or similar words refer to this entire Agreement or specified Sections of this Agreement, as the case may be;
- (iv) the term "Clause" refers to the specified Clause of this Agreement;
- (v) reference to any legislation or law or to any provision thereof shall include references to any such law as it may, after the date hereof, from time to time, be amended, supplemented or re enacted, and any reference to statutory provision shall include any subordinate legislation made from time to time under that provision;
- (vi) reference to the word "include" shall be construed without limitation; and

2. PROJECT AND SCOPE OF WORK

2.1. Titan and the Institute shall collaborate on the projects. The proposed project is to develop a process/method for Closed cell gold foams for jewellery application. The Institute shall during the Term of this Agreement carry out the research and development along with Titan in accordance with the Scope of Work attached as Annexure-I to this Agreement ("Project"). It is agreed between the Parties that the Project will be carried out and implemented at SRM University - AP. The outcome of the Project to be performed by the Institute for Titan as mentioned in Annexure I to this Agreement shall be referred to as "Deliverables".

2.2. Titan shall have the right at any time to make changes in the Project research direction, content or schedule being conducted under this Agreement. Both Parties shall agree to such changes in writing.

2.3. This work on the Project and the Deliverables to be provided as detailed in Annexure-I shall be carried out by at least one (1) Professor and one (1) Senior Research Fellow. Details of the persons involved in this Project have been specified in Annexure-I of this Agreement.

3. TERM

This Agreement shall come in to effect on the 15th day of April 2021 ("Effective Date") and shall in remain valid for One year ("Term") unless terminated in accordance with the terms of this Agreement. This Agreement may be renewed at the sole discretion of Titan.

4. CONSIDERATION AND TERMS OF PAYMENT

The terms of payment and the consideration amount have been specified in Annexure-II of this Agreement.

5. OBLIGATIONS OF THE INSTITUTE



- 5.1. The Institute shall work on the Project in accordance with the standard of utmost care, skill and diligence required for working on the same or similar projects of similar nature, size and complexity. The Institute shall be solely responsible for its acts and omissions.
- 5.2. The Institute shall provide Titan with the details of their authorised representative who shall be a single point of contact for the Project. The Institute shall also provide the details of the persons involved in the Project. The Institute shall notify in writing, in the event of any change in the persons involved in the Project.
- 5.3. The Institute agrees to comply with the timeline of the Project, consistent with the terms of this Agreement.
- 5.4. The Institute shall comply with all Applicable Laws, codes, and regulations, and on Titan's request, shall make available all the documents pertaining to the compliance with the relevant laws.
- 5.5. The Institute shall obtain all requisite approval, clearances, permits, licenses or other authorizations for the carrying out its obligations under this Agreement.
- 5.6. While developing the Deliverable, related environmental factors including without limitation, power utilization, material optimization and use of hazardous substances, emission etc., shall be given utmost importance
- 5.7. The Institute shall at all times adhere to the safety standards and practices. And also the related environmental factors shall be considered and addressed.
- 5.8. Institute agrees and acknowledges that Titan will provide equipment worth of Rupees Ten lakhs for the purpose of conducting research under this Agreement. It shall be the obligation of the Institute to maintain all the equipments in working condition and return the equipment to Titan on completion of the Project along with Deliverables. All facilities, precious metals & stones (Gold, Silver etc), tools, equipments, materials, drawings of any kind, computer software, documents, data of every description furnished to the Institute by Titan shall be and remain the property of Titan. Further, the Institute shall at all times be responsible for the safety and maintenance of all the facilities provided by Titan.
- 5.9. In the event the Project is delayed for any reason, the Institute shall perform the work under a revised time schedule and costs schedule, if any with the prior approval of Titan.
- 5.10. The Institute shall submit reports from time to time as and when requested by Titan. The Institute shall provide Titan with written progress reports on the Project on a schedule agreed to by the Parties and as specified in Annexure-I of this Agreement. In addition, the Institute shall provide Titan with a complete final written report on the Project containing all pertinent data, drawings, operation instructions and other relevant information resulting from this Agreement within thirty (30) days of completion of the Project or termination of this Agreement.
- 5.11. Titan shall have the right to audit pertinent books and records of the Institute that relate to the Project under this Agreement, and to make reasonable inspections upon prior intimation of the Institute's facilities to verify compliance with terms herein upon reasonable prior notice and during reasonable business hours. The Institute shall enable Titan and/or its authorised representatives to carry out such audits and render its support and cooperation in this regard.
- 5.12. Institute shall be obligated to maintain record of all the stock of precious metals and stones (Diamond, Gold, Silver etc) delivered by Titan for the Project and shall confirm the quantity of precious metals and stones received in writing to Titan. Titan shall have the right to audit the books and records and the underlying stock of precious metals and stones provided to Institute. During any audit or inspection of precious metals, Institute shall prove loss and use of any precious metals and preserve all the alloy or deformed alloy of metals used in the experiments and same shall be furnished and handed over to



Titan on demand. If at any stage during the audit it is found by Titan that the Gold or any precious metals are returned by Institute is less than the permissible limit prescribed in Annexure-I of this Agreement in that that event Titan reserves it rights to set off/deduct from the amounts due or payable towards the Project to Institute under this Agreement as per the prevailing market gold rates without effecting and limiting its rights to proceed with any other remedy in law or under this Agreement.

- 5.13. Institute shall ensure that in the event any of the Professors and/or Research fellows during the term of this Project leaves or parts way or separates for any reason from the Institute, Institute shall appoint appropriate talented and equally skilled Professor/Research fellow in consultation with Titan within 15 days from the date when such information is first known to the Institute to avoid delay in the Project.

6. REPRESENTATIONS AND WARRANTIES

The Institute represents, agrees, covenants, undertakes and confirms that:

- 6.1. It has all requisite power and authority to execute and deliver this Agreement and has all necessary power and authority to perform the obligations as set out herein;
- 6.2. The entering into of this Agreement will not result in the violation of any constitutional documents of the Institute or the terms and provisions of any agreement, written or oral, to which the Institute may be a party to
- 6.3. When this Agreement is duly executed and delivered by the Institute, it will constitute a legal and binding obligation on the Institute enforceable in accordance with its terms;
- 6.4. During the Term, the Institute agrees to comply with all Applicable Laws.
- 6.5. It is an expert in the performance of its obligations under this Agreement.
- 6.6. It understands Titan's specific requirements with respect to the Project.
- 6.7. It has the requisite expertise and competence to carry out the Project under this Agreement and complete the Project in the manner required by Titan.
- 6.8. The Deliverables and/or all other material/ information generated by it under this Agreement, shall not infringe any Intellectual Property Rights including without limitation patent, copyright, trade secret or proprietary right of any third party.

7. CONFIDENTIALITY

- 7.1. The Institute shall hold in strict confidence all Confidential Information including but not limited to the Project, Deliverables obtained or received or any other information created/generated/developed by the Institute during the performance of its obligations under this Agreement. The Institute shall not disclose the Confidential Information to any other person without the prior written consent of Titan.
- 7.2. The Institute undertakes to protect the Confidential Information from any unauthorized use, access, or disclosure in the same manner as the Institute protects its own confidential information of a similar nature and with no less than reasonable care.
- 7.3. Further, unless prior written consent of Titan is obtained, the Institute shall not use the Confidential Information for any purpose other than the purpose contemplated under this Agreement.
- 7.4. No public release of information or advertisement or announcement or disclosure shall be made by the Institute regarding this Agreement unless it has obtained the prior written consent of Titan.
- 7.5. The obligation under this Clause shall survive during the Term of this Agreement and thereafter post the termination or expiry of the Agreement.

8. PUBLICATIONS

- 8.1. The Institute and the concerned Professor shall under no circumstances publish in any form, including without limitation, through print or electronic medium, the results of the Project or details of the



Deliverables or any other materials, information in relation to the Project without the prior written consent of Titan.

9. INTELLECTUAL PROPERTY RIGHTS

- 9.1. The Institute represents and undertakes that all the Intellectual property Rights in the Deliverables or materials, information generated by the Institute under this Agreement for the Project shall be solely created by the Institute for Titan and that the Deliverables so created shall not infringe any third party's Intellectual Property Rights. The Institute shall defend and indemnify Titan against all Intellectual Property Rights infringement by the Institute. The Institute acknowledges the importance and the implications of the Deliverables and represents that they being an expert in designing, experimenting and developing, while performing its obligations under this Agreement, shall ensure that all Deliverables are in compliance with statutory provisions and not violating any industry specific provision of law or regulation from time to time
- 9.2. The Institute accepts and agrees that Titan shall exclusively own any and all Intellectual Property Rights generated, created and/or developed under this Agreement, including without limitation any Intellectual Property whether registrable or unregistered associated in respect of the Project, the Deliverables or any works, designs, process, methods, specifications other documents prepared by the Institute in relation to the Project under this Agreement. The Institute shall under no circumstances claim any right, title or ownership of the Intellectual Property Rights generated under this Agreement.
- 9.3. Titan shall have the exclusive right to make, have made, use, or sell, without further payment, the research results or Project results generated by the Institute from work performed under this Agreement.
- 9.4. It is agreed by the Parties that while filing any application for registering any Intellectual Property generated under this Agreement, the name of the Professor/Research Associate/Student of the Institute will be mentioned as the inventor after obtaining all relevant documents in this regard. However, nothing contained herein shall create or purport to create any right, title or ownership in the Intellectual Property so generated in favour of the Institute and it is further agreed by the Institute that Titan shall exclusively own any and all Intellectual Property Rights generated, created and/or developed under this Agreement.
- 9.5. The Institute hereby assigns, transfers and conveys to Titan, without any additional cost or fees cost with full title guarantee and with effect from the date of this Agreement (or, in the case of materials not yet in existence, with effect from the creation thereof) and notwithstanding the completion or abandonment or termination or expiry of this Agreement, common law, statutory and other reserved rights, including the Intellectual Property Rights, in the Institute's materials, Project and/or the Deliverables which have been developed by the Institute for the Project or are hereafter prepared by or on behalf of the Institute in the course of or for the purposes of performing its obligations under this Agreement to Titan.
- 9.6. The Institute shall execute or cause to execute any and all further documents and take any and all other actions in order to perfect the rights of Titan as required by this Clause 9.
- 9.7. Titan shall retain all common law, statutory and other reserved rights, including the Intellectual Property Rights in all drawings, plans, designs, programmes, diagrams, specifications, technical data, software, models, reports, calculations, documents or other items or materials created by or on behalf of Titan and that are provided by or behalf of Titan to Institute for the performance of the Services.
- 9.8. The existing Intellectual Property Rights of Titan including without limitation, the trademarks, patents, copyrights, designs, goodwill, market reputation etc. shall at all times remain vested in Titan and in no circumstances shall the Institute claim any right, and/or use the Intellectual Property of Titan under the pretext of this Agreement, without the prior written consent of Titan.
- 9.9. The Institute shall not, either directly or indirectly through any third-party, replicate, decompile, disassemble, reverse engineer (or attempt any of the foregoing), any Intellectual Property of Titan or the Intellectual Property generated under this Agreement.



- 9.10. Titan will within One (1) year from the date of receipt of the Project report along with Deliverables inform Institute of its intention to register the Intellectual Property in the Project and /or Deliverables after conducting factory trials and improvements if any required in the outcome of the Project and/or Deliverables. In such an event, Institute and the concerned Professor (inventor) shall coordinate and support Titan in filing for Patent with appropriate granting authority. Institute and the Professor shall not publish or disclose in any form to any person about such Project or Deliverables until the same is published in patent Journal or any official journal of the Intellectual Property granting authority after submitting such application to appropriate Intellectual Property granting authority. Titan will pay Institute an amount of INR 10,00,000 (Rupees Ten Lakhs Only) towards the efforts as honorarium ("Honorarium") in several proportion towards various stages of registration and grant of the patent as more fully described in Annexure-II of this Agreement. The cost for registration of Intellectual Property shall be to the account of Titan. The aforesaid payment of Honorarium is contingent and is payable only as per manner and proportions prescribed in Annexure-II of this Agreement.
- 9.11. In the event Titan informs in writing to Institute of its disinterest to proceed with registration of Intellectual Property, Titan in its sole discretion may along with Institute and the Professor (inventor) publish results of Project report and/or Deliverables subject to the condition that such publication shall not affect the commercial and/or business operations of Titan.

10. INDEMNITY

- 10.1. The Institute hereby holds harmless and indemnifies Titan and its directors, officers, employees, agents from and against any and all claims including third party claims, costs, damages, fines, losses, liabilities and expenses (including attorney's fees) during the term of this Agreement and thereafter arising out of or in connection with:
- 10.1.1 The Institute committing any breach and/or contravention of its contractual obligations or its representations and warranties or the Applicable Laws;
- 10.1.2 Any act of commission or omission, and/or default, willful misconduct, negligence on the part of the Institute and / or its personnel;
- 10.1.3 Any death or illness of or injury to any person and/or the loss of or damage to any property arising out of or in connection with any act or default of the Institute and / or its personnel;
- 10.1.4 Infringement or violation of any Intellectual Property Rights of third parties or disclosure of any Confidential Information; and
- 10.1.5 Any breach of terms and conditions of this Agreement.

11. TERMINATION

11.1. Termination for breach by the Institute

Titan shall be entitled to terminate this Agreement forthwith if:

- 11.1.1 The Institute, without reasonable cause, fails to perform its obligations as stipulated herein;
- 11.1.2 The Institute subcontracts the whole or assigns this Agreement or its obligations under this Agreement, without the required agreement / consent of Titan; or



11.1.3 The Institute fails to commence the Project or make progress such that it fails to meet the time schedule agreed to under this Agreement, or abandons the Project or plainly demonstrates an intention not to continue performance under this Agreement; or

11.1.4 The Institute is in breach of its obligations under this Agreement, and, if capable of remedy, is not remedied by the Institute within fifteen (15) days from the date of notice calling upon the Institute to rectify the breach.

11.1.5 The Institute is in breach of its obligations under clause 7. Confidentiality, 8. Publications, 9. Intellectual Property Rights, 10. Indemnity.

11.2. Termination for Convenience

Titan may terminate this Agreement by giving thirty (30) days' prior written notice to the Institute, without assigning any reason thereof.

11.3. Termination due to Force Majeure

This Agreement may be terminated by Titan due to the occurrence of any force majeure event and such force majeure event continues for more than thirty (30) consecutive days.

11.4. Consequences of Termination

The Institute shall, upon termination of this Agreement:

11.4.1 Immediately discontinue the performance of its obligations on the date and to the extent specified in the notice;

11.4.2 Hand over to Titan all Deliverables, Confidential Information, documents, designs, etc., prepared by the Institute under this Agreement, whether complete or in progress;

11.4.3 Hand over all documents, information, materials, items and facilities provided by Titan in connection with this Agreement; and

11.5. The Institute shall pay any costs and damages incurred or suffered by Titan as a result of its default within seven (7) days of a written demand therefor, from Titan. Titan may at its option call upon any securities and guarantees provided to Titan pursuant to this Agreement, if any, for any such amount.

11.6. The rights of Titan to terminate this Agreement as aforesaid is without prejudice to its other rights, powers and remedies available at law or under contract. Termination of this Agreement shall not prejudice or affect the accrued rights, claims and liabilities of the Parties.

12. NOTICE

Any notices to be given hereunder by either Party to the other may be effected either by personal delivery or by mail, registered or certified, postage prepaid with return receipt requested. Mailed



notices shall be addressed to the respective Parties at their addresses mentioned below, but each Party may change that address by prior written notice in accordance with this paragraph.

To TITAN

Titan Company Limited

"Integrity"

No. 193 Veerasandra,

Electronics City P.O.,

Off Hosur Main Road,

Bangalore 560100

Kind Attention: H Raghobhman, Group Manager

To The Institute

SRM UNIVERSITY - AP, ANDHRA PRADESH

Neerukonda,

Mangalagiri,

Guntur District,

Andhra Pradesh-522 502

Kind Attention: Pro Vice-Chancellor

13. GOVERNING LAW AND JURISDICTION

This Agreement shall be governed by and construed in accordance with the laws of India. All disputes, differences and claims that may arise between the Parties hereto or their respective representatives or permitted assigns or any of them in regard to these presents or its subject matter and / or interpretation thereof in any way whatsoever shall be subject to the exclusive jurisdiction of the Courts at Bangalore.

14. MISCELLANEOUS PROVISIONS

14.1 Force Majeure

Neither Party is in breach of any of the provisions of this Agreement for any cessation, interruption or delay in the performance of its obligations hereunder due to causes beyond its reasonable control such as, earthquake, flood, fire, storm, or other natural disaster, act of God, labour controversy or threat thereof, riots, civil disturbance or commotion, terrorism, disruption of the public markets, war, sabotage, or armed conflict (collectively referred to as "Force Majeure"). If the Force Majeure event continues unabated for an uninterrupted period of thirty (30) days, then Titan shall have the right to terminate this Agreement by notice in writing to the other Party, whereupon this Agreement shall stand terminated.

14.2 Assignment



Neither Party shall assign this Agreement without the prior written consent of the other Party. This Agreement shall be binding upon and inure to the benefit of the Parties hereto and their respective successors and permitted assigns.

14.3 Entire Agreement

This Agreement constitutes the entire understanding between the Parties, and no representations other than those provided herein, have been relied upon by the Parties. This Agreement supersedes any previous understandings and agreements between the Parties, whether oral or in writing regarding the subject matter hereof.

14.4 Amendments

This Agreement shall not be amended, altered, discharged or varied except by an agreement in writing signed by both the Parties.

14.5 Waiver

Neither Party shall be deemed to have waived off any of its rights under this Agreement unless such waiver is in writing and signed by an authorized representative of the Party waiving said right specifically referencing this Agreement and the provision(s) herein to be waived. A waiver on any one occasion shall not be construed as a waiver of any right or remedy for any future occasion. No delay on the part of a Party in exercising any right, power or privilege hereunder shall operate as a waiver thereof. The rights and remedies herein provided are cumulative, and are not exclusive of any rights or remedies, which the Parties may otherwise have at law or in equity.

14.6 Severability

All of the provisions of this Agreement shall be considered as separate terms and conditions and in the event any provision shall be held void, voidable, or otherwise unenforceable by any court of competent jurisdiction, all the other terms, conditions, and provisions contained herein shall remain in full force and effect. Upon any material provision hereof, being held invalid, rendered unable to be performed or prohibited by the law, the validity of the remaining provisions shall not thereby be affected, and the Parties shall negotiate in good faith in order to agree to the terms of a mutually satisfactory provision achieving as nearly as possible the same commercial effect, to be substituted for the provision so found to be invalid, rendered unable to be performed or prohibited as above.

14.7 Relationship of Parties

The Parties are independent contractors and nothing contained in this Agreement shall be deemed to create an employer-employee, principal-agent, joint venture or any other relationship between the Parties.

14.8 Survival







Any term of this Agreement, which by their nature extend beyond this Agreement's expiration or termination, as the case may be, will remain in full effect until fulfilled.

14.9 Counterparts

This Agreement may be executed in two (2) counterparts and each of which shall constitute the original but both of which when taken together shall constitute one and the same agreement.

IN WITNESSES WHEREOF, the Parties have signed this Agreement on the date, month and year first above written in the presence of the following witnesses:

<p>For and on behalf of the 'Titan' Titan Company Limited</p> <p> (Authorized signatory)</p> <p></p> <p>Name: Satish S</p> <p>Designation: General Manager</p> <p>Witnesses 1.  Name: E.L. Mallanagoudar Titan Company Ltd Address: 'Integrity' 193 Electronic City</p>	<p>For and on behalf of the 'Institute' SRM University - AP, Andhra Pradesh</p> <p> (Authorized signatory)</p> <p>Name: Prof D Narayana Rao</p> <p>Designation: Pro Vice-Chancellor</p> <p>Witnesses 2. Name: Address:</p>
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ANNEXURE-I
SCOPE OF WORK AND DELIVERABLES

Title of the Project: Development of Closed cell gold foams for jewellery application.

1. Aim & Scope

Gold foams is a novel and attractive technology that finds potential in ultra-light weight jewellery application. Institutes proposed work aims to develop a process to foam gold by molten metal route. The foaming process is systematically studies and the process parameter are optimized to produce closed cell gold foams with low density, high pore volume and better pore structure. But closed cell foaming of gold is difficult due to its higher melting point and larger surface tension. Institute proposes to produce closed cell gold foams by direct foaming of the viscous molten gold by the addition of blowing agent. The viscosity will be induced into the molten Gold (Au) by adding thickening agents or the stabilizing particles. The process optimization to obtain better foamability in gold will also retain the colour, luster and desired purity.

The foaming experiments will be done in lab scale where the process parameters to obtain better foaming in gold will be studied. In industry the gold foams products of various design with optimized size and thickness will be produced using both casting and hand-made techniques. In that connection other essential processes such as joining, machining, polishing of the gold foam will also be studied.

1. Objectives

Phase I: Lab study

Development of foaming process for closed cell gold foam

- a) Theoretical study of the surface tension and viscosity of Gold and gold alloys using theoretical tool.
- b) Building a table top - vertical stir casting setup for foaming molten gold by the addition of blowing agent.
- c) Choosing alloying elements and composition to obtain desired purity of gold, color, viscosity enhancement and surface tension modifier and other physical properties.
- d) Optimization of foaming parameters - such as foaming temperature, time, way of freezing.
- e) Optimization of blowing agents and their addition level, stirring time and speed, in molten gold and their effect on the color of gold- *Choosing the right blowing agent.*
- f) Addition of stabilizing particle/oxide and understanding stabilization in gold foams using various characterization tool.
- g) Interrupted foaming trials - to produce small shapes and objects.

Phase II: Industrial trials



In industry jewellery products with the gold foam of desired shape and size using casting and hand-made techniques will be produced.

Products such as - Thin sections (foam core and thin skin), sandwich foams (foam core with glued face sheets), foam balls of various sizes, large shapes (large foam core and thick skin) will be produced and the process parameters will be optimized. The auxiliary process such as joining, machining and polishing of gold foam products will also be studied.

2. Methodology

a. Viscosity and surface tension studies:

The understanding on the viscosity and surface tension of Gold (Au) and its alloys are essential for foaming. A low surface tension and higher viscosity aid good foaming of metals/alloys. Molten Gold (Au) at its melting point has very high surface tension. The calculated surface tension was found to be 1100 mJ/m^2 that agrees well with the reported experimental value (1149 mJ/m^2). Addition of suitable alloying elements into the Gold (Au) melt will decrease the surface tension and increases the viscosity of the molten Au.

Stronger intermolecular forces result in higher surface tension. A good example is water, where there are strong dipole intermolecular forces causes high surface tension. Liquids with lower intermolecular forces like oils have lower surface tension.

In this proposed work, Institute needs to identify the alloying elements with lower interatomic force compare to gold atom. It can be related to lower the cohesive energy which is the directly measures the surface tension.

For example, the cohesive energy of gold 3.81 eV/atom and that for Copper and Silver is 3.49 eV/atom and 2.95 eV/atom respectively. There are elements which has very low cohesive energy, (The elements like Ca and Mg has cohesive energy of 1.84 eV/atom and 1.51 eV/atom respectively) and alloying gold with that particular elements can decrease the cohesive energy of molten gold which causes lower surface tension and aid in good foaming.

In this work CALPHAD and DFT calculations will be used to find out the cohesive energy of various gold alloy (binary/ternary /quaternary) suitable for foaming.

b. Table top - stir casting set up

A stir casting set up for foaming 100 to 500g of gold will be built. The equipment will be operated table top. The setup comprises of a high temperature resistance heating ($>1200^\circ\text{C}$) furnace with a mechanical stirring facility. The stirrer can be controlled for rotation speed and Z axis movement. The torque while stirring the molten metal will also be measured to know the viscosity of the molten Au. The crucible for melting gold and the stirrer propeller is made up of high density graphite.

c. Alloy selection

The gold will be alloyed with the Cu and Ag for desired karatages (22 Karat or 18 Karat) and used as foam precursor. Pure Au (99.0%) will also be used as foam precursor.



Alloying elements as ternary or quaternary additions will be done to pure Au, 22Karat or 18 Karat gold in order to decrease the melting point drastically for foaming. This decrease in the melting point will allow using blowing agents.

Alloying elements will be added to molten gold and stirred for some time period to enhance its viscosity (thickening process) for foaming. The alloying elements will be identified based on their individual cohesive energy and after their interaction with gold using CALPHAD or DFT calculations.

d. Blowing agent selection

A blowing agent is a compound, which is upon mixing, decomposes and releases gases like hydrogen or carbon dioxide in the molten metal. Foaming is based on the solubility of gas in the liquid metal. The undissolved gas molecules forms bubbles in the molten metal which subsequently causes foaming. Molten gold dissolves very less hydrogen gas and therefore choosing appropriate foaming agent critical.

Carbonates such as CaCO_3 / BaCO_3 / SrCO_3 which has high decomposition temperature $> 700\text{ }^\circ\text{C}$ will be attempted without lowering the melting point of gold. In all cases experiments will be taken care to retain the colour and brilliance of high Karat gold.

e. Foaming process

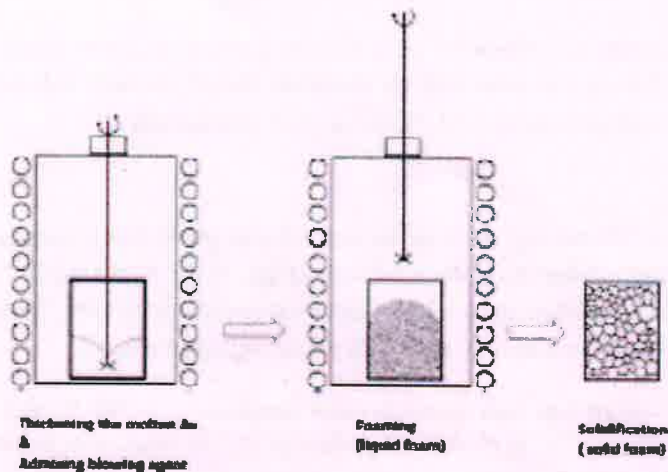
Foaming will be done via uninterrupted and interrupted methods by the addition of blowing agent. Figure 1 gives an overview of the processes. Institutes proposed work is aimed to obtain good foaming in gold with lower density, good pore structure and good process consistency.

In uninterrupted method the molten gold alloy at constant temperature is ad-mixed with the viscosity enhancing elements (Ca or Mg) at various time period. This step is called as thickening. The concentration of the viscosity enhancing elements and the time period for mixing will be optimized. Once the adequate viscosity is obtained the blowing agent is admixed to the thickened Au melt for certain time period and later the melt is allowed to foam at a constant temperature. After an optimized foaming time the liquid foam along with the crucible is taken out and freeze by blowing compressed air in the wall side of the crucible.

1. The concentration of the thickening agent and blowing agent added into gold for good foaming will be optimized.
2. The foaming parameters such as stirring speed, time for thickening, time for ad-mixing the blowing agent, foaming time and temperature of foaming will also be optimized for good foaming.



Uninterrupted foaming



Interrupted foaming

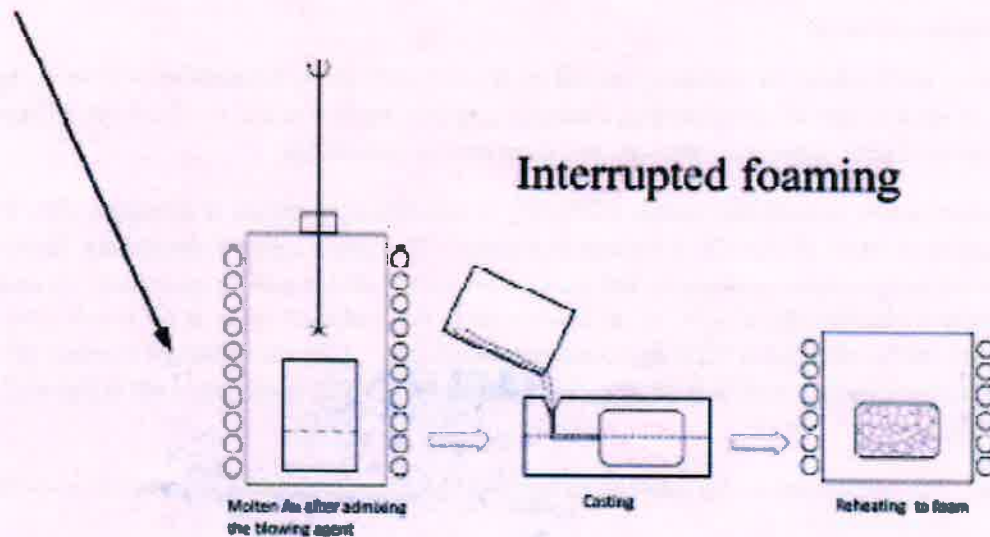


Fig.1 The schematic of uninterrupted and interrupted foaming processes

In the interrupted method the foaming step after the addition of blowing agent is interrupted and the molten metal is solidified rapidly into a casting by pouring it in a chilled mould. The casting is then reheated in a muffle furnace near to the melting point of the gold alloy to obtain a foam. (ref Fig. 1). This technique is used to produce desired shape and size in gold foam. The rapidly chilled casting can be kept in mould which has a cavity that resembles a design or shape. Once heated the casting re-melts and begin to foam, which fills the cavity and attains a shape.



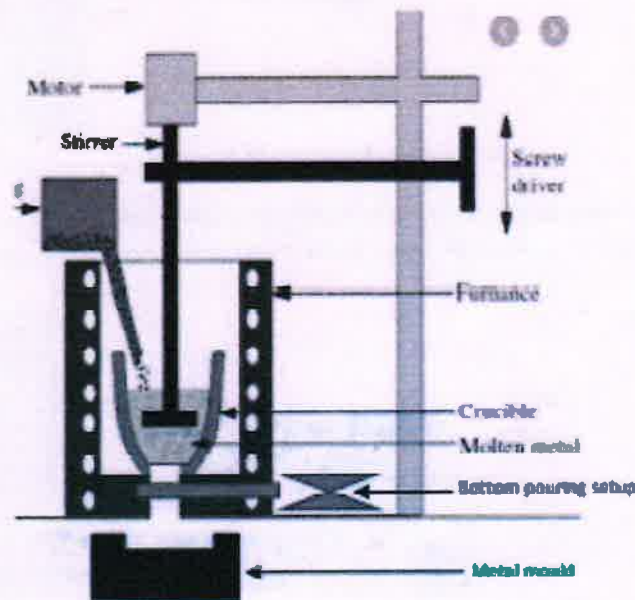
3. Deliverables

3.1 Objective:

To develop a system and process to produce closed cell foam jewellery of 22kt and 18kt that is lighter by 40% without compromising the aesthetics and strength.

Development sequence:

1. Design and development of stir casting furnace with bottom pouring facility. The key process variables such as stirring speed, stirrer design and time are to be optimised.
2. Preparation of gold alloy – 22KT (Gold 91.6%) & 18KT (Gold 75%) and balance by alloying elements such as Copper and Silver. Temperature and dwell time for molten metal to be determined/optimized.
3. Addition of viscosity enhancers such as Magnesium / Calcium to the molten alloy at suitable temperature. The quantity of viscosity enhancer and temperature of molten metal at which viscosity enhancer to be added are to be optimized.



Stir casting furnace

4. Addition of foaming agent – CaCO_3 to the molten alloy at suitable temperature and mechanical stirring. The particle size of CaCO_3 and temperature of molten metal to be optimized for uniform distribution and foam expansion.
5. Optimisation of metal alloy temperature pouring it into the metal mould and don't decompose the CaCO_3 .
6. The admixture to be poured into the metal mould to produce the preform/precursor. The size and shape of the preform/precursor to be optimized.



- Microstructure analysis to be performed on the precursor to understand the distribution of the foaming agent particles.

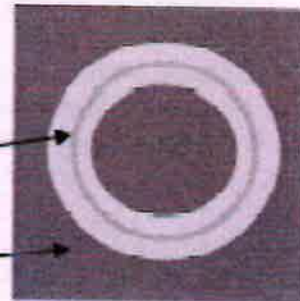


Precursor

- The foaming mould to be designed and fabricated in graphite as per the design requirement with two halves for opening.
- The precursor to be placed in a mould cavity as per the design requirement, the expansion gap to be optimised.

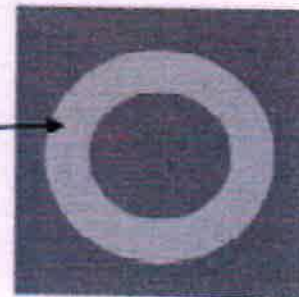
Gold precursor

Graphite mould



- Heat the graphite mould to the foaming temperature to dissociate CaCO_3 and generate CO_2 gas which enables volume expansion of voids. The temperature & time to be optimised.

Gold after foaming



- For unsymmetrical shapes the precursor should be optimally cast for the design and the foaming should happen to fill the entire cavity of the graphite mould as shown in the following illustration.



Precursor in cavity



Foaming



Final product

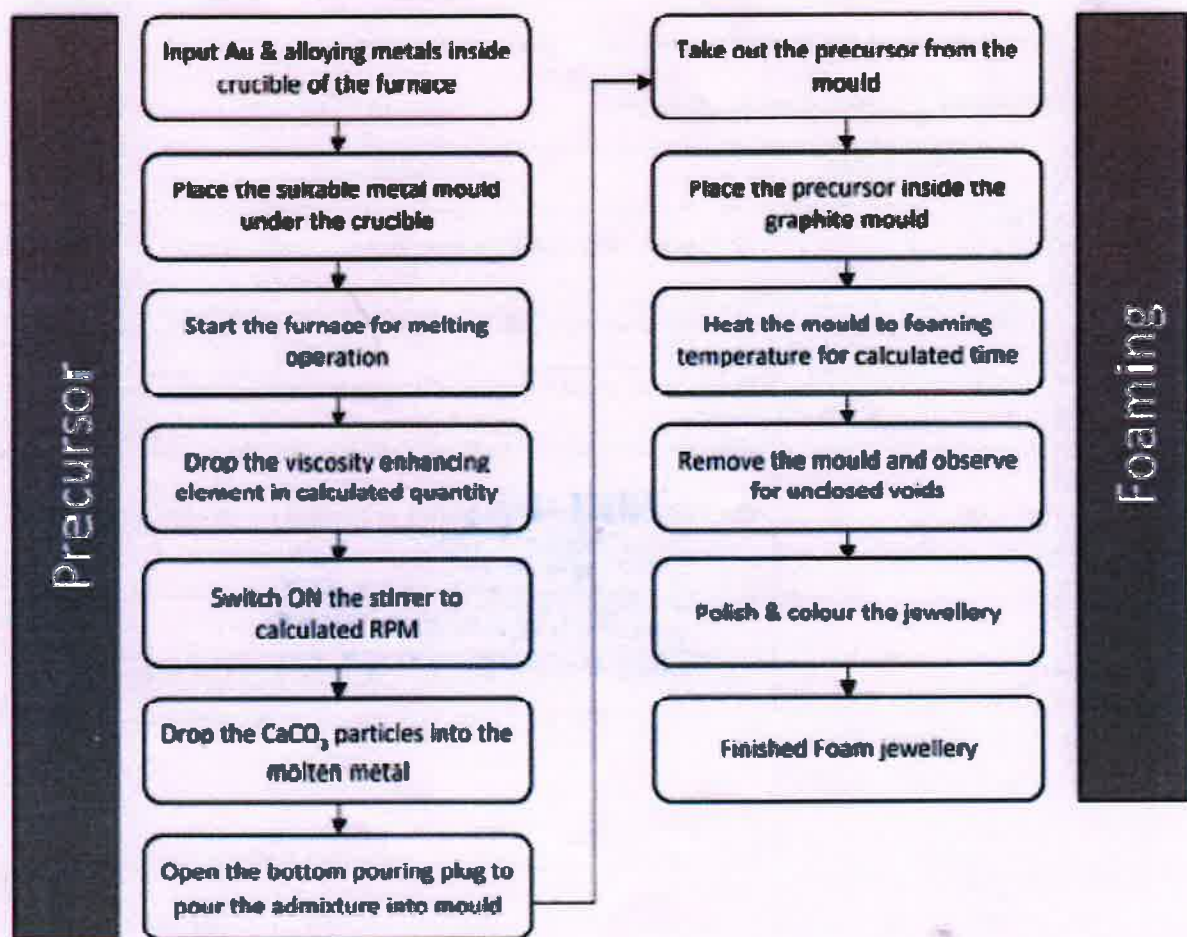
Representation of pores
inside skin (closed cell)



Note: When cavity is restricted on one side, small size pore forms in thinner cross section & bigger pore in thicker cross section

12. The skin of the foamed gold product should be continuous without any pores visible on the surface. The thickness of the skin should be over 500 μm thick to accommodate buffing, polishing and colouring.
13. There should not be any segregation of alloying elements which is to be verified by XRF and SEM-EDS.
14. The purity of the gold to be analysed by fire assay at following states
 - a. Random sample of the foamed product
 - b. Melt the complete product and take sample at random location
15. The minimum compression strength of the products should be over 4.0 kgf.

Process flow chart:



Requirements & acceptance criteria:

The DOE to be formulated to optimize the admixing of the foaming agent to have uniform distribution in the precursor.

#	Characteristics	Specifications
1	Base metal	Gold (22KT: 91.6%, 18KT: 75%), Copper & silver balance
2	Foaming agent	CaCO ₃
3	Viscosity enhancers	Magnesium/ Calcium
4	Elements to avoid	Reactive elements like Ti, Zr to avoid slag. Semimetals like Ge, Si to avoid segregation & cracking

The DOE for foaming of precursor with temperature & time parameters.

Acceptance criteria for the product are as follows.

#	Characteristics	Specifications
1	Thickness of the outer shell after foaming	>500 μm to accommodate polishing
2	Colour	In comparison with 22KT & 18Kt regular yellow gold alloy
3	Compressive strength	The product should withstand 4 kgf load to resist deformation
4	Homogeneity	Fire assay at random locations $\geq 91.6\%$ for 22kt
5		Fire assay of metal after melting of jewellery – refining stage $\geq 91.6\%$ for 22kt
6		XRF for alloying elements at random locations
7		Microstructure & SEM analysis to analyze the segregations



Time lines

#	Milestone	Period
1	Designing and procurement of the stir casting furnace	1 month
	Gate review	
2	Demonstrate the precursor with foaming agent and viscosity enhancer by optimising the variables through DoE	2 months (after Stir casting setup is received, end of 3rd month)
	Gate review	
3	Demonstrate a foamed product with suitable precursor and mould	2 months after precursor stabilization (end of 5th month)
	Gate review	
4	Factory trials for actual product (one to one scale)	2 month (end of 7th month)
5	Testing & evaluation to meet the quality requirement	1 month (at the end of 8th month)
	Gate review	
6	Repeatability trials with several designs	1 month (at the end of 9th month)
	Gate review	
7	Finalizing the process for mass production and handing over & report submission	At the end of 10th month



3.2 Role of Institute

1. Develop process for foaming of gold for making Jewellery product.
2. Identify suitable alloying, foaming elements.
3. Demonstrate Proof of Concept (POC).
4. Optimize process / parameters for melt / cast route suitable for Jewellery manufacturing process.
5. Work with Titan closely for factory trials – to make product using gold foam.
6. Arriving process for scaling up from POC to large scale production.
7. Ensuring the process to meet the quality, purity, colour and properties of the product.
8. Institute shall be accountable for all the gold supplied by Titan for the purpose of research and development under this Agreement. Institute shall return the gold periodically and any loss the quantity of gold shall not exceed 0.5% of the total quantity of gold provided by Titan. Provided further that any loss of gold during experiments to be explained with reasons as to such losses.

3.3 Following documents to be provided by Institute (SRM, AP) after completion of the Project:

1. Exact alloying, foaming elements for the process.
2. Return of all gold and other elements supplied by Titan including Equipment provided by Titan to Institute during the term of the Agreement.
3. Drawing & specification of machine for making product.
4. Detailed Standard Operating Procedure (SOP) and all the parameters to be followed during production at factory.
5. Conditions of processing.
6. Source of the alloy / chemicals used.
7. A detailed Project report.
8. Test results & reports during development stage to validate the performance of the Material to be shared

3.4 Role of Titan

1. Provide input / feedback about the process development / trial result in each stage.
2. Do testing and share the test results.
3. Acceptance and clearance at the end of each stage (POC to factory trials to production).
4. Provide gold required to Institute (on returnable basis) for developing gold foam process.
5. Maintain record of gold supplied / received and cross validate the stock at SRM end, month on month and get confirmation
6. Providing support for trials carried out during factory trials.

4. Facilities available for the proposed work at Institute (SRM University, Amaravati)

1. Induction melting furnace for melting
2. Heat treatment furnaces
3. Metallography and wet chemical lab
4. X-ray Diffractometer (XRD)
5. Optical Microscope (Leica) and Image analyzer
6. High Resolution Scanning Electron Microscope, (HRSEM) FEI Quanta FEG 200 with EDX (Energy Dispersive X-ray Spectrometer)
7. Transmission Electron Microscope - Jeol F2100



8. XPS
9. μ - Raman Spectroscopy

5. The anticipated time frame for completion of each activity

Time frame for the entire Project: 10 months from the effective date of this Agreement

1. Demonstrate gold foam lab scale (basic) POC - At the end of 3rd month from start of the Project
2. Demonstrate a product with feasible pre-cursor method - 3 months after POC (at the end of 6th month)
3. Starting of factory trials for actual product (one to one scale) - Beginning of 7th month
4. Finished product, meeting the aesthetic - 1 month (at the end of 8th month)
5. Testing & evaluation to meet the quality requirement - 1 month (at the end of 9th month)
6. Repeatability and process optimization (for pore size, pore density) -2 months (at the end of 11th month)
7. Finalizing the process for mass production and handing over & report submission - at the end of 12th month.

6. Details of appointed Professor(s) for the Project:

1. Name of the Principal investigator:

(a) Dr. G.S. Vinod Kumar

(b) Designation: Associate Professor

(c) Name of Institution: SRM University - AP, Andhra Pradesh

7. Details of appointed Research Fellow/Project Associate(s) for the Project:

1. Name of the Senior Research Fellow

(a) K M Saradesh

(b) Designation: Senior Research Fellow

(c) Name of Institution: SRM University - AP, Andhra Pradesh



ANNEXURE-II
CONSIDERATION AND PAYMENT TERMS

The Total Cost of the Project is Rs.19,60,000/- (Rupees Nineteen Lakhs Sixty Thousand only) exclusive of applicable Goods and Services Tax ("Consideration"). Goods and Services Tax shall be to the account of Titan. Titan will in addition provide capex equipment worth of Rs.10 Lakhs on returnable basis, consumables and raw materials limited to Gold and other alloying materials for conducting the experiment during the term of the Agreement. Titan shall pay for the Project as per the Project Budget and Payment Milestone provided below:

PROJECT BUDGET AND SCHEDULE OF PAYMENT

S.No.	Description/ Contribution	Item/Facilities	Justification/Purpose	Cost in INR
1	Human Resource	Senior Research Fellow- 1 No. (Fulltime during the term of the Agreement)	For Project support.	3,60,000
2	Specific working & Characterization outside SRM (Institute)	For chemical composition & X-ray tomographic (facilities which is not available at SRM)	For facilities which is not available at Institute (SRM).	1,00,000
3	Consumables	Crucibles, Dies, fluxes, metallographic polishing serum, polishing emery sheets, gas cylinders	For processing open cell and closed cell foams.	1,00,000
4	Consumables	Wet chemical	Glass wares, etchants, reagents, chemicals and solvents.	1,00,000
5	Alloying elements and blowing agent	Cu, Ag, Ca, Hydrides and Carbonates, place holders (ceramics or polymers), Polymer precursor	For Foaming	2,00,000
6	Gold	To be provided by the Titan to Institute as may be required for the purposes of the Project and shall be returned by Institute on completion of the Project or earlier on demand by Titan. If at any stage during the audit it is found by Titan that the Gold returned by Institute is less than the permissible limit prescribed in Annexure-I of this Agreement in that event Titan reserves it rights to set off/deduct from the amount due or payable to Institute under this Agreement as per the prevailing market gold rates without effecting and limiting its rights to proceed with any other remedy in law or under this Agreement.		



7	Consultancy Charges	Consultancy charges	1,00,000
8	Honorarium	Honorarium will be paid in several portions as per schedule of payment below for Honorarium subject to the following events: <ol style="list-style-type: none"> 1. Filing patent/IP application for Project/Deliverables. 2. On publication of Application in IP/Patent journal 3. On grant of Patent/IP and Assignment in favour of Titan in relation to Deliverables/Project under this Agreement Patent office or granting authority. 	10,00,000
Total Project Cost exclusive of GST			19,60,000/-

EQUIPMENT BUDGET

1	Equipment	Titan will, in addition, at its expense provide the following equipments to Institute for the purpose of conducting research in relation to Project and/or Deliverables: <ol style="list-style-type: none"> 1. High temperature stir casting machine 2. High speed cutting machine 3. Metallurgical polishing machine 	10,00,000
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SCHEDULE OF PAYMENT
(EXCLUDING HONORARIUM)

S. No	Amount as % of total	Amount in Rs	Payment Milestone
1	30%	2,88,000	Signing of the Agreement. Institute to submit pro-forma invoice and Titan will pay within 30 days from the date of receipt of invoice.
2	20%	1,92,000	Demonstrate feasible pre-cursor method (in product level). Institute to submit pro-forma invoice and Titan will pay within 30 days from the date of receipt of invoice.
3	20%	1,92,000	Finished product meeting the aesthetic & quality. Institute to submit pro-forma invoice and Titan will pay within 30 days from the date of receipt of invoice.
4	20%	1,92,000	Optimized parameter for mass production. Institute to submit pro-forma invoice and Titan will pay within 30 days from the date of receipt of invoice.
5	10%	96,000	After completion of the Project & report submission. Institute to submit pro-forma invoice and Titan will pay within 30 days from the date of receipt of invoice.
	Project Cost exclusive of GST (Excluding Honorarium)	9,60,000	

SCHEDULE OF PAYMENT FOR HONORARIUM

1.	Honorarium	20% at the time of filing patent/IP application for Project/Deliverables.	2,00,000
		30% on publication of Application in IP/Patent journal	3,00,000
		50% on grant of Patent/IP and Assignment in favour of Titan in relation to Deliverables/Project under this Agreement Patent office or granting authority.	5,00,000
		Total Honorarium cost exclusive of GST (If applicable)	10,00,000





**INTELLECTUAL
PROPERTY INDIA**
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

क्रम सं/SL No:044160441



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

पेटेंट प्रमाण पत्र

Patent Certificate

(पेटेंट नियमावली का नियम 74)

(Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. : 452003
 आवेदन सं. / Application No. : 201941047506
 फाइल करने की तारीख / Date of Filing : 21/11/2019
 पेटेंटी / Patentee : TITAN COMPANY LIMITED

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकरित **A METHOD OF MANUFACTURING LEAD-FREE BRASS** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख नवम्बर 2019 के इक्कीसवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled **A METHOD OF MANUFACTURING LEAD-FREE BRASS** as disclosed in the above mentioned application for the term of 20 years from the 21st day of November 2019 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 15/09/2023
 Date of Grant :

पेटेंट नियंत्रक
 Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, नवम्बर 2021 के इक्कीसवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 21st day of November 2021 and on the same day in every year thereafter.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941047506 A

(19) INDIA

(22) Date of filing of Application :21/11/2019

(43) Publication Date : 28/05/2021

(54) Title of the invention : A METHOD OF MANUFACTURING LEAD-FREE BRASS

(51) International classification	:C22C0009040000, C22C0001020000, C22C0009000000, C22B0015000000, C22F0001080000	(71)Name of Applicant : 1)TITAN COMPANY LIMITED Address of Applicant : 'Integrity' No.193, Veerasandra, Electronics City P.O., Off Hosur Main Road, Bangalore - 560100 Karnataka India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Raghothaman Hanumantha Rao
(33) Name of priority country	:NA	2)Loganathan Subramani
(86) International Application No	:NA	3)Seshadri Ramanujam
Filing Date	:NA	4)Vinod Kumar Goarke Sanjeeviah
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure discloses a method for manufacturing lead-free brass alloy. The method includes preparation of first master alloy by melting copper and a transition element, and a second master alloy by mixing molten zinc and molten copper. The lead-free brass is obtained by meting a predetermined proportion of the first master alloy and second master alloy along with elemental copper in a furnace under argon atmosphere. The lead-free brass alloy is then subjected to precipitation hardening process in order to improve hardness. The lead-free hard brass alloy containing titanium exhibits improved hardness in comparison to bare lead-free brass mainly due to the presence of intermetallic nanoscale precipitates which are distributed throughout the lead-free brass matrix. Figure. 1 is a representative figure.

No. of Pages : 25 No. of Claims : 17

SRM UNIVERSITY-AP

Neerukonda, Mangalagiri Mandal Guntur Dist.,
Andhra Pradesh-522502.

Tax Invoice**Bill To**

Invoice No: SRMAP/014/2021-22

Titan Company Limited, Central
Technology Services Departmentn "Integrity" # 193, Veerasandra,
Electronic City PO, Off Hosur Main Road, Bangalore 560100.

Date: 20-09-2022

GSTIN:29AAACT5131A1Z4

S.No	Product Description	HSN Code	Taxable Value	IGST		Total
				Rate	Amount	
1	Develop Closed cell gold foamns for jewellery application 2nd Installment	998145	1,92,000	18%	34560	2,26,560
Total			1,92,000		34560	2,26,560
Total Amount						1,92,000
Tax Amount IGST18%						34560
Total Amount						2,26,560

Rupees In words: Two Laksh Twenty Six Thousand Five Hundred Hundred and Sixty Ruppess only**Bank Account Details**

Account Name:	SRM University AP Amaravati
Bank Name:	Indian Bank
Current A/c No:	6645559621
IFSC Code:	IDIB000S297
Branch :	SRM University Campus Branch

Receiver Signature



For SRM University AP



Authorised Signatory

####



SRM UNIVERSITY-AP

Neerukonda, Mangalagiri Mandal Guntur Dist.,
Andhra Pradesh-522502.

GSTIN37AASTS4359N1ZD

Tax Invoice

Bill To

Invoice No: 001

Dt:13-09-2021

Titan Company Limited,
"INTEGRITY"
No-193.Veerasandra,
Electronic CITY P O
Off Hosur Main Road ,
Bangalore 560100.

GSTIN:29AAACT5131A1ZT

S.No	Product Description	HSN Code	Taxable Value	IGST		Total
				Rate	Amount	
1	Delopment of Closed cell gold foams for Jewellery application 1st Installment	998145	2,88,000	18%	51840	3,39,840
	Total		2,88,000			2,88,000
					Total Amount	2,88,000
					Tax Amount IGST18%	51840
					Total Amount	3,39,840

Rupees In words: Three Lakhs Thirty Nine thousand Eight Hundred and Forty Rupees only

Receiver Signature

For SRM University AP
For SRM UNIVERSITY AP ANDHRA PRADESH


Authorised Signatory
 Authorised Signatory



ఆంధ్ర ప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH 24 DEC 2020

S.N. 17234 Date: 24/12/2020 Rs. 100/-

Paid to Sri: Rama Suresh Chilukuri s/o Gopala Krishna; Achara

For Whom: SRM TRUST; AP -

CS 046708

Mohana Krishna
 MOHANA KRISHNA
 Licensed Stamp Vendor
 L.No: 07-03-013/2019
 Nowluru, Mangalagiri.
 GUNTUR-522 503, Cell: 98667221

MEMORANDUM OF UNDERSTANDING

between

CSIR-Indian Institute of Chemical Technology, Hyderabad

and

**SRM University – AP
 Andhra Pradesh**

This Memorandum of Understanding entered into on 19th November 2021 between CSIR-Indian Institute of Chemical Technology, Uppal Road, Tarnaka, Hyderabad- 500007, Telangana, a constituent unit of the Council of Scientific and Industrial Research (CSIR), a Society registered under Societies Registration Act (XXI of 1860), having its registered Office at Anusandhan Bhavan, Rafi Marg, New Delhi - 110 001 (hereinafter referred to as CSIR-IICT, which expression shall where the context so admits include its Successors and permitted assignees)

**Prof. D. Narayana Rao
 Pro Vice Chancellor
 SRM UNIVERSITY AP
 Amaravati, AP-522503**

And SRM University – Andhra Pradesh (SRM - AP), Neerukonda, Mangalagiri - 522503, Guntur District, Andhra Pradesh (hereinafter referred to as SRM - AP, which expression shall where the context so admits include its successors and permitted assignees) of the other part.

WHEREAS CSIR-IICT has expertise in conducting R & D studies in following areas:

- Synthetic Organic Chemistry
- Natural Products Chemistry
- Lipid Science and Technology
- Polymers & Functional materials
- Catalysis & Advanced Materials
- Crop Protection Chemicals and Integrated Pest Management
- Chemical & Mechanical Engineering Sciences
- Medicinal Chemistry & Pharmacology
- Biology & Bioinformatics
- Chemical Biology
- Environmental Sciences
- Bioinformatics
- Cheminformatics
- Pharmacy
- Molecular modelling

WHEREAS SRM - AP, has expertise in conducting R & D studies in following areas:

- Sustainable Nanoscience
- Computational chemistry
- Novel batteries
- Bioenergy and Biodegradable biopolymers
- Biomedical Nanotechnology
- Proteomics and Antimicrobial Resistance
- Virology, Molecular and Cell biology
- Neurobiology
- Molecular Cell Biology of Bacteriophage
- Genetics of Aging
- Computational Biology
- RNA Therapy
- Materials Chemistry
- Algal Biotechnology
- Organic Chemistry

Prof. D. Narayana Rao
Pro Vice Chancellor
SRM UNIVERSITY AP
Amaravati, AP-522503

1. WHEREAS CSIR- IICT and SRM - AP have agreed to collaborate in the following areas:

- Teaching, Research and Training in selected and advanced thrust areas in S&T.
- To collaborate and write project proposals in areas of mutual interest and submit to various Agencies/Industries for funding.
- Exchange of scientists, faculty & students in collaborative projects on areas of expertise as mentioned above.
- Mutual Instrumentational and Facility access, collaborative co-mentoring of PhD Scholars.
- Assistance in product development and Technology transfer for commercialization.
- Thrust on skill development, certification courses, training programme offered to external agencies (Private & Public sector organizations, educational institutions and other research institutes to name a few).
- Any other areas of mutual interest.

2. CSIR-IICT and SRM - AP agreed to enter into separate agreements on case to case basis, with the scope of work involving terms and conditions, financial arrangements, Intellectual Property Rights and respective responsibilities.

3. Whereas this MOU is valid for 10 years from the date of signing. However, MOU may be extended for further period or curtailed with mutual consent.

4. Except as hereinbefore provided, any dispute arising out of this MOU, the same shall be referred to the arbitration of two arbitrators one to be appointed by each party to the dispute, and in case of difference of opinion between them to a umpire appointed by the said two arbitrators before entering on the reference, and the decision of such arbitrators or umpire as the case may be shall be final and binding on both. The venue of arbitration shall be such place as may be fixed by such arbitrators or umpire and the arbitration proceedings shall take place under the Indian arbitration Act, 1940 as modified in 1996.

5. Either parties may terminate the MOU by giving three months' notice to the other for whatever reasons. In the event of such termination either party has to fulfil their part of the obligation till the date of such termination.

6. This MOU has been executed in two originals; one of these has been retained by CSIR-IICT and the other by SRM – AP.

Prof. D. Narayana Rao
Pro Vice Chancellor
SRM UNIVERSITY AP
Amaravati, AP-522503

In witness whereof, the parties hereto have signed this MOU on the day, month and year mentioned herein before.

Signed, sealed and delivered

For and on behalf of
CSIR – IICT, Hyderabad-500007



Signature
Name: Dr. S. Chandrasekhar
Designation:
Director, CSIR – IICT, Uppal Road,
Tarnaka, Hyderabad-500007
Telangana

Seal

डॉ. एस. चंद्रशेखर
Dr. S. Chandrasekhar
निदेशक/Director
सी.एस.आई.आर - भारतीय रासायनिक प्रौद्योगिकी संस्थान
CSIR-Indian Institute of Chemical Technology
विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार
Ministry of Science & Technology, Govt. of India.
हेदराबाद/Hyderabad-500 007, तेलंगाना/Telangana, भारत/India.

Date:

Witness (Name & Address)

1. 

Dr. M. Chandrasekharam
CSIR - IICT
वरिष्ठ प्रधान वैज्ञानिक और सचिव / Senior Principal Scientist & Chair
मान एवं सूचना प्रबंधन विभाग - Dept. of Knowledge & Information Management (DKIM)
सी.एस.आई.आर - भारतीय रासायनिक प्रौद्योगिकी संस्थान
CSIR-Indian Institute of Chemical Technology
विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार - Ministry of Science & Technology, Govt. of India
हेदराबाद: Hyderabad - 500 007, तेलंगाना/Telangana, भारत/India

2. 

डॉ. डी. शैलजा
Dr. D. SHAILAJA
Chief Scientist & Chair
Business Development & Research Management
सी.एस.आई.आर - भारतीय रासायनिक प्रौद्योगिकी संस्थान
CSIR-Indian Institute of Chemical Technology
(Ministry of Science & Technology, Govt. of India)
Tarnaka, Hyderabad-500 007, Telangana State, INDIA


Signed, sealed and delivered

For and on behalf of
SRM – AP, Andhra Pradesh-522503

Signature

Name: Prof. D. Nayayana Rao
Designation:
Pro Vice Chancellor, SRM – AP,
Neerukonda, Mangalagiri-522503,
Andhra Pradesh

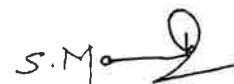
Seal


Prof. D. Narayana Rao
Pro Vice Chancellor
SRM UNIVERSITY AP
Amaravati, AP-522503
Date: 18-11-21

Witness (Name & Address)



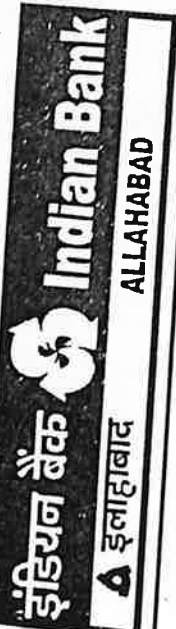
1. Dr. Anil Suresh
Associate Professor
Department of Biological Sciences
Neerukonda, Mangalagiri-522503
Andhra Pradesh



2. Dr. S. Mannathan
Associate Professor
Department of Chemistry
Neerukonda, Mangalagiri-522503
Andhra Pradesh

CUSTOMER COPY

CHALLAN for Remittance through NEFT / RTGS (To be filled in by the Applicant in Block Letters).



Payment for 4-OMe En

SENDER PARTICULARS

.....Branch

SENDER PARTICULARS		BENEFICIARY PARTICULARS	
Sender Name	Dr. S. Mammathan	Beneficiary Name	Director, IICT, Hyderabad
Account Number	9600252532	Account Number	62047032288
	Cheque/Transfer	Bank and Branch Name	
RTGS/NEFT Amount	Rs. 719069	IFSC Code	SBIN0020087
Charges	Rs. 7080	Amount in words	Seven thousands and
Total Amount	Rs. 7080	to be remitted	eighty only

UTR NO : DDIBH2BS2308296

Conditions of Transfer

1. Remitting bank shall not be liable for any loss of damage arising or resulting from delay in transmission delivery or non-delivery of Electronic message or any mistake, omission, or error in transmission of delivery thereof or in deciphering the message from any cause whatsoever or from its misinterpretation received or the action of the destination Bank or any act or even beyond control.
2. All payment instructions should be checked carefully by the remitter.
3. Messages received after cut-off time will be sent on the next working day.

DATE: 23/12/2011



CUST
CHA



सीएसआईआर-भारतीय रासायनिक प्रौद्योगिकी संस्थान
हैदराबाद - 500 007. भारत
CSIR - Indian Institute of Chemical Technology
Hyderabad - 500 007. INDIA



(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)
(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)
Dec 22, 2021

From

दिनांक / Dated.....

Scientist-in-Charge
Analytical Services Registration Center

Telephone No.:040-27193237, 27191342/47

No. ASRC/21-22/243
PAN No. AAATC2716R
GST No. 36AAATC2716R2ZF
Service Accounting Code (SAC): 998393

To
Dr. S. Mannathan
Associate Professor & Head
Department of Chemistry
SRM University, AP.

Quotation

S. No.	Particulars of the sample(s)	No./ Quantity	Rate per sample (Rs.)	Amount (Rs.)
1.	Single Crystal Analysis for the compound 4-OMe-En	1 nos	6,000/-	6,000=00
			IGST 18%:	1,080=00
			TOTAL :	7,080=00

Bhaskar
For CSIR-IICT

Scientist-In-Charge

Amount to be paid through SB collect using the following link:
<https://www.onlinesbi.com/sbicollect/collecthome.htm>
State of Corporate / Institution Telangana
Type of Corporate / Institution Govt. Department
Govt. Department Name Indian Institute of Chemical Technology
Select Payment Category Payment(s) against IICT Invoice(s)
(Or)
Testing charges should be paid in advance by electronic transfer to the account details given below.
Director, Indian Institute of Chemical Technology,
SBI Account No: 62047032288, IFSC Code: SBIN0020087
After making payment, the payment details sent to us mail

Disclaimer on test report
The report pertains to the sample and technology, Govt. of India
The report shall not be used for any other purpose than declared by the sponsor
CSIR-IICT is not a regulatory/certifying agency hence no part of this report should be used for legal purposes under any circumstances
CSIR-IICT shall not be held financially liable for losses incurred by clients on account of inferences and interpretations made on the basis of the test results

TARNAKA, UPPAL ROAD, HYDERABAD - 500 007. Telangana State. INDIA

Payment for 3D

CUSTOMER COPY

HALLAN for Remittance through NEFT / RTGS (To be filled in by the Applicant in Block Letters).



19/07/2022

SRM University, Campus Branch

SENDER PARTICULARS		BENEFICIARY PARTICULARS	
Sender Name	PHOTOCATALYSIS Dr. S. Mannathan SRM AP	Beneficiary Name	DIRECTOR, IIC T - HYDERABAD
Account Number	7132410166	Account Number	62047032288
	Cheque Transfer 031725	Bank and Branch Name	SBI, HARS HIGUDA
IFGS/NEFT Amount	Rs. 7080/-	IFSC Code	SBIN0020087
Charges	Rs. 7	Amount in words to be remitted	Seventy thousand and eighty rupees only
Total Amount	Rs. 7080/-		

TR NO : _____

Conditions of Transfer

Remitting bank shall not be liable for any loss of damage arising or resulting from delay in transmission delivery or non-delivery of Electronic message or any mistake, omission, or error in transmission of delivery thereof or in deciphering the message from any cause whatsoever or from its misinterpretation received or the action of the destination Bank or any act or event beyond control.

All payment instructions should be checked carefully by the remitter.

Messages received after cut-off time will be sent on the next working day.

TE: _____

IDIBH 22200203375





सीएसआईआर-भारतीय रासायनिक प्रौद्योगिकी संस्थान
 हैदराबाद - 500 007, भारत
CSIR - Indian Institute of Chemical Technology
 Hyderabad - 500 007, INDIA
 (वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)
 (COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)



From
 Scientist-in-Charge
 Analytical Services Registration Center

दिनांक / Dated.....

Telephone No.:040-27193237, 27191342/47

No. ASRC/22-23/121
 PAN No. AAATC2716R
 GST No. 36AAATC2716R2ZF
 Service Accounting Code (SAC): 998393

Jul 13, 2022

To
 Dr. S. Mannathan
 Associate Professor & Head
 Department of Chemistry
 SRM University – AP, Andhra Pradesh

Quotation

S. No.	Particulars of the sample(s)	No./ Quantity	Rate per sample (Rs.)	Amount (Rs.)
1.	Single crystal analysis for the compound 3D		6,000/-	6,000=00
IGST @ 18% :				1,080=00
TOTAL :				7,080=00

(Signature)

For CSIR-IICT
 तकनीकी प्रबंधक / प्रमुख वैज्ञानिक
 Technical Manager / Scientist-in-Charge

<p>Amount to be paid through SB collect using the following link: https://www.onlinesbi.com/sbicollect/collecthome.htm State of Corporate / Institution Telangana Type of Corporate / Institution Govt. Department Govt. Department Name Indian Institute of Chemical Technology Select Payment Category Payment(s) against IICT Invoice(s) (Or) Testing charges should be paid in advance by electronic transfer to the account details given below. Director, Indian Institute of Chemical Technology, SBI Account No: 62047032288, IFSC Code: SBIN0020087 <u>After making payment, the payment details sent to us mail</u></p>	<p>Disclaimer on test results विश्लेषण केंद्र Analytical Sample Register Centre The report pertains to the samples tested only. The report shall not be used or produced for any other purpose. The report shall not be used for any other purpose than declared by the responsible agency. CSIR-IICT is not a regulatory/certifying agency hence no part of this report should be used for legal purposes under any circumstances. CSIR-IICT shall not be held financially liable for losses incurred by clients on account of inferences and interpretations made on the basis of the test results</p>
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TARNAKA, UPPAL ROAD, HYDERABAD - 500 007, Telangana State, INDIA
 दूरभाष / TELEPHONE: 27160123 (18 लाइन / 18 Lines)
 www.iictindia.org निदेशक / Director : Fax : 91-40-27160387 व.प्र.नि / COA : Fax : 91-40-27193198

CUSTOMER COPY

CHALLAN for Remittance through NEFT / RTGS (To be filled in by the Applicant in Block Letters).



Payment for RRANSC

25/02/2022

SRM University Campus Branch

SENDER PARTICULARS

Sender Name	HOMOGENEOUS CATALYSIS Dr. S. Mannatham	
Account Number	6757191658	
	Cheque/Transfer	
	719070	
RTGS/NEFT Amount	Rs. 7,080/-	
Charges	Rs. -	
Total Amount	Rs. 7,080/-	

BENEFICIARY PARTICULARS

Beneficiary Name	DIRECTOR, Indian Institute of Chemical Technology Hyd.	
Account Number	62047032288	
Bank and Branch Name	SBI, HARSHIGUDA, Hyderabad.	
IFSC Code	SBIN0020087	
Amount in words to be remitted	Seven thousand and Eighty rupees only	

UTR NO : DDBB122056457726

Conditions of Transfer

1. Remitting bank shall not be liable for any loss of damage arising or resulting from delay in transmission delivery or non-delivery of Electronic message or any mistake, omission, or error in transmission of delivery thereof or in deciphering the message from any cause whatsoever or from its misinterpretation received or the action of the destination Bank or any act or even beyond control.
2. All payment instructions should be checked carefully by the remitter.
3. Messages received after cut-off time will be sent on the next working day.

DATE: 25/2/2022

(Signature)
MANAGER

(including GST) I want to...



सीएसआईआर-भारतीय रासायनिक प्रौद्योगिकी संस्थान
हैदराबाद - 500 007. भारत
CSIR - Indian Institute of Chemical Technology
Hyderabad - 500 007. INDIA
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)
(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)



From
Scientist-in-Charge
Analytical Services Registration Center

दिनांक / Dated.....

Telephone No.:040-27193237, 27191342/47

No. ASRC/21-22/ 308
PAN No. AAATC2716R
GST No. 36AAATC2716R2ZF
Service Accounting Code (SAC): 998393

Feb 24, 2022

To
Dr. S. Mannathan
Associate Professor & Head
Department of Chemistry
SRM University – AP, Andhra Pradesh

Quotation

S. No.	Particulars of the sample(s)	No./ Quantity	Rate per sample (Rs.)	Amount (Rs.)
1.	Single crystal analysis for the compound RRANSC	1	6,000/-	6,000=00
			IGST @ 18% :	1,080=00
			TOTAL :	7,080=00

Bhagyashree
For CSIR-IICT

<p><u>Amount to be paid through SB collect using the following link:</u> https://www.onlinesbi.com/sbicollect/icollecthome.htm State of Corporate / Institution Telangana Type of Corporate / Institution Govt. Department Govt. Department Name Indian Institute of Chemical Technology Select Payment Category Payment(s) against IICT invoice(s) (Or) Testing charges should be paid in advance by electronic transfer to the account details given below. Director, Indian Institute of Chemical Technology, SBI Account No: 62047032288, IFSC Code: SBIN0020087 <u>After making payment, the payment details sent to us mail</u></p>	<p><u>Disclaimer on test</u> Scientist-in-Charge Analytical Services Registration Centre The report shall not be used or produced in any form for legal purposes without the written consent of the Institute of Chemical Technology, Ministry of Science and Technology, Govt. of India The report shall not be used for any other purpose than declared by the sponsor CSIR-IICT is not a regulatory/certifying agency hence no part of this report should be used for legal purposes under any circumstances CSIR-IICT shall not be held financially liable for losses incurred by clients on account of inferences and interpretations made on the basis of the test results</p>
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TARNAKA, UPPAL ROAD, HYDERABAD - 500 007. Telangana State, INDIA


दूरभाष / TELEPHONE: 27160123 (18 लाइन / 18 Lines)

www.iiictindia.org निदेशक / Director : Fax : 91-40-27160387 व.प्र.नि / COA : Fax : 91-40-27193198



Payment for RR32

Account Statement for the period 12/04/2023 to 12/04/2023

Account Number 00000062073518437
Branch GHANAPUR
Address 9-19
 THATIKONDA
 GHANPUR- WARANGAL
 506301
Account Type REGULAR SB NCHQ-INDIVIDUALS
Account Name Mr. RAMARAJU KORIVI
Interest Rate(% p.a.) 2.7
Drawing Power 0.00
MOD Balance 0.00
CIF No. 
IFS (Indian Financial System) Code SBIN0020154
MICR (Magnetic Ink Character Recognition) Code 506002544
Nomination Registered No
Balance as on 12/04/2023 5,389.53

Date (Value Date)	Narration	Ref/Cheque No.	Debit	Credit	Balance
12-Apr-23 (12-Apr-2023)	BY TRANSFER INB IMPS310215139686/99492 59639/XX9402/Deposit	MAF000279005290 MAF 000279005290		10,000.00	15,389.53
12-Apr-23 (12-Apr-2023)	TO TRANSFER INB Payment towards Crystal An alys	IHR3419593 TRANSFER TO 62047032288	7,080.00		8,309.53

**This is a computer generated statement and does not require a signature

Print Back



सीएसआईआर-भारतीय रासायनिक प्रौद्योगिकी संस्थान
हैदराबाद - 500 007. भारत
CSIR - Indian Institute of Chemical Technology
Hyderabad - 500 007. INDIA
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)
(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)



From
Scientist-in-Charge
Analytical Services Registration Center

दिनांक / Dated.....

Telephone No.:040-27193237, 27191342/47

No. ASRC/22-23/407
PAN No. AAATC2716R
GST No. 36AAATC2716R2ZF
Service Accounting Code (SAC): 998393

Mar 31, 2023

To
Dr. S. Mannathan
Associate Professor & Head
Department of Chemistry
SRM University – AP, Andhra Pradesh

Quotation

S. No.	Particulars of the sample(s)	No./ Quantity	Rate per sample (Rs.)	Amount (Rs.)
1.	Single crystal analysis for the compound RR32	1	6,000/-	6,000=00
			IGST @ 18% :	1,080=00
			TOTAL :	7,080=00

Shreedhar up
For CSIR-IICT

<p>Amount to be paid through SB collect using the following link: https://www.onlinesbi.com/sbcollect/icollecthome.htm State of Corporate / Institution Telangana Type of Corporate / Institution Govt. Department Govt. Department Name Indian Institute of Chemical Technology Select Payment Category Payment(s) against IICT invoice(s) (Or) Testing charges should be paid in advance by electronic transfer to the account details given below. Director, Indian Institute of Chemical Technology, SBI Account No: 62047032288, IFSC Code: SBIN0020087 After making payment, the payment details sent to us mail</p>	<p>Disclaimer on test report The report pertains to the samples tested only The report shall not be used or produced in fragments The report shall not be used for any other purpose than declared by the sponsor CSIR-IICT is not a regulatory/certifying agency hence no part of this report should be used for legal purposes under any circumstances CSIR-IICT shall not be held financially liable for losses incurred by clients on account of inferences and interpretations made on the basis of the test results</p>
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TARNAKA, UPPAL ROAD, HYDERABAD - 500 007. Telangana State, INDIA

दूरभाष / TELEPHONE: 27160123 (18 लाइन / 18 Lines)

www.iictindia.org निदेशक / Director : Fax : 91-40-27160387 व.प्र.नि / COA : Fax : 91-40-27193198



AGREEMENT ON INTERNATIONAL EDUCATIONAL COOPERATION

**between
SRM UNIVERSITY
(Andhra Pradesh, INDIA)
and
ANADOLU UNIVERSITY
(Eskişehir, TURKEY)**

In order to further promote the existing cultural and educational cooperation between SRM University and Anadolu University these institutions hereby join in the following agreement on educational and scientific cooperation.

The two universities will endeavor to cooperate in education and research in areas of mutual interest. To the extent feasible, both universities will encourage direct contact and cooperation between faculty members, research institutions and students.

I. AREAS OF COOPERATION

Specific areas of cooperation between the two universities may include, but are not limited to, the following:

- a) Exchange of faculty, and research scholars;
- b) Exchange of students;
- c) Joint research activities and lectures;
- d) Participation in seminars and academic meetings;
- e) Exchange of published academic materials and other information;
- f) Special short-term academic programs.

II. EXCHANGE OF FACULTY AND RESEARCH SCHOLARS

1. In principle, travel expenses and living costs of exchange faculty and research scholars will not be compensated by the host institution, but in some cases, when possible, the host institution may provide financial support in any form.
2. The host institution shall provide office space and give access to libraries and other facilities to exchange faculty and research scholars.

3. Faculty/Scholar exchanges will normally be for the duration of one or two semesters but shorter stays are possible, subject to mutual agreement.
4. Faculty/Scholar exchanges remain subject to the approval of the host institution.
5. Each professor remains on salary with the home institution during the exchange, and remuneration for special projects is subject to special negotiation.
6. Visiting professors/scholars must carry medical health insurance in accordance with the rules and regulations of the host institutions and/or the host government.
7. Teaching course loads and working hours and conditions shall normally be in accordance with established rules and practices of the host institution, subject to prior negotiation and agreement.
8. This Agreement between SRM University and Anadolu University will cover in any appropriate academic field at either institution, subject to the prior approval of the administration of the host institution.

III. EXCHANGE OF STUDENTS

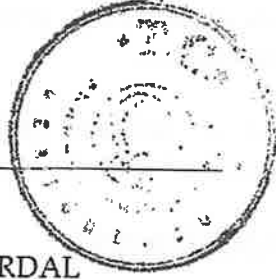
1. Students are exchanged between SRM University and Anadolu University based on the principle of reciprocity during the same academic year.
2. Exchange students shall be admitted as non-degree students for a period of one or two semesters.
3. Exchange students may take courses for credit, and the host institution shall issue a transcript and the grades for exchange students shall be given under the same rules and regulations as for its degree-seeking students.
4. So long as the principle of reciprocity is maintained, tuition and fees shall be waived for exchange students by the host institution.
5. The sending institution shall recommend Exchange students and follow established rules and procedures set forth by the host institution. The final decision to accept the student belongs to the host institution.

6. Travel and living expenses for exchange students are borne by the students themselves or by a sponsor.
7. In accordance with the regulations of both universities, Exchange students are required to carry adequate medical insurance, provided by a carrier with an office located within the host country.
8. The exchange students must submit an Affidavit of Financial Support (AFS) for living expenses in advance to the host institution.

IV. RENEWAL, TERMINATION, AND AMENDMENT

1. This agreement, two English copies, is to be authorized by the official representatives of both Universities; and each party will retain one of each.
2. Except where specified and agreed upon, this Agreement will impose no financial obligation on the host institution.
3. Items pertaining to the implementation of the exchange programs will be negotiated and agreed upon between the two institutions in each specific case in accordance with this Agreement.
4. All copyrightable works or patents produced pursuant to this Agreement shall be jointly owned by both Parties and any publication of the same shall identify the Parties equally as the source of the output. Any fee or royalty generated due to such publication or use shall accrue equally to the Parties herein. Subject to prior negotiation and agreement for each case, the Parties and each of them individually shall have the right to use any and all data, reports, publications, and/or products arising from this collaboration for the enhancement of their individual academic and research program without need of further consent from the other party.
5. The period of validity of this Agreement is for five (5) years. Thereafter, it will automatically be renewed for another five (5) years, unless either side provides a six-month notice of intent to terminate. Formerly agreed projects and exchanges started before the termination date, will continue even if the agreement is expired. This agreement will become effective at the time it is signed by the authorized representatives of both institutions after approval of Turkish Higher Education Council.


6. Items not covered by the Agreement may be determined and negotiated separately by both institutions and the Agreement can be amended. All the amendments enter into force after the approval of Turkish Higher Education Council.



Rector
Prof. Dr. Fuat ERDAL

Anadolu University, Eskişehir
Turkey

Date:


03.11.2021



Vice Chancellor
Prof. V. S. Rao

SRM University, AP - Andhra Pradesh
India

Date: 26/10/21

Dear Students,

Anadolu University, Turkey: Semester Abroad Program (SAP) Spring 2023 (January - May 2023)

We are delighted to invite students to apply for a semester abroad at **Anadolu University, Turkey** for Spring 2023 semester (February - May 2023).

Anadolu University, Turkey	1€ ≈ 81 INR	
Costs	Euros €	INR Rs
Tuitions Fee (this is maximum and could reduce depending on credits)	Waived Off	Waived Off
Living Expenses	3085	2,50,000
Travel	3085	2,50,000
Others (Activity fee, Student Service fee, UPASS fee, New Student fee, course fee, health insurance)	617	50,000
Net amount	6787	5,50,000

The net cost would be close Rs 5 - 6 lacs which broadly includes the host university tuition fee (waived off), health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this email carefully and only apply if you fit the criteria and interested.

Eligibility Criteria (All mandatory):

1. **BBA.** Students who are currently in their 2nd year.
MBA. Students who are currently in their 1st year.
BA. Students from the branch (Economics) who are currently in 2nd year.
2. CGPA > 7.
3. No standing backlogs in the courses

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

Please submit your application through SRMAP Student Portal by no later than Sunday, 25 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmap.edu.in

For any technical support, please write to itkm.helpdesk@srmap.edu.in

The shortlisted candidates will be called for interviews in due course.

Semester Abroad Program (SAP) - Spring 2024



“Make your January to June Semester International”.

Turkey

*Last date to Apply (SRM AP Student Portal) – **September 23, 2023**

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accomo.)	Total Cost (Approx)
1	Anadolu University	1201-1400	2022	4	Bachelor of Business Administration		7	Waived Off	5,00,000	5,00,000
			2022	4	Bachelor of Arts	Economics	7			
2	Halic University		2021	6	Bachelor of Technology	Electrical and Electronics Engineering	8	1,50,000	2,50,000	4,00,000
				6	Bachelor of Technology	Computer Engineering	8			
				6	Bachelor of Technology	Mechanical Engineering	8			

*Student applying to SAP should have **NO** existing backlog.

*Please submit your application through **SRMAP Student Portal** by no later than **Saturday, 23 September 2023**. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.



**MEMORANDUM OF UNDERSTANDING
BETWEEN
HALIC UNIVERSITY ISTANBUL - TURKEY
AND
SRM UNIVERSITY, AP - Andhra Pradesh -INDIA**

This Memorandum of Understanding outlines the wish of Halic University and SRM University, AP - Andhra Pradesh and establish a long-term cooperation envisaged in the following areas: **1. Undergraduate and Graduate Student Exchanges and Double Degree. Faculty Exchanges, 3. Joint Research Studies and Conferences, and 4. Mutual Liaison Offices.**

The implementation of this Understanding is contingent upon full satisfaction of the requirements and expectations of the appropriate faculty governance; upon the approval of the proposal by the executive officers of both universities; and, where appropriate, by the Universities' Board of Trustees.

Any suggestions for changes in the substance or scope of this Memorandum of Understanding should be presented, in writing, by the signatories making the proposal at least 6 (six) months prior to the end of the academic year in progress.

Legal and Financial Status of Memorandum of Agreement

- Neither this Memorandum nor any following agreement is a contract to create legal and/or financial obligation outside those financial and logistical arrangements specifically listed in the General Conditions of this memorandum. This Memorandum and its subsequent agreements are designed solely to facilitate the development of mutually beneficial and collaborative initiatives.
- Notwithstanding any other provisions of this Memorandum of Understanding or any agreement concluded in pursuance thereof, no agency is created between the parties.
- Parties using their existing resources shall share all costs associated with the implementation of this Memorandum of Understanding.

- HU and SRM, Andhra Pradesh may refer to this program in their catalogs and other appropriate publications.
- This Memorandum of Understanding is to be in effect with the 2021-2022 academic year and will be valid for duration of five (5) years.

Both institutions agree on the following forms of cooperation:

1. Student Exchanges

- 1.1. Each institution is responsible to verify that the students it recommends to the exchange program are in good standing and have the necessary skills and abilities to do well in the exchange experience. To enroll, students must contact the Official Exchange Program Advisors at each institution and follow the established application guidelines, policies, and procedures required of all participants. The home institution will verify that the student selected meets the criteria for study abroad students of the partner institution. Students will complete all application procedures at the study abroad institution.
- 1.2. It has been agreed that 3 exchange students for 1 semester per calendar year may be sent from either institution, unless other arrangements are made with the appropriate administrators or university officers at both HU and SRM, AP - Andhra Pradesh.
- 1.3. For undergraduate/graduate exchange students, full tuition and fees are collected by and paid to the home institution at the home institution rate. No tuition money will be exchanged between HU and SRM, Andhra Pradesh.
- 1.4. All housing costs, book expenses, and other costs will be paid out of pocket by students at the site where they study.
- 1.5. Students participating in this program will remain registered at their own institution during their period of attendance in the study abroad program. During these time students will also have all the rights and privileges of regular students at their home institution and will be subject to the home institution's regulations and policies. Students will also have the rights and privileges of regular students at the partner institution and will be subject to the regulations and policies of the partner institution.

1.6. An exchange may be for a summer, semester, or year.

1.7. Both partners will send official transcripts for each student participating in this program. Each partner will accept the credits of students earned at the other institution during their study abroad programs.

2. Faculty Exchanges

2.1. Joint research projects.

2.2. Mutual invitations of up to one year's duration for faculty members to teach; to present lectures; to conduct seminars, symposiums, and conferences; and to share experiences with colleagues at the partner institution.

2.3. Exchange of information and scholarships in fields of interest to both partners.

2.4. Exchange of junior teaching staff members or graduate students for periods of research or training in designated fields of cooperation.

2.5. Each home institution will welcome visiting faculty members from the other institution. Neither institution is obliged to provide financial support for such visitors but agree to aid with immigration formalities in support of academic activities and information regarding suitable accommodation. The two institutions agree in principle to staff exchange and the possibility of sabbatical visits. The details of such arrangements will be negotiated at the appropriate time.

3. Joint Research Studies, Conferences and Projects

Proposals of joint and individual research projects in both institutions shall be encouraged and approvals given after both institutions fully discuss the validity of the research project and agree on issues of costs and ownership. Any joint research project shall be governed by the terms and conditions of a separately executed agreement.

4. Mutual Liaison Offices

4.1. Both Parties must try their best to establish mutual Liaison Offices to effectively manage all the mentioned cooperation activities in the home institution.

4.2. Both Parties must be in duty bound to offer the effective management and integrant assist to the mutual Liaison Offices.

4.3. This item must be set down the detail agreement item and be carried out after getting the permission from the educational law in Andhra Pradesh, India, and Turkey.

VALIDITY OF AGREEMENT

This Memorandum will become effective upon its ratification by the heads of the two institutions and after it has obtained any necessary confirmation by the internal curricular bodies of the partner institutions and by the appropriate higher authorities of the respective countries. This agreement will be valid for duration of five (5) years. Either institution may terminate this Memorandum at any time. In so doing, the duty authorized representative of the Institution initiating such action shall give written notice to the other party at least six (6) months prior to the end of the academic year then in progress, unless the parties mutually agree upon an earlier termination date. Nothing in this clause, however, shall be interpreted to the detriment of any student already matriculated in a concurrent degree program; such individual will be allowed to complete their programs.

IN WITNESS WHEREOF, the parties through their duly authorized officials do execute this Memorandum of Understanding, effective as of the day and year indicated below.

Prof. Dr. Zafer UTLU
Rector


HALIC UNIVERSITY

Prof. V. S. Rao
Vice Chancellor



SRM University, AP, Andhra Pradesh

Dear Students,

Halic University, Turkey: Semester Abroad Program (SAP) Spring 2023 (February - May 2023)

We are delighted to invite students to apply for a semester abroad at **Halic University, Turkey** for Spring 2023 semester (February - May 2023).

Halic University, Turkey	1\$ ≈ 80 INR	
Costs	USD \$	INR Rs
Tuitions Fee (this is maximum and could reduce depending on credits)	2000	1.60
Living Expenses	1500	1.20
Travel	1250	1.00
Others (Activity fee, Student Service fee, UPASS fee, New Student fee, course fee, health insurance)	875	.70
Net amount	5625	4.50

The net cost would be close Rs 5 - 6 lacs which broadly includes the host university tuition fee (waived off), health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this email carefully and only apply if you fit the criteria and interested.

Eligibility Criteria (All mandatory):

1. **B.Tech.** Students who are from the branches of engineering (Computer Engineering, Electrical and Electronics Engineering, Mechanical Engineering) currently in their 3rd year.
2. CGPA > 8.
3. No standing backlogs in the courses

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

Please submit your application through SRMAP Student Portal by no later than Sunday, 25 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmap.edu.in

For any technical support, please write to itkm.helpdesk@srmap.edu.in

The shortlisted candidates will be called for interviews in due course.

Semester Abroad Program (SAP) - Spring 2024

“Make your January to June Semester International”.

Turkey

*Last date to Apply (SRM AP Student Portal) – **September 23, 2023**

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accommo.)	Total Cost (Approx)
1	Anadolu University	1201-1400	2022	4	Bachelor of Business Administration		7	Waived Off	5,00,000	5,00,000
			2022	4	Bachelor of Arts	Economics	7			
2	Halic University		2021	6	Bachelor of Technology	Electrical and Electronics Engineering	8	1,50,000	2,50,000	4,00,000
				6	Bachelor of Technology	Computer Engineering	8			
				6	Bachelor of Technology	Mechanical Engineering	8			

*Student applying to SAP should have **NO** existing backlog.

*Please submit your application through **SRMAP Student Portal by no later than Saturday, 23 September 2023**. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.



SRM University Andhra Pradesh
Neerukonda Mangalagiri Mandai
Guntur District, Mangalagiri
Andhra Pradesh 522502

6th October 2021

Dear Dr. Naga Swetha Pasupuleti

Re: SRM University Andhra Pradesh Bachelor and Master programmes and Singapore Campus of James Cook University's Study Aboard Programmes.

We are pleased to confirm this letter, outlining our arrangement for students from Bachelor and Master programmes from SRM University Andhra Pradesh to be eligible to apply for Study Aboard courses at Singapore Campus of James Cook University.

SRM University Andhra Pradesh	Singapore Campus of James Cook University
Bachelor Program	Study Aboard Program (1 Trimester) – 4 subjects.
Bachelor Program	Study Aboard Program (2 Trimesters) – 8 subjects
Master Program	Study Aboard (1 Trimester) - Postgraduate – 4 subjects.

This is conditional on the syllabus for both parties remains unchanged. In case of changes to the course syllabus, both parties must keep each other informed.
Please note that:

- Entry into James Cook University's Study Aboard Program is subject to the student meeting the entry requirements including English language entry requirements which may be reviewed annually. Both parties will be informed on the outcome of the review.
- This letter is good through 5th October 2024.

If you have any questions relating to this matter, do not hesitate to contact me at campusdean-singapore@jcu.edu.au

We look forward to working with SRM University Andhra Pradesh!

Regards

Professor Abhishek Bhati
Campus Dean and Head of Learning, Teaching and
Student Engagement
James Cook University, Singapore

Prof. V. S. Rao
Vice Chancellor
SRM University, AP - Andhra Pradesh



Cairns
Singapore
Townsville

James Cook University
149 Sims Drive Singapore 387380 | T +65 6709 3888 | W www.jcu.edu.sg

CPE Registration No. 206100/86K | Period of Registration: 11 July 2018 to 12 July 2022 | James Cook University Australia CRICOS Provider Code 101171
James Cook University Australia offers pathway undergraduate and postgraduate programs at the Singapore campus of James Cook University

Dear Students,

James Cook University (JCU), Singapore: Semester Abroad Program (SAP) Spring 2023 (January to May 2023)

We are delighted to invite students to apply for a semester abroad at **James Cook University (JCU), Singapore** for Spring 2023 semester (January - May 2023).

James Cook University (JCU), Singapore		1S\$ ≈ 58 INR
Costs	Singapore \$	INR (Lacs)
Tuitions Fee (this is maximum and could reduce depending on credits)	10000	5.80
Living Expenses	6000	3.48
Travel	5500	3.20
Others (Activity fee, Student Service fee, New Student fee, course fee)	1000	.58
Total (Approx.)	22500	13.06

The net cost would be close Rs 13- 15 lacs which broadly includes the host university tuition fee, health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this notification carefully and only apply if you fit the criteria

1. Eligibility Criteria (All mandatory):

1. **B.B.A.** – Students studying in the 2nd year
M.B.A - Students studying in 1st year.
B.Com. - Students studying in 2nd year.
B.A. - Students from branches (Economics, Psychology) in their 2nd year.
B.Sc. - Students from branches (Computer Science) in their 2nd year.

2. CGPA > 7

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

Please submit your application through SRMAP Student Portal by no later than Thursday, 1 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmap.edu.in

For any technical support, please write to itkm.helpdesk@srmap.edu.in

The shortlisted candidates will be called for interviews in due course.

Semester Abroad Program (SAP) - Spring 2024



“Make your January to June Semester International”.

Singapore

*Last date to Apply (SRM AP Student Portal) – **September 23, 2023**

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accomo.)	Total Cost (Approx)
1	James Cook University	461	2022	4	Bachelor of Business Administration		7	5,80,000	6,00,000	12,00,000
			2022	4	Bachelor of Commerce		7			
			2022	4	Bachelor of Science	Computer Science	7			
			2022	4	Bachelor of Arts	Psychology	7			

*Student applying to SAP should have **NO** existing backlog.

*Please submit your application through SRMAP Student Portal by no later than **Saturday, 23 September 2023**. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.

Revised



छत्तीसगढ़ CHHATTISGARH

N 821367

Date: 04th August, 2021

Memorandum of Understanding

Between

Indian Institute of Technology Bhilai

AND

SRM University AP, Andhra Pradesh

This Memorandum of Understanding (hereinafter referred to as "MOU") is made on August 2021 (Month, Year) between the Indian Institute of Technology Bhilai, an educational institute created under the Institutes of Technology Act, 1961 as amended by the Institute of Technology (Amendment) Act, 2016, and situated at GEC Campus, Sejbahar, Raipur-492015, Chhattisgarh, India, (hereinafter referred to as 'IIT BHILAI' which expression shall, unless repugnant to the context or meaning thereof, mean and include its successors, and permitted assigns), of the one part.

And

SRM University-AP, which was established in the year 2017 under the Andhra Pradesh Private Universities Act, 2016 in Amaravati, Andhra Pradesh, India, hereinafter called the "SRM U-AP" (which expression shall

[Signature]

Sabyasachi Mulchopadhyay

[Signature]

[Signature]

क्रमांक 11350 दिनांक 4/8/21 कोटि 100

वेक्रेता IIT पिता/पति

निवास Bhiwar

नामकत Rajy Sahu


केता

निवास

वापरी AOS



DISTRICT TREASURARY OFFICER
25 JUL 2021
BAMPUR (HATTISGARH)


Sabyasachi Mukhopadhyay

unless it be repugnant to the context or meaning thereof, mean and include its successors in office and assigns) on the other Part.

IIT Bhilai and SRM U-AP have received a research project (herein after referred to as "Project") titled "A HALIDE PEROVSKITE BASED PHOTOANODE FOR OXYGEN EVOLUTION REACTION USING A MOLECULAR DIODE IN A HYBRID NANOMETER SCALE PROTECTION LAYER" sanctioned by DST under Indo-Israel Joint Research Co-operation-IJRC scheme. IIT Bhilai and SRM-U desired to enter into a memorandum of understanding for smooth execution of the project as per its objectives.

Areas of Collaboration

The project aims to formulate a lead halide perovskite (LHP) based photoanode and its application for driving oxygen evolution reaction (OER) considering the following objectives need to be accomplished such as (i) fabrication of high voltage LHP based Solar Cell, (ii) integration of LHP, molecular wires, and ultra-thin MO or MO_r layer, and (iii) multi-scale characterization of LHP/ultra-thin MW@oxide layer (by electrochemical impedance spectroscopy and advanced atomic force microscopy). In order to meet these goals, the project envisages to engage with international researchers from Ben Gurion University of the Negev, Israel (hereinafter referred to as international collaborator) to provide a platform to share and exchange the best practices, to facilitate the exchange program of students, to establish channels of communication and co-operation.

Modes of Collaboration

1. Dr. Satyajit Gupta (PI from IIT Bhilai) and Dr. Sabyasachi Mukhopadhyay (Co-PI from SRM U-AP) shall be the single point of contacts at IIT Bhilai and SRM U-AP respectively.
2. PI and Co-PI shall hold regular meetings to discuss the research problems and other related issues.
3. PI and Co-PI shall jointly carry out research as envisaged in this agreement and establish channel of communication and co-operation to achieve goals of this project.
4. For smooth execution of the project, the PI, Co-PI or students involved in this project may need to travel to utilize the facilities and to carry out research discussions/experiment at the facility of the international collaborator. All travel and related expenditures in this regard shall be carried out by IIT Bhilai as per applicable rules at IIT Bhilai and subject to the availability of funds under appropriate head and necessary approvals.
5. For the visits by the researchers from the International collaborator, IIT Bhilai shall be responsible for local hospitality as per the applicable rules of IIT Bhilai and subject to the availability of funds under appropriate head and necessary approvals.
6. Co-PI shall be responsible for ensuring the timely submissions of all bills related to expenditure incurred at SRM including TA bills etc. for expenditures/settlement of advance if any within reasonable time. (15 days)
7. Whenever an ambiguity arises in applicability of rules for any financial settlement, the prevailing rules at IIT Bhilai shall be applicable and binding to both parties.
8. No advance shall be payable to SRM U-AP by IIT Bhilai for the conduct of the project. Any expenditure shall be settled only on reimbursement basis.
9. IIT Bhilai shall be responsible for settlement of accounts in relation to the project with the funding agencies or any statutory bodies. SRM U-AP shall support IIT Bhilai in this regard by providing

Sabyasachi Mukhopadhyay

S. S. S.

necessary document or clarifications if and when sought by IIT Bhilai.

10. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party.

Confidentiality

During the term of this MOU and after termination of this MOU, each Party will treat all information exchanged by the Parties or its employees as confidential. All such information will be treated as the property of the disclosing Party and will be returned to it immediately on request.

Dispute resolution

In the event of any differences or disputes arising out of the interpretation or application of the provisions of this MOU, the parties shall resolve such differences or disputes in a spirit of mutual understanding and co-operation. In the case a dispute is not resolved, the same shall be presented to Director, IIT BHILAI. The decision of the Director, IIT BHILAI shall be binding to both parties. In case of dispute not getting resolved, the guidelines of DST in context with project shall be used to resolve the dispute and shall be binding to all without any further reference.

Duration of MOU

This MOU, unless extended by mutual written consent of the parties, shall expire with the submission of final project report to DST or two years from the start of the project whichever is earlier.

Signed in Duplicate

This MOU is executed in duplicate with each ink signed copy being an official version and having equal legal validity. By signing below, the parties, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.



Dr. Barun Gorain
Faculty In-Charge
Dean of Research and Development
IIT Bhilai

Faculty Incharge
Research & Development
Indian Institute of Technology Bhilai
Raipur (Chhattisgarh)
Authorized Signatory with Official Seal

Witness:



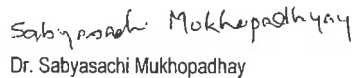
Dr. Satyajit Gupta



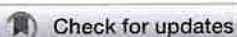
Prof. D Narayana Rao
Pro Vice Chancellor
SRM U-AP

**Prof. D. Narayana Rao
Pro Vice Chancellor
SRM UNIVERSITY AP
Amaravati, AP-522503**

Authorized Signatory with Official Seal



Dr. Sabyasachi Mukhopadhyay



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Effect of formamidineium (FA) ions on mixed 'A'-site based bromide perovskite (APbBr₃) thin films†

Deepak Aloysius,^a Arindam Mondal,^a Satyajit Gupta,^{id}*^a Eran Edri^{id}^b and Sabyasachi Mukhopadhyay^c

Hybrid organic–inorganic perovskites (HOIPs) have become promising candidates for future photovoltaics (PV) with significant advancements in their performance over recent years. Along with PV, HOIPs possess applications in photodiodes, photodetectors, photocatalysis, and memory devices. Generally, perovskites are structurally flexible to accommodate various cations on their respective sites through compositional engineering, thereby altering the characteristic material properties of the system. HOIPs have ABX₃ structures, in which organic or inorganic moieties occupy the monovalent 'A' site. In this work, the effect of formamidineium (FA) on the optical and morphological properties of HOIPs using two different bromide perovskites – FA_{0.5}MA_{0.4}Cs_{0.1}PbBr₃ and MA_{0.9}Cs_{0.1}PbBr₃ – is examined. After 'FA' modification, we noticed a reduction in the bandgap and an increase in the grain size of the FA_{0.5}MA_{0.4}Cs_{0.1}PbBr₃ perovskite compared with the MA_{0.9}Cs_{0.1}PbBr₃ perovskite. As a result, a better photocurrent response during photoelectrochemical analysis and an improved power conversion efficiency (PCE) for photovoltaic devices were detected with the FA-modified HOIP (FA_{0.5}MA_{0.4}Cs_{0.1}PbBr₃).

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Introduction

Hybrid organic–inorganic perovskite (HOIP) materials have actively been researched due to their significant advancement in photovoltaic (PV) performance for several years. The power conversion efficiency (PCE) of perovskite solar cell devices has grown from 3.13%¹ to 25.2%.² Along with PV, HOIPs also find applications in photodetectors,³ light-emitting diodes,⁴ photocatalysis,⁵ and memory devices.⁶ This is attributed to their characteristic material properties such as high absorption coefficients,⁷ tunable bandgaps,⁸ and considerable carrier diffusion lengths.⁹ Also, HOIP thin films can be obtained through easy and low-cost fabrication methods.¹⁰ The optimization of perovskite material performance for various applications is primarily obtained through compositional engineering.¹¹ Generally, HOIPs have three-dimensional (3D) structures represented as ABX₃, where the 'A' site is occupied by a combination of monovalent organic moieties such as FA (formamidineium; HC(NH₂)₂⁺) and MA [(methylammonium; CH₃NH₃⁺)], and inorganic cations such as

Cs⁺ (cesium), Rb⁺ (rubidium) and K⁺ (potassium). Further, the B-site is occupied by metals such as Pb²⁺ (lead) or Sn²⁺ (tin), and the X-site is occupied by halide species such as I[−] (iodide), Br[−] (bromide), and Cl[−] (chloride) or pseudohalides such as SCN[−] (thiocyanate). The monovalent A-site significantly influences the optical properties and stability of HOIPs.¹² The latest developments in mixed 'A' site perovskite materials research include 'A' site cation engineering for the development of blue emissive light emitting diodes,¹³ influence of Cs on the dynamics of mixed cation wide bandgap bromide-based perovskites,¹⁴ hydrogen bonding effect on the electronic properties of mixed FA–MA lead iodide-based perovskites¹⁵ and so on.

This work reports the effect of FA on a mixed cation lead bromide perovskite. Earlier reports on a pure FA-based lead halide perovskites (FAPbI₃) indicated that it has a suitable direct bandgap, superior thermal stability, extended charge diffusion,¹⁶ and longer lifetime over MA and Cs⁺ monocations.¹⁷ But on the other hand, FA exhibits phase instability between the 3D perovskite black α -phase and the non-perovskite yellow δ -phase.^{18,19} Furthermore, among these two phases, the probability of FA stabilizing in the non-perovskite yellow δ -phase is high because of its large size (253 pm).¹⁹ But the partial substitution of monovalent MA or Cs⁺ along with FA inhibits its phase transformation towards the non-perovskite yellow δ -phase.¹⁸ After considering the above-mentioned observations, we explored the impact of FA on the optical and morphological properties

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using two different lead bromide HOIPs: $\text{FA}_{0.5}\text{MA}_{0.4}\text{Cs}_{0.1}\text{PbBr}_3$ and $\text{MA}_{0.9}\text{Cs}_{0.1}\text{PbBr}_3$.

Cyclic voltammetry (CV) was performed to obtain information regarding the valence band (VB) maximum energy level of HOIPs. Earlier, Cardenas-Morcoso *et al.* reported that the electrochemical bandgap measured with the CV analysis is in good agreement with the optical bandgap obtained through PL for some perovskite quantum dots (QD) such as $\text{CsPb}_{0.4}\text{Sn}_{0.6}\text{I}_3$, CsPbI_3 , $\text{CsPb}(\text{I}_{0.5}\text{Br}_{0.5})_3$, and CsPbBr_3 .²⁰ Also, Samu *et al.* reported the challenges in determining the bandgap by the electrochemical method for CsPbBr_3 and MAPbI_3 perovskites.²¹ Furthermore, electrochemical impedance spectroscopy (EIS) analysis was performed to obtain information regarding perovskite–electrolyte interface activities, which can be correlated to the perovskite morphology. Earlier, Srivastava *et al.* reported the effect of the MAPbI_3 perovskite fabricated with different morphologies on the diffusion of charge carriers across the perovskite–electrolyte interface *via* EIS analysis.²²

From this work, it was observed that the VB maximum of $\text{FA}_{0.5}\text{MA}_{0.4}\text{Cs}_{0.1}\text{PbBr}_3$ is lower than that of $\text{MA}_{0.9}\text{Cs}_{0.1}\text{PbBr}_3$. We attributed this energy level variation to the lattice expansion in the $\text{FA}_{0.5}\text{MA}_{0.4}\text{Cs}_{0.1}\text{PbBr}_3$ perovskite. Further, the EIS analysis shows a lower charge transfer resistance across the perovskite–electrolyte interface (R_{ct}) for the $\text{FA}_{0.5}\text{MA}_{0.4}\text{Cs}_{0.1}\text{PbBr}_3$ perovskite over the $\text{MA}_{0.9}\text{Cs}_{0.1}\text{PbBr}_3$ perovskite because of its relatively large grains with a smaller grain boundary density.

Experimental section

Materials

Titanium isopropoxide ($\text{C}_{12}\text{H}_{28}\text{O}_4\text{Ti}$, 97%), diethanolamine ($\text{C}_4\text{H}_{11}\text{N}$, reagent grade, $\geq 98\%$), titanium dioxide (TiO_2 , non-powdery, 21 nm primary particles, trace metal basis), poly[bis-(4-phenyl)(2,4,6-trimethylphenyl)amine] [$[\text{C}_6\text{H}_4\text{N}(\text{C}_6\text{H}_2(\text{CH}_3)_3)\text{C}_6\text{H}_4]_n$, 99.95%, trace metal basis), chlorobenzene ($\text{C}_6\text{H}_5\text{Cl}$, anhydrous, 99.8%), 4-*tert*-butyl pyridine ($\text{C}_9\text{H}_{13}\text{N}$, 96%), bis(trifluoromethane)sulfonimide lithium salt ($\text{CF}_3\text{SO}_2\text{N}(\text{LiSO}_2\text{CF}_3)$, 99.95%, trace metal basis), methyl ammonium solution (CH_3NH_2 , 40 wt% in H_2O), hydrobromic acid (HBr, 48 wt% in H_2O , 99.99%), hypophosphorous acid solution (H_3PO_2 , 50 wt% in H_2O , 99.99%), cesium bromide (CsBr , trace metal basis, 99.99%), lead bromide (PbBr_2 , $\geq 98\%$), *N,N*-dimethyl formamide ($\text{C}_3\text{H}_7\text{NO}$, anhydrous, 99.8%), dimethyl sulfoxide ($\text{C}_2\text{H}_6\text{OS}$, anhydrous, 99.8%), toluene (C_7H_8 , anhydrous, 99.8%), acetonitrile ($\text{C}_2\text{H}_3\text{N}$, anhydrous, 99.8%), dichloromethane (CH_2Cl_2 , anhydrous, $\geq 99.8\%$), tetrabutylammonium hexafluorophosphate (TBAPF₆, $\text{C}_{16}\text{H}_{36}\text{F}_6\text{NP}$, 98%), formamidinium bromide (CH_5BrN_2 , $\geq 98\%$), 4-*tert*-butylpyridine ($\text{C}_9\text{H}_{13}\text{N}$, $\geq 98\%$) and ferrocene ($\text{C}_{10}\text{H}_{10}\text{Fe}$, 98%) were procured from Sigma-Aldrich. Ethylcellulose 46, ethylcellulose 10 (low viscosity), and α -terpineol ($\text{C}_{10}\text{H}_{18}\text{O}$, anhydrous, extra pure) were procured from LOBA CHEMIE. Diethyl ether, anhydrous ($(\text{C}_2\text{H}_5)_2\text{O}$) and ethanol ($\text{C}_2\text{H}_5\text{OH}$, 99.9%) were procured from Finer and Changshu Hongsheng Fine Chemicals, respectively. All chemicals and reagents were used without further purification. The thin-film fabrication of HOIPs was carried out over non-conductive plain glass slides for XRD, PL, and TRPL

experiments, and the rest of the experiments were carried out using thin films fabricated over fluorine-doped tin oxide (FTO) coated glass slides.

Materials characterization

The HOIP thin films were prepared by utilizing an EZspin-A1 Apex spin coater on glass and FTO substrates. The X-ray diffraction (XRD) analysis was carried out with a Bruker D8 Advance X-ray diffractometer using $\text{Cu K}\alpha'$ (1.54 Å) radiation at 40 mA current and 40 kV potential in the diffraction angle (2θ) range of 10–50°. Further, the photoluminescence (PL) spectroscopy analysis was performed using a Fluorolog FL3-211 HORIBA Scientific with a 450 watt xenon arc lamp. The UV-visible spectroscopy analysis was performed using a Shimadzu UV-2600 in the wavelength range from 450 nm to 600 nm. Time-resolved photoluminescence (TRPL) analysis was performed using HORIBA Scientific DeltaFlexTM and DeltaProTM Fluorescence Lifetime Systems using 453 nm excitation pulses and the software used was EzTime. The scanning electron microscopy (SEM) images (cross-section and surface morphology) were captured using Zeiss Gemini SEM500 instruments. The HOIP thin film samples were sputtered with gold for 2 minutes before SEM analysis to make the surface conductive.

For photoelectrochemistry-related experiments and analyses in our studies, a Metrohm Dropsens $\mu\text{Stat-i}$ 400s electrochemical analyzer with a three-electrode setup and DropView 8400 software were used. The HOIP thin film was illuminated using a calibrated solar simulator (model: ScienceTech) with a light intensity equivalent to one sun (1.5 AM) to perform the photoelectrochemical experiment.

The current density–voltage (J – V) measurement was carried out (photocurrent and dark current) with a 2400 series source meter (Keithley). The source light with an intensity equivalent to one sun (1.5 AM) was used for the J – V measurement provided by a Class AAA SS-F5-3A steady-state solar simulator (Enlitech). The EQE (external quantum efficiency) analysis was carried out using a quantum efficiency measurement system (QE-R, Enlitech) at zero bias voltage. The measurement was calibrated using a standard silicon photovoltaic cell with incident monochromatic light.

Methods

Materials synthesis. Methylammonium bromide (MABr) was synthesized by adding an equimolar concentration of CH_3NH_2 to HBr in ethanol solution for 2 hours in an ice bath to prevent the vaporization of CH_3NH_2 . A few drops of H_3PO_2 were added during the reaction to inhibit unnecessary side reactions. After completion of the chemical reaction, a white salt of MABr was obtained. The remaining solvent was evaporated, and the desired product was washed in $(\text{C}_2\text{H}_5)_2\text{O}$, filtered, and dried for further use.

Fabrication of compact TiO_2 (c- TiO_2). The synthesis of c- TiO_2 was carried out by a method reported earlier with minor modifications.²³ An equimolar mixture of titanium isopropoxide and diethanolamine dissolved in ethanol was used as the precursor solution. The precursor solution was spin-coated over the

Asymmetrical Electrical Performance across Different Planes of Solution-Grown MAPbBr₃ Crystals of mm Dimensions

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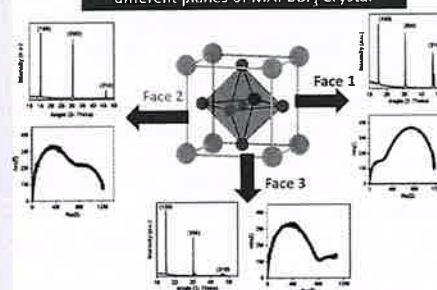
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Supporting Information

ABSTRACT: Throughout a few years, carrier transport studies across HaP single crystals have gained enormous importance for current generation photovoltaic and photodetector research with their superior optoelectronic properties compared to commercially available polycrystalline materials. Utilizing the room-temperature solution-grown method, we synthesized MAPbBr₃ crystals and examined their electrical transport properties. Although the X-ray diffraction reveals the cubical nature of the crystals, we have observed anisotropy in the electrical transport behavior and variation in dielectric constant across the three opposite faces of the crystals of mm dimensions. The face with a higher dielectric constant depicts improved parameters from electrical characteristics such as lower trap densities and higher mobility values. We further explore the origin of its anisotropic nature by performing X-ray diffraction on three opposite faces of crystals. Our studies define the specific faces of cuboid-shaped MAPbBr₃ crystals for efficient electrical contact in the fabrication of optoelectronic devices.

Asymmetric Electrical Performance across different planes of MAPbBr₃ Crystal



INTRODUCTION

Lead halide perovskites have been widely used in solar cells and photodetectors and play a significant role in the semiconductor industry with 25.7% of power conversion efficiency.^{1–6} Polycrystalline halide perovskite materials used in most optoelectronic applications are generally fabricated by drop-casting or spin-coating techniques. They possess a high density of defects, especially at grain boundaries, thus reducing the performance of carrier mobility across the crystals.^{7–9} In that respect, lead halide perovskite single crystals with lower grain boundaries and carrier recombination have become more promising in optoelectronic applications, as demonstrated in recent studies.¹⁰ Various methods have been used to synthesize halide perovskite materials, including the inverse temperature crystallization method, crystallization by the anti-solvent vapor-assisted way, and the traditional high-temperature Bridgman method.^{11–17} Trap density and carrier mobility are among the main factors that hinder the efficiency in device applications of organic halide perovskites. Thus, there is a requirement to synthesize more straightforward and cost-effective halide perovskite crystals with lower trap density and high carrier mobilities. Instead of expensive precursor salts and toxic solvents, we synthesized MAPbBr₃ crystals using *N*-methyl formamide (NMF) as a solvent that contributes to methylammonium ions (MA = CH₃NH₃⁺) at room temperature.¹⁸

Structural properties of the crystals, such as crystal plane orientation and grain boundaries, could play a crucial role in device performance made of perovskite crystals. For example, in the case of crystals, the electrical parameters such as trap

density and carrier mobilities alter with various crystal plane directions, impacting electrical transport performance and charge carriers' injection/extraction efficiencies.^{13,19–25} In XRD methods, performed on three faces of the crystals, we have obtained the presence of various crystal plane orientations on three opposite faces of our synthesized perovskite crystals. We have explored the electrical characteristics of synthesized perovskite crystals across their different faces to investigate the crystal structure effect on electronic transport. In this work, we have studied how the structural arrangement of perovskite crystals affects their electrical characteristics across the various opposite faces, which leads to efficient electrical contact in the device fabrication. In addition, we have explored the effect of grain boundaries on the electrical properties by studying the electrical characteristics across powdered crystals in the pellet form and comparing them with the electrical properties along with various opposite faces of the mm dimension MAPbBr₃ crystals.

EXPERIMENTAL SECTION

Synthesis Methods of MAPbBr₃ Single Crystals and Pellets Made out of Powdered Crystals. A low-temper-

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ature solution-grown synthesis method was used to prepare MAPbBr₃ crystals, and the detailed procedure is discussed in the previous literature.¹⁸ In brief, PbBr₂ was dissolved in NMF containing HBr by sonication and vortexing (Figure S1). It was then left in the dark for 48 h to obtain the mm dimension bulk MAPbBr₃ crystals.¹⁰

The bulk crystals were powdered using the ball mill method by grinding the crystals into fine powder of micro–nano crystal dimensions. Then, an adequate amount of powder was pressed using a hydraulic press to make the pellet. Finally, pellets with a diameter of 8 mm were made and kept for thermal annealing at 200 °C in a vacuum to obtain the structural stability of the pellet.

Structural Characterization. Previous studies have examined and reported the structural properties of MAPbBr₃ crystals in powder form.¹⁰ The XRD analysis of the crystal has been performed on the different faces of MAPbBr₃ crystals using a Bruker D8 Advance, Cu–K(alpha) X-ray diffractometer with X-rays of wavelength 1.54 Å and analyzed using Rietveld refinement and peak fittings.

Electrical Measurements:

The electrical measurements across the various faces of the crystals and pellets were performed using the Keithley source measurement unit 2636B series with a 0–20 dc applied bias range. The electrical properties of the crystal faces and the pellets were performed by coating with the silver metal paste on opposite surfaces of crystals and pellets (Figure 1). The

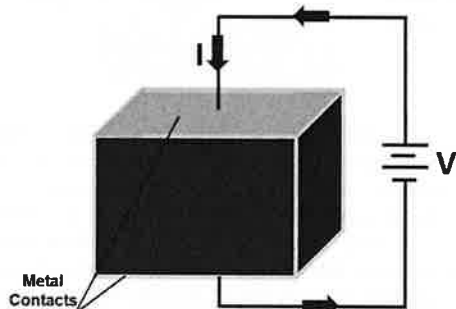


Figure 1. Schematic electrical measurements across the different opposite faces of the MAPbBr₃ crystals and pellets.

current across opposite faces of a crystal was measured with the applied bias range from 0 V to 20 V. In addition, the current–voltage characteristics were analyzed following the space charge limited current (SCLC) method. As a result, electrical parameters such as trap density and carrier mobilities

were obtained, affecting the device efficiency of the crystals for optoelectronic applications.

Dielectric Measurements. The dielectric measurements of MAPbBr₃ crystals across various faces and the pellet made from the powdered crystals were performed by impedance spectroscopy.²⁶ A silver paint layer was applied on the opposite faces of crystals, and pellets of MAPbBr₃ crystals served as an electrical contact in dielectric measurements. The voltage at the probe impedes the dielectric layer across the metal contacts (Figure 1). Measurements were carried out with an impedance analyzer (Wayne Kerr Inc. 6500B series of 20 Hz to 10 MHz frequency range) under both dark and green illumination [using green light-emitting diode (LED) $\lambda \sim 560$ nm] conditions.

RESULTS AND DISCUSSION

We have illustrated a schematic of MAPbBr₃ crystals in a cubic structure in Figure 2a. The corner atoms represent bromine ions, and the central green part represents the MA ions. Optical images of solution-grown MAPbBr₃ crystals at our laboratory with their relative dimensions are shown in Figure 2b. Our analysis has defined a specific MAPbBr₃ crystal (Figure 2c) with a side length of 4 mm as face I, 3 mm as face II, and 2 mm as face III.

Dielectric Properties. Our experiments considered cuboid geometrical shaped MAPbBr₃ crystals of different faces with various surface dimensional areas. The dielectric studies of MAPbBr₃ crystals across opposite faces were performed using an impedance spectroscopy tool, where resistance and reactance, known as real and imaginary parts of the impedance, with applied ac voltages (ranging from 10–500 mV non-uniformly) were measured. These dielectric measurements were performed for the crystals across the opposite faces under dark and green LED illumination conditions (wavelength ~ 560 nm). Intrinsic carrier concentrations consisting of electrons, holes, and free ions within the crystals under dark conditions participate in electronic transport.²⁶ Under green illumination, more photogenerated carriers are incorporated in electronic transport with various applied biases. Figure 3a–c represent the Nyquist plot of impedance measurements across three opposite faces of cuboidal-shaped MAPbBr₃ crystals. We expected near-symmetric dielectric behavior from cubic crystals along the three opposite surfaces. However, for most of our synthesized MAPbBr₃ crystals (with dimensions between 2 and 4 mm), we have observed different dielectric behaviors across various faces of the crystals, which we further investigated and discussed. Some of the opposite surfaces of MAPbBr₃ crystals showed similar impedance behavior as the

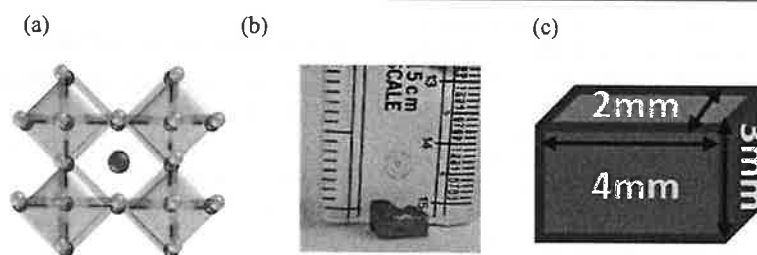


Figure 2. (a) Schematic of the cubic MAPbBr₃ structure; the central green region represents the MA cation, and the blue dots represent the Br atoms (b) One of the synthesized MAPbBr₃ crystals. (c) Dimension of the specific MAPbBr₃ crystal considered in our analysis.



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Room-temperature cost-effective in-situ grown MAPbBr₃ crystals and their characterization towards optoelectronic devices

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ABSTRACT

We report the in-situ, room-temperature synthesis of methylammonium lead bromide CH₃NH₃PbBr₃ crystals using N-methyl formamide as a source of methylammonium (MA⁺) ions during the crystallization process to explore the structural, dielectric, and electronic properties of CH₃NH₃PbBr₃ crystals for optoelectronic applications. Optical absorption and radio-luminescence measurements affirm the direct bandgap nature of the crystals. Impedance spectroscopy measurements with various applied AC voltages within the 20 Hz–10 MHz frequency range depict the influence of ionic motions on electrical transport across crystal planes. We have extracted electrical transport parameters in CH₃NH₃PbBr₃ crystals from the Nyquist plots, which we found to be distinctly varied wherein two different AC voltage amplitude regimes, broadly for 10–50 mV and 100–500 mV AC voltage range.

1. Introduction

In the current generation of light-emitting diodes and photovoltaic technology, halide perovskite (HaP has a general structure of AMX₃; where, A – monovalent cation; M – metal ion, generally lead-Pb²⁺ and X – halide species) based materials have emerged as leading semi-conducting candidates [2–9]. The HaP function as active layers in these optoelectronic devices and are rich in electronic-ionic semiconductor behaviour [10]. Low processing costs and higher quantum yield make HaP-based materials advantageous for small area photovoltaic devices compared to dye-sensitized solar cells (DSSCs) [11]. Studies have reported that some specific compositions of HaP, which act as active layers for photovoltaics, acquire high photo conversion efficiency (PCE) of over 25% [12,13]. Not only for photo conversion, in the last few years HaP based materials have proven their capability to apply tuneable light-emitting diodes (LEDs), photodetectors, and high energy X-ray radiation detectors. On this front, HaP crystals grown from low-cost solution process methods produce broad attention and benefit optoelectronic devices for future commercialization with great potential. Generally, to overcome the limitation of incomplete attenuation of X-rays with the polycrystalline materials in X-ray detection, HaP single crystals are preferred. Recent studies have reported that organic halide perovskite crystals showed higher carrier recombination lifetime and

mobilities in the absence of grain boundaries and their smaller trap densities [14]. The distinctive chemical and physical properties, such as the absence of deep traps, large mobility (μ) and lifetime (τ) product, and relatively low-cost solution-processable crystallization method make organic HaP crystals suitable for next-generation ionization detector materials [15,16].

Recently, bulky single HaP crystals were developed at various research laboratories following a kinetic crystallization theory, including nucleation and crystal growth approaches. HaP single crystals of different compositions, sizes, and the faces exposed were developed using multiple growth techniques, including crystallization by anti-solvent vapor assisted method [17], traditional high-temperature Bridgman method [18], inverse temperature crystallization method [19–21]. It was reported that the dimension of the HaP crystal grown under various nucleation processes varies with static equilibrium stability of the saturated solution and crystalline speed as both have paramount importance for increasing large-scale HaP crystal with high quality. A more straightforward and cost-effective route of crystal deposition is required in growing scalable crystals for optoelectronic devices and industry purposes. Thus, as a source of methylammonium (MA⁺) ions, we have used N-methyl formamide (NMF) in this study to synthesize MAPbBr₃ crystals at room temperature [22]. The wide approachability of this method lies in avoiding expensive precursor salts

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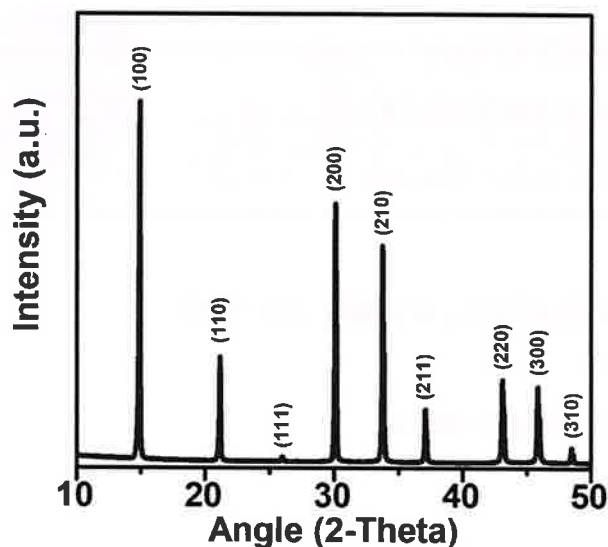


Fig. 1. The powder XRD plot of the MAPbBr₃ crystals.

and eliminating the use of toxic solvents [22].

From the perspective of device fabrication with MAPbBr₃ crystals, we have explored the optical absorption and luminescence properties of our synthesized MAPbBr₃ crystals with UV-Visible and X-ray radio-luminescence methods. Furthermore, the thermal stability of MAPbBr₃ crystals was examined until 650 °C using thermogravimetry (TGA) analysis. Charge transport mechanism, non-radiative recombination, and the impact of ion migration are the most dominating factors in device efficiency for thin-film HaP photovoltaics. Hence, they have gained attention within perovskite research communities. Herein, we have explored these limiting factors for MAPbBr₃ crystals; indeed, the impact of ion migration on electrical transport across perovskite crystals

has been critically studied with a non-destructive impedance spectroscopy (IS) technique which could play a key role in improved performance of crystal-based perovskite optoelectronic devices.

2. Experimental section

2.1. Crystal growth methods

Crystals of MAPbBr₃ were successfully developed by an in-situ method using N-methyl formamide (NMF) as a solvent and a source of MA⁺ ions, as shown in the mechanism in Figure (S1). In the experiment, 1 M of lead bromide (PbBr₂) salt was dissolved in mixed hydrobromic acid (HBr)/NMF (70% ratio) solvent by vortex mixing for 1 h at room temperature. Hydrobromic acid (48%), Lead Bromide (99.999%), and N-methyl formamide (99%) were procured from Sigma-Aldrich, and all these chemicals are used without further purification. Subsequently, the solution was kept under dark conditions over two days to obtain MAPbBr₃ crystals [22]. Figure (S2) represents MAPbBr₃ crystals with

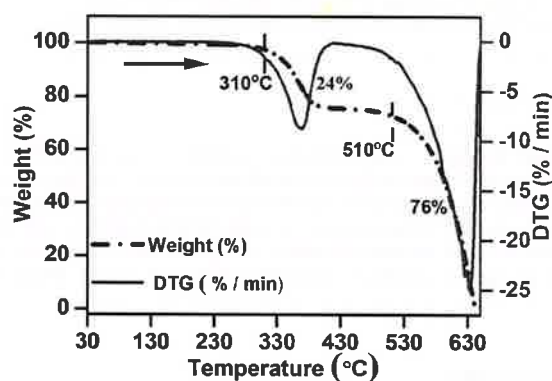


Fig. 3. Thermal stability analysis of MAPbBr₃ crystals.

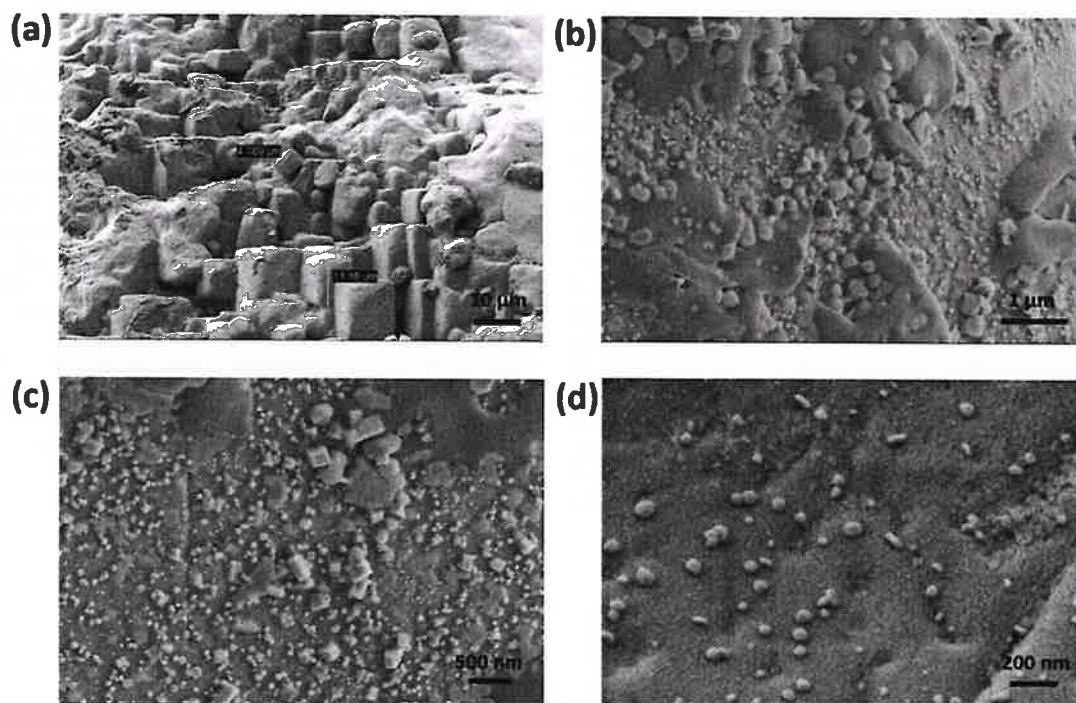


Fig. 2. SEM images of MAPbBr₃ crystal surfaces at different length scales of a) 10 μm, b) 1 μm, c) 500 nm, and d) 200 nm. (Optical images of MAPbBr₃ crystals are reported in supporting part figure S2).

Minutes of Meeting

Details of the meeting along with date & time and venue

Eran Edri is inviting you to a scheduled Zoom meeting.

Join Zoom Meeting

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Passcode: 050740

Participants: Dr. Satyajit Gupta Dr. Sabyasachi Mukhopadhyay and Dr. Eran Edri

Absentees: Dr. Satyajit Gupta Dr. Sabyasachi Mukhopadhyay and Dr. Eran Edri

Agenda: Experiment details discussion

S. No	Discussion Points	Response	Action Taken
1	Experiment details discussion on 13 Sept 2021	Great	Experiment will be conducted as discussed


Signature of the concerned authority along with seal

**MEMORANDUM OF UNDERSTANDING
FOR "3+X" PROGRAM**

BETWEEN

**SRM UNIVERSITY - AP, ANDHRA PRADESH
Neerukonda, Mangalgi
Amravati, 522240
INDIA**

AND

**THE REGENTS OF THE UNIVERSITY OF CALIFORNIA,
ON BEHALF OF THE DAVIS CAMPUS
One Shields Avenue
Davis, CA 95616
UNITED STATES OF AMERICA**

Pursuant to Agreement of Cooperation Number: _____

With the objective of strengthening their mutual cooperation as described in the AGREEMENT OF COOPERATION (AOC # _____) as well as in the completed Memorandum of Understanding for the UC Davis Global Study Program managed by Continuing and Professional Education, this Memorandum of Understanding (hereafter referred to as "3+X MOU") is to initiate an academic exchange between SRM University - AP Andhra Pradesh (hereafter referred to as "SRM AP") and The Regents of the University of California, on behalf of its Davis campus (hereafter referred to as "UC Davis") for a 3+X Master's program. The two institutions share common interests and objectives in academic, scientific and cultural affairs, and for the purposes of establishing channels of communication to facilitate intellectual interaction, the undersigned join in this 3+X MOU with a spirit of cooperation, reciprocity, and of mutual benefit to both participants.

Article 1: THE 3+X MASTER'S PROGRAM

- 1) Selected undergraduate students who have completed three (3) years' course studies at SRM AP may apply for admission to participating Master's degree programs (non-thesis) at UC Davis. As UC Davis policy does not permit admitting students into graduate programs prior to completion of their Bachelor's degrees, in the fall of their fourth-year students attend UC Davis as visiting students in the UC Davis Global Study Program managed by Continuing and Professional Education for the first quarter. The classes taken in the first

3+X MOU



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Andhra Pradesh-522 240

quarter may be used to complete their undergraduate degree at SRM AP and a maximum of twelve (12) quarter units taken in the first quarter not counted toward the undergraduate degree may be counted toward the master's degree at UC Davis with approval of the graduate program.

- 2) After Graduate Studies receives an official written statement from SRM AP indicating that the student has completed all requirements for their Bachelor's degree and the date the degree will be awarded, students will officially register as students in the UC Davis Master's program to which they were admitted. The typical non-thesis Master's programs at UC Davis require thirty-six (36) quarter credits, depending on the specific discipline. It is required by UC Davis that students must be registered as Master's program students for a minimum of three (3) academic quarters (two summer session terms are equivalent to one quarter).

Article 2: RESPONSIBILITIES AND PROCEDURES

- 1) SRM AP will select highly qualified third year students with an overall average score of 85% during their undergraduate study. SRM AP will also send a list of all of their selected students to UC Davis to confirm that those students have successfully passed the SRM AP evaluation.
- 2) The students selected by the SRM AP. to participate must formally apply for admission to the UC Davis graduate programs through the regular university/graduate program admission process and must meet all application and eligibility requirements for both the university and the graduate program. UC Davis will evaluate those selected SRM AP. students for their qualifications using UC Davis' admission standards as determined by the university and the graduate program. Applicants must follow all application procedures and meet all requirements as described on the Graduate Studies website (<https://grad.ucdavis.edu/admissions>) and the graduate program application requirements (<https://grad.ucdavis.edu/programs>). SRM AP students who meet all admission eligibility requirements and are selected for admission by the graduate program will be admitted to UC Davis.
- 3) After completion of their Bachelor's degree credits at the end of the Fall term and the transfer of those credits back to SRM AP, SRM AP will immediately provide an official written statement to UC Davis confirming the completion of the Bachelor's degree requirements and the date the degree will be conferred. This statement must be provided before the students will be allowed to enroll in their second term at UC Davis.
- 4) If the students do not need to take any UC Davis Bachelor's coursework but have not yet earned their bachelor's degree, SRM AP must provide an official written statement to UC Davis confirming the completion of the Bachelor's



- a) Global Study students are responsible for meeting the Host Institution's academic standards.
- b) It is the sole responsibility of each student to obtain official recognition from his or her Home Institution for academic credits earned at the Host Institution.
- c) Global Study students are responsible for adhering to all US legal requirements in order to maintain their immigration status, including continuous registration as full-time students.
- d) Global Study students will be responsible for ensuring that the following fees are paid:
 - Tuition and program fees
 - Travel to and from the Host Institution
 - Course materials and textbooks
 - Travel documentation and visas
 - Housing and other living expenses
 - Medical insurance coverage

Students will be responsible for obtaining medical/health insurance coverage to the satisfaction of the Host Institution.

7. Student Conduct

Global Study students will be subject to the rules and regulations of the Host Institution. Any breach of these rules will be dealt with in accordance with the disciplinary policy of the Host Institution.

8. Accommodation

Every effort will be made to assist students to obtain housing within a reasonable distance of the host campus. Students must be aware that they are responsible for all costs associated with housing.

9. Responsible Administrative Personnel

The UC Davis Global Study Program is administered by the UC Davis Division of Continuing and Professional Education. The UC Davis Division of Continuing and Professional Education provides academic oversight, facilitates the application and enrollment process, and oversees student support and management.

The designated operational units of the participants, for purposes of administering the terms of this MOU are:

For UC Davis:

Dr. Anneli Adams

Associate Dean, International and Access Programs
University of California Davis, Division of
Continuing and Professional Education

For SRM-AP

Dr. Sujith Kalluri, Faculty Coordinator,
Student Abroad Program
SRM University, Neerukonda-Kuragallu village

Either participant may change its designated operational officer by written notification to the designated operational officer of the other participant.

10. Duration, Amendment, Termination

This MOU, which becomes effective upon the last date of signature by the participants, shall remain in effect until the expiration or termination of the institutional partnership Agreement of Cooperation 2020-36 with the understanding that it may be terminated by either participant giving six (6) months written notice to the other participant. Students already enrolled at the Host Institution when the MOU expires or terminates, will be allowed to complete the agreed upon length of study. Student recruitment and admissions will be allowed to continue should the agreements expire, provided the renewal process is underway.

This MOU may only be renewed if the participants agree in writing to renew it. This MOU may be amended by the exchange of letters between the participants. Such amendments, once approved by the participants, will become part of this MOU.

11. Nature of MOU

This MOU is not intended to and does not give any person who is not a participant to it any rights to enforce any of its provisions. Nothing in this MOU will be construed as creating a binding legal relationship between the participants. This MOU is a broad statement of intent, which sets forth the general framework upon which the participants wish to proceed. No legal liability will arise in respect of any subject matter hereof.


The participants agree to make efforts in good faith to resolve all disputes amicably and expeditiously between themselves.

12. Signature

Each participant represents that the individuals signing this MOU have the authority to sign on its behalf in the capacity indicated and understand that this MOU will become effective upon said signatures.

**On behalf of The Regents of the University of California,
and its Davis campus**

DocuSigned by:



A16AF07EAC424E7
Dr. Joanna Regulska
Vice Provost and Dean - Global Affairs

9/1/2021

Date



Dr. Susan Catron
Dean
University of California, Davis,
Division of Continuing and Professional Education

March 24, 2021

Date

On behalf of SRM University, Neerukonda-Kuragallu village



Prof. Vajja Sambasiva Rao
Vice Chancellor
SRM University, Neerukonda-Kuragallu village

15th March 2021

Date



Agreement of Cooperation Number 2020-36

AGREEMENT OF COOPERATION

BETWEEN

SRM UNIVERSITY, NEERUKONDA-KURAGALLU VILLAGE
Mangalagiri Mandal
Guntur District, 522502
Andhra Pradesh
India

AND

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA,
ON BEHALF OF THE DAVIS CAMPUS
One Shields Avenue
Davis, CA 95616
UNITED STATES OF AMERICA

The Regents of the University of California, on behalf of the Davis Campus, and **SRM UNIVERSITY, NEERUKONDA-KURAGALLU VILLAGE**, have established an Agreement of Cooperation ("AOC") in order to further the development of basic scientific and technological research, and graduate and undergraduate education at the two (2) Institutions. This intent to collaborate between the two institutions should be implemented by one or more Further Agreement(s). "Further Agreement(s)" means Memorandum of Understanding ("MOU") or other appropriate agreements that will be negotiated and signed by each Participant's authorized signatory, describing the provisions of the arrangement between subunits of the Participants.

AGREEMENT OF COOPERATION NUMBER 2020-36 (ASSIGNED BY GLOBAL AFFAIRS) ENTERED INTO BY SRM UNIVERSITY, NEERUKONDA-KURAGALLU VILLAGE, HEREAFTER REFERRED TO AS (SRM UNIVERSITY, NEERUKONDA-KURAGALLU VILLAGE) REPRESENTED BY Prof. Vajja Sambasiva Rai, Vice Chancellor AND BY THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, ON BEHALF OF THE DAVIS CAMPUS, HEREAFTER REFERRED TO AS UC DAVIS, REPRESENTED BY DR. JOANNA REGULSKA, VICE PROVOST AND DEAN, GLOBAL AFFAIRS OF THE DAVIS CAMPUS, EACH INDIVIDUALLY A "PARTICIPANT," OR COLLECTIVELY "PARTICIPANTS".

DECLARATIONS

I. SRM UNIVERSITY, NEERUKONDA-KURAGALLU VILLAGE DECLARES:

- A. That it was established under the Gazettee notification number G.O.Ms. No. 23 in the year 2017 empowered under the Andhra Pradesh Private Universities Act, 2016 (Act No. 3 of 2016) in Amaravati, Andhra Pradesh, India and to develop into an interdisciplinary institute combining academic rigor, excitement of discovery, creativity and entrepreneurship. To deliver world class research based education, creating new knowledge and innovations. It is established for awarding of degrees at the B.Tech, BSc, BBA, BA, M.Tech, M.Sc and Ph.D. levels. Its chief is the President of SRM University, Andhra Pradesh.
- B. That, in order to accomplish its mission, it is organized into the School of Engineering And Sciences, School of Liberal Arts and Social Sciences, and School of Entrepreneurship and Management Studies and planned to establish School of Law and School of Medicine and Health Sciences

II. UC DAVIS DECLARES:

- A. That it is one of the ten campuses of the University of California, an institution created by the State of California in 1868 to impart higher education and to plan and carry out research programs for the purpose of the preservation and extension of knowledge, including the awarding of advanced degrees at the M.A., M.S., and Ph.D., and professional level. It was created by the Organic Act of 1868, which established it with appropriate judicial and financial support at the State level, and as a Land Grant Institution of the United States under the Morrill Act of 1862. Its chief campus officer is the Chancellor.
- B. That, in order to accomplish its mission, it is organized into the College of Agricultural and Environmental Sciences, the College of Engineering, the College of Letters and Science, College of Biological Sciences; the Graduate School of Management, the School of Education, the School of Law, the School of Medicine, the Betty Irene Moore School of Nursing, the School of Veterinary Medicine, Graduate Studies, UC Davis Continuing and Professional Education, the Agricultural Experiment Station, and the Agricultural Cooperative Extension.

III. BOTH PARTICIPANTS DECLARE:

- A. That the institutions are united by common interests and objectives in academic, scientific and cultural affairs;
- B. That these institutions are the ones which, by reason of their essence, ends and objectives are called upon to establish channels of communication to facilitate intellectual interaction;

- C. That for the reasons above, the institutions believe it advantageous to promote their academic ties by establishing an academic, scientific and cultural Agreement of Cooperation;
- D. That, because of mutual benefits to the institutions in the advancement of research and education through the scholarly educational, scientific, technological and cultural contributions of each, it is appropriate and advantageous to the institutions to establish this Agreement of Cooperation.

CLAUSES


- I. The objective of this Agreement of Cooperation is to increase the academic, scientific and cultural relations between SRM UNIVERSITY, NEERUKONDA-KURAGALLU VILLAGE and UC Davis in identified areas where there is mutual interest in establishing Further Agreement(s).
- II. Under this Agreement of Cooperation, cooperative work may be undertaken by subunits of the institutions. Prior to initiating any specific international activity or program, the Participants will negotiate and enter into separate Further Agreement(s), signed by each Participant's authorized signatory, describing the provisions of the arrangement between the respective subunits. Further Agreements that follow the implementation of this Agreement of Cooperation generally outline the specifics, logistics, and details of a particular collaborative effort, and should include:
 - A. Designation of the participating institutional subunits (e.g. Colleges, Schools, Divisions, Departments and Programs);
 - B. Designation of one or more persons in each institution who should serve as program leader(s) for the Further Agreement(s); and
 - C. General description of the kinds of cooperative work and activities to be undertaken.
- III. For each Further Agreement, the program leaders should be responsible for developing an annual program plan, including a description of the work and activities to be undertaken and the financial arrangements to support them. The annual program plan should require approval by the chief administrative officer of each institution or the officer's designated representative.
- IV. The financial stipulations that should apply to the exchange of academic personnel are as follows:

In most circumstances, the institution of origin should be responsible for the international travel costs and living expenses incurred. However, all financial arrangements relating to such matters as travel expenses, health insurance, and tuition should be addressed in Further Agreements.

- V. Access to emergency medical care for researchers, teachers and students should be based on the health care programs available at the host institution. The cost of medical/health services should be the responsibility of the visiting researchers, teachers, graduate and undergraduate students through the home institution (see IX below).
- VI. Each institution should take steps to:
 - A. Publicize the opportunities available under this Agreement of Cooperation and promote the development of cooperation, provided that neither Participant may use the name of the other Participant in any form of advertising, without express written permission prior to publication;
 - B. Assist its subunits, faculty, staff and students with the administrative details of interchange; and,
 - C. Establish a review process for approval and evaluation of programs.
- VII. The institutions, under the auspices of this Agreement of Cooperation, may jointly sponsor conferences, short courses, regular courses, seminars and symposia, as well as exchange publications and other didactic and non-proprietary research materials.
- VIII. The present Agreement of Cooperation is for four (4) years from the last date signed by UC Davis, and it or any of its parts may be modified or terminated by written consent of both Participants who should comply with the obligations that might be in effect on the date of termination.
- IX. Regularly employed personnel, while involved in this Agreement of Cooperation, remain subject to the rules and regulations of their own institution in all matters of employment, benefits, medical and life insurance, employee rights, etc.
- X. This Agreement of Cooperation does not, in and of itself, obligate either SRM UNIVERSITY, NEERUKONDA-KURAGALLU VILLAGE or UC Davis to any financial expenditures not explicit in the above. Such obligations, if any, should be made as part of Further Agreement(s) and annual program plans that may be developed under this Agreement of Cooperation. Both Participants hereby intend to comply with each and every obligation contained in this document and all those that might be in effect on the date of termination of the Agreement of Cooperation.
- XI. This Agreement of Cooperation does not create any legally binding obligation on the part of the Participants. However, specific terms of collaborative activities may be discussed by the two Participants in further legally binding agreement(s), in a manner consistent with the mandate and resources of each Participant. Each such agreement should be made pursuant to this AOC for the limited purpose of the particular activity addressed in such agreement.

Having read the present Agreement of Cooperation, and being fully aware of the content and scope of each and every one of its clauses, the Participants hereby affix their signatures to the present document.

SRM UNIVERSITY, NEERUKONDA-KURAGALLU VILLAGE

By  _____
Prof. Vajja Sambasiva Rao.
Vice Chancellor

Date 18th March 2021

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

By  _____
Dr. Joanna Regulska
Vice Provost and Dean - Global Affairs

Date 9/1/2021

The Directorate of International Relations & Higher Studies

Dear Sir/ Ma'am,

The Directorate of International Relations & Higher Studies in collaboration with University of California – Davis, USA organized the Semester Abroad Programme – Spring 2022.

The student of SRM University AP from the department of Civil Engineering, Tanoogna Mallarapu enrolment number AP19110050018 has participated in this program from 28th January to 18th June 2022 to pursue his/her 6th semester.

Please find the details of the courses undertaken by the student at host university:

S. No	Course Code	Course title	Credits
1	ECI 161	Transportation System Operations	4
2	ECI 141 D	Water and Wastewater Treatment Design	4
3	ECI 123	Urban system and Sustainability	4
4	ECI 189 C	Selected Topics in Civil Engineering: Engineering Planning	1

Regards,
IR & HS Department

A. Sreelakshmi
Directorate of International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

SRM University, AP - Andhra Pradesh, Neeru Konda Post, Mangalagiri (MD), Guntur (DT),

Andhra Pradesh 522502, www.srmap.edu.in, Phone: 0863 - 234 300



MEMORANDUM OF UNDERSTANDING

Between

Flinders University

And

SRM University

This Memorandum of Understanding (**MOU**) is made between Flinders University ABN 65 542 596 200 of Sturt Road, Bedford Park, South Australia (**Flinders**) and SRM University of Neerukonda-Kuragallu village, Mangalagiri mandal, Guntur District, Andhra Pradesh - 522502 (**SRM**) together (**the Parties**)

1. BACKGROUND

- 1.1. Flinders University, established in 1966, has over 25,000 students and over 2,500 academic and professional staff. Flinders has a strong international reputation as a high-quality teaching and research institution.
- 1.2. SRM University established in 2017, has over 3,000 students and over 250 academic and professional staff.

2. OBJECTIVES AND PURPOSE

- 2.1. The Parties want to cooperate and/or share information with each other to make the most of each other's specialist skills, or knowledge and industry partners for their mutual benefit. They want to establish a framework for collaboration to enable them to work together to achieve their shared objective of promoting research and education co-operation to support specific co-operation in the development and delivery of agreed education and research programs. This will underpin the shared commitment of both institutions to transforming health professional education to improve health equity. (**Purpose**)
- 2.2. This MOU sets out the initial level of cooperation and collaboration between the Parties and how they intend to develop a closer understanding and relationship between one another in the development and delivery of possible future agreed practice-led research and education programs relating to the Purpose.

3. COOPERATION

Flinders and SRM propose to collaborate in areas of mutual interest. These may include, but are not limited to, the following:

3.1. The Parties agree to:

1. Exchange of students and participation in student mobility schemes;
2. Exchange of faculty members;
3. Joint research activities and training;
4. Exchange of materials, information and publications as jointly agreed; and
5. Cooperation in common academic fields including Dual degrees.

relevant to the Purpose.

4. GOVERNANCE

- 4.1. The Parties agree to meet as a minimum *annually* with a view to fostering and assessing the progress of their collaboration and initiatives/activities already underway, identifying opportunities for further collaboration or specific future projects, and discussing other business consistent with the Purpose.
- 4.2. The nature and form of the meetings in clause 4.1 and the rules and procedures to apply in respect of those meetings shall be as agreed by the Parties.
- 4.3. The parties each agree to nominate the representative named below as their first and central point of contact for the MOU:

Flinders Representative: *Matt Taverner, Director International Engagement, Flinders International* – matt.taverner@flinders.edu.au

Flinders Academic Representative: *Professor Gunther Andersson* – gunther.andersson@flinders.edu.au

SRM Representative: *Mr. Kartar Singh, Director International Relations* – director.ir@srmist.edu.in

SRM Academic Representative: *Professor Ranjit Thapa* – ranjit.t@srmmap.edu.in

- 4.4. The representatives will work collaboratively to arrange meetings, keep their respective parties fully informed, communicate on matters that may be of mutual interest and oversee any arrangements put in place.

5. STATUS OF THIS MOU

- 5.1. This MOU describes an understanding and collaboration arrangement between the Parties.
- 5.2. Save in relation to clauses 8 to 15 inclusive (which are intended to be binding), this MOU does not create any legally binding obligations between the Parties.

6. FURTHER AGREEMENTS

- 6.1. The Parties' intent is that their collaboration in pursuit of the Purpose may result in future project specific educational research or commercial arrangements or engagements between them which will be the subject of new and separate legally binding agreements (**Project Agreements**).
- 6.2. Entry into a Project Agreement will be at the absolute discretion of the Parties, and this MOU makes no promise and creates no expectation that such Project Agreements will be entered

into. The Parties will not be obliged to proceed with a Project Agreement unless and until each Party has obtained all requisite internal and external approvals.

7. TERM

This MOU will come into effect at the time of signing and will remain in force for a period of five (5) years unless earlier terminated.

8. COMPLIANCE WITH LAWS

Each Party acknowledges that the other Party is subject to the laws and regulations of the jurisdictions in which it operates, and that such laws and regulations may affect or restrict the extent to which a Party is able or willing to cooperate, collaborate or undertake other activities contemplated by this MOU. Each Party will conduct itself under this MOU in compliance with all applicable laws.

9. INTELLECTUAL PROPERTY

- 9.1. Any Intellectual Property owned by a Party prior to commencement of this MOU, or developed independently of this MOU by a Party, shall remain the sole property of that Party. Any Intellectual Property developed solely by one Party in furtherance of this MOU shall remain the property of that sole Party.
- 9.2. The Project Agreements shall specify the rights and obligations of the Parties with respect to any Intellectual Property developed by Parties in connection with any specific projects. In the absence of such provisions, any Intellectual Property jointly developed by the Parties shall be owned equally by the Parties as tenants in common.
- 9.3. In this MOU, **Intellectual Property** means any intellectual property, including but not limited to, trademarks, copyright, works of authorship, inventions, patents, trading names, images, data or work product.

10. CONFIDENTIALITY

- 10.1. A Party in receipt of Confidential Information from the other Party must not use or disclose the other Party's Confidential Information without that other Party's prior written consent other than:
 - a. for the purposes of carrying out this MOU, provided any disclosure is only to such of the receiving Party's personnel or to its related company and its personnel who need to know and who are made subject to the confidentiality requirements of this MOU; or
 - b. as required by law.
- 10.2. For the purposes of this MOU, **Confidential Information** means:
 - a. subject and terms of this MOU; and
 - b. the all information (in whatever form) disclosed by one Party to the other, whether before or after the date of this MOU but excludes information which:
 - (i) is or becomes public knowledge other than through a breach of this MOU;
 - (ii) the recipient can show to the discloser's reasonable satisfaction to have been in the recipient's lawful possession prior to disclosure; or
 - (iii) the recipient can show to the discloser's reasonable satisfaction to have been lawfully received from a third Party not obliged to keep that information confidential.

11. ANNOUNCEMENTS AND BRANDING

Neither Party may make any public announcement in relation to this MOU or its subject matter without first obtaining the approval of the other Party (which approval shall not be unreasonably withheld or delayed). Neither Party will have the right to use the name, logo, or marks of the other Party without that other Party's prior written consent.



12. TERMINATION

Either Party may terminate this MOU with immediate effect by giving six (6) months' notice in writing to the other Party. Termination or expiry of the MOU shall be without prejudice to any rights or obligations of the Parties under any then current Project Agreements and the Parties' rights under clause 10 and 11 of this MOU shall also survive in accordance with their terms.

13. ENTIRE UNDERSTANDING

This MOU constitutes the entire understanding between the Parties regarding its subject matter but may be supplemented or superseded by Project Agreements. Any prior arrangements, agreements, warranties, representations or undertakings with respect to the purpose of this MOU are hereby superseded.

14. GENERAL

- 14.1. This MOU does not create or evidence any relationship between the Parties in the nature of a partnership, joint venture, employer and employee or agency.
- 14.2. Each Party shall bear its own costs of and incidental to the preparation and negotiation of this MOU.
- 14.3. This MOU is in the English language and no translation of it into another language shall alter or affect its nature, scope or interpretation and this MOU will prevail over any translated version of it in the event of any ambiguity or inconsistency between the two.
- 14.4. This MOU is governed by the law applicable in South Australia and each Party irrevocably and unconditionally submits to the non-exclusive jurisdiction of the courts of South Australia.
- 14.5. This MOU may be executed in two or more counterparts, which together constitute the one instrument.

Signed on behalf of
SRM University



(Signature)

Professor Vajja Sambasiva Rao

*Vice Chancellor
SRM University
Andhra Pradesh*

09.12.2020
Date

Signed on behalf of
Flinders University



(Signature)

Professor Robert Saint

Deputy Vice Chancellor (Research)

17/12/2020
Date

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CO oxidation on Pt based binary and ternary alloy nanocatalysts: Reaction pathways and electronic descriptor

Tripathi, Anjana^{a, b}; Hareesh, Chavana^b; Sinthika S.^c; Andersson, Gunther^d; Thapa, Ranjit^a ✉

Save all to author list

^a Department of Physics, SRM University – AP, Amaravati, 522-50, Andhra Pradesh, India

^b SRM Research Institute, SRM Institute of Science and Technology, Kattankulathur, 60320, Tamil Nadu, India

^c Department of Physics and Research Centre, Lady Doak College, Madurai, 62500, Tamil Nadu, India

^d Flinders Centre for NanoScale Science and Technology, School of Chemical and Physical Sciences, Flinders University, GPO Box 2100, Adelaide, 5001, SA, Australia

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Abstract

The design of stable, highly active heterogeneous nanocatalyst with no CO poisoning is a challenge for the catalytic converter industry. This can be achieved by defining electronic descriptor and by understanding the bonding mechanism. We present results using density functional theory to design optimal metal nanoalloy catalysts for CO oxidation. The adsorption configuration of O₂ and O on different active sites is studied in detail to find the efficient reaction pathway for CO oxidation. The varying extent of back-donation of charge is found to be the factor deciding the CO tolerance. The trade-off between the activity and CO tolerance signifies that there is an upper limit for allowing

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Xu, G. , Cai, C. , Zhao, W. (2023) *Wiley Interdisciplinary Reviews: Computational Molecular Science*

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Sinthika, S. , Kumar, E.M. , Thapa, R. (2014) *Journal of Materials Chemistry A*

Coordination numbers for unraveling intrinsic size effects in gold-catalyzed CO oxidation

Wang, S. , Omidvar, N. , Marx, E. (2018) *Physical Chemistry Chemical Physics*

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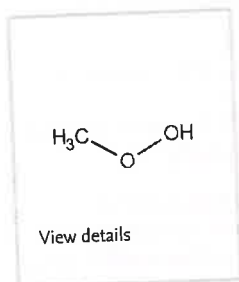
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2D/3D heterostructure of h-BN/reduced graphite oxide as a remarkable electrode Material for supercapacitor

Patil, Indrajit M.^{a, b}; Kapse, Samadhan^c; Parse, Haridas^{a, b}; Thapa, Ranjit^c; Andersson, Gunther^d;

Kakade, Bhalchandra^{a, b}

Save all to author list

^a SRM Research Institute, SRM Institute of Science & Technology, Kattankulathur, 603 203, Chennai, India

^b Department of Chemistry, SRM Institute of Science & Technology, 603 203, Chennai, India

^c Department of Physics, SRM University - AP, Amaravati, 522502, Andhra Pradesh, India

^d College of Science and Engineering, Flinders University, GPO Box 2100, Adelaide SA, 5001, Australia

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Kolavada, H. , Gajjar, P.N. , Gupta, S.K.
(2024) *Journal of Energy Storage*

Morphology-controllable synthesis of bimetallic oxide Bi₂Fe₄O₉ as novel electrode materials for high-performance supercapacitors

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Ghosh, S. , Behera, S.K. , Mishra, A.
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A blockchain-orchestrated deep learning approach for secure data transmission in IoT-enabled healthcare system

Prabhat Kumar^a  , Randhir Kumar^b , Govind P. Gupta^c , Rakesh Tripathi^c , Alireza Jolfaei^d ,
A.K.M. Najmul Islam^e 

^a Department of Software Engineering, LUT School of Engineering Science, LUT University, 53850 Lappeenranta, Finland

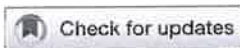
^b Department of Computer Science and Engineering, SRM University AP, AP 522240, India


^c National Institute of Technology, Raipur, India




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Abstract








The integration of the Internet of Things (IoT) with traditional healthcare systems has improved quality of healthcare services. However, the wearable devices and sensors used in Healthcare System (HS) continuously monitor and transmit data to the nearby devices or servers using an unsecured open channel. This connectivity between IoT devices and servers improves operational efficiency, but it also gives a lot of room for attackers to launch various cyber-attacks that can put patients under critical surveillance in jeopardy. In this article, a Blockchain-orchestrated Deep learning approach for Secure Data Transmission in IoT-enabled healthcare system hereafter referred to as “BDSDT” is designed. Specifically, first a novel scalable blockchain architecture is proposed to ensure data integrity and secure data transmission by leveraging Zero Knowledge Proof (ZKP) mechanism. Then, BDSDT integrates with the off-chain storage InterPlanetary File System (IPFS) to address difficulties with data storage costs and with an Ethereum smart contract to address data security issues. The authenticated data is further



Solar Energy

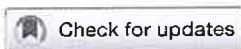
Volume 263, October 2023, 111921

Digital twin-driven SDN for smart grid: A deep learning integrated blockchain for cybersecurity

Prabhat Kumar^a  , Randhir Kumar^b , Ahamed Aljuhani^c , Danish Javeed^d , Alireza Jolfaei^e ,
A. K. M. Najmul Islam^a 

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Highlights

- We incorporated a digital twin technology into a software-defined networking control plane, which stores and disseminates the operating states and behavior models of smart meters.
- We used deep learning and blockchain in the design of smart grids to detect network intrusions.
- A secure communication channel is designed using an authentication method based on blockchain technology that can withstand well-known attacks.
- The proposed deep learning architecture uses a self-attention mechanism, a bidirectional-gated recurrent unit model, fully connected layers, and a softmax



MEMORANDUM OF UNDERSTANDING



BETWEEN

NATIONAL TSING HUA UNIVERSITY, TAIWAN

AND

SRM UNIVERSITY - AP, INDIA

This Memorandum of Understanding (MOU) is made between:

National Tsing Hua University (hereinafter referred to as "NTHU"), an institution of higher education headquartered at No. 101, Section 2, Kuang Fu Road, Hsinchu 300044, Taiwan,

and

SRM University, AP - Andhra Pradesh (hereinafter referred to as SRM-AP) an institution of higher education headquartered at Mangalagiri Neerukonda Tadikonda Rd, Mangalagiri, Mandal, Andhra Pradesh 522502.

Hereinafter, NTHU and SRM-AP shall be collectively referred to as "the institutions".

The purpose of this MOU is to promote academic and educational cooperation, and based upon the principle or respect for each other's independence and mutual benefits, the two institutions will carry out the following activities:

- Joint research activities
- Exchange of faculties
- Exchange of students
- Exchange of scientific materials, publications, and information.

Both institutions agree that this MOU is incorporated into and will provide the foundation and framework for projects developed by academic and administrative units from the two institutions and documented in other subsequent Agreements.

To the extent that the implementation of any agreed upon activity requires a commitment of resources, personnel, credit-bearing coursework, or intellectual property, a

supplementary agreement must be negotiated in writing and approved by the two institutions before work on any of the projects can commence.

This MOU is effective from the last date when representatives of the two institutions affix their signatures and is valid for five (5) years. This MOU, with the written consent of both institutions, may be extended or terminated, with a six (6) months' period of notice, by either institution. In case of termination, the commitments made to staff or students already participating in the programs must not be affected.

NTHU and SRM -AP shall be responsible for any administrative expenses respectively.

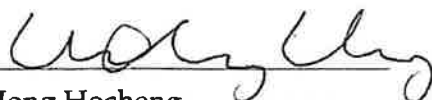
Nothing in this MOU shall create or be deemed to create a partnership, joint venture or relationship of principal and agent between the institutions.

During the continuation of this MOU, each institution may use the name and logo of the other institution in connection with the above activities, provided that the name and logo of each institution shall be used only in connection with the MOU and for no other purpose.

In the event of any dispute arising out of or in connection with this MOU, both institutions agree to resolve the matter in good faith.

This MOU is executed in a set of two copies, both written in English language, and each institution retains one copy. The MOU may be executed by exchange of a signed and scanned signature pages in PDF format.

For and on behalf of
National Tsing Hua University



Hong Hocheng
President
Date: Dec. 8, 2021

For and on behalf of
SRM University -AP



Prof. V. S. Rao
Vice Chancellor
Date: 26/10/21





Article 3: Courses & Eligibility criteria

Courses to be offered at the TEC will be decided after mutual consultation keeping in mind the local student population. While every effort will be made to keep the weekly course hours to 12 hours, and each class size below 20 students, it may vary according to need and mutual agreement by two parties.

Article 4: Promotional Material

Promoting the courses will be responsibility of both parties. Promotional material will be published and circulated after mutual consultation.

Article 5: Indemnification Clause

Each Party shall indemnify, defend, and hold harmless the other Party, its affiliates, and its and their respective officers, directors, shareholders, employees, agents, successors, and assigns from any and all third party claims, actions, liabilities, damages, losses, costs, and expenses (including reasonable attorneys' fees) arising out of or related to such Party's: (i) actual or alleged breach of this Agreement; (ii) violation of law; or (iii) gross negligence or willful misconduct.

Article 6: Governing Law and Dispute Resolution Clause

This MOU shall be governed and interpreted in accordance with the laws of India. Disputes if any shall be mutually discussed and settled between the Parties. If the negotiations fail irrevocably the same shall be settled through the courts of India jurisdiction.

Article 7: Force Majeure Clause

Neither Party shall be responsible to the other Party for delays in the performance of its obligations under this MOU arising from causes beyond its reasonable control, which shall include acts of God, fire, pandemic, earthquakes, war, civil unrest, accident, labor strikes, regulatory acts of governmental authorities, power fluctuations or outages, or



telecommunication outages or delays ("Force Majeure"); provided that the non-performing Party shall promptly notify the other Party of the Force Majeure and shall use commercially reasonable efforts to mitigate the impacts of such Force Majeure and perform notwithstanding. If Force Majeure persists for twenty (20) days, the other Party may terminate this Agreement upon notice, without liability.

Article 8: Other

This Memorandum of Understanding is non-exclusive and shall run for five (5) years from the date signed by all parties and is automatically renewed on a year to year basis unless otherwise revoked by either party in writing 180 days prior to expiration of the agreement.

First Party:

SRM University, Andhra Pradesh, India

Second Party:

National Tsing Hua University, Taiwan

Designation:

Professor Vajja Sambasiva Rao
Vice Chancellor

Designation:

Professor Hong Ho-Cheng
President

Professor D. Narayana Rao
Pro Vice Chancellor

Professor Wei-Chung Wang
Director, Center for India Studies

Date: 30.11.2020

Date: Dec. 15, 2020

Semester Abroad Program (SAP) - Spring 2024

“Make your January to June Semester International”.

Taiwan

*Last date to Apply (SRM AP Student Portal) – September 23, 2023

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accommo.)	Total Cost (Approx)
1	National Tsing Hua University	177	2022	4	Bachelor of Science	Chemistry	8	Waived Off	2,70,000	3,00,000
			2022	4	Bachelor of Science	Physics	8			
			2022	4	Bachelor of Science	Mathematics	8			

*Student applying to SAP should have **NO** existing backlog.

*Please submit your application through SRMAP Student Portal by no later than Saturday, 23 September 2023. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.

Dear Students,

National Tsing Hua University, Taiwan: Semester Abroad Program (SAP) Spring 2023 (February - June 2023)

We are delighted to invite students to apply for a semester abroad program at **National Tsing Hua University, Taiwan** for Spring 2023 semester (February - June 2023).

National Tsing Hua University, Taiwan	1 TWD ≈ 3 INR	
Costs	TWD NS\$	Rs Lacs
Tuitions Fee	40000	1.20
Living Expenses (including accommodation, food, health insurance books)	50000	1.50
Travel (approx..)	43000	1.30
Others	15000	.50
Net amount	1,50,000	4.50

The net cost would be close Rs 5 - 6 lacs which broadly includes the host university tuition fee, health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this email carefully and only apply if you fit the criteria and interested.

Eligibility Criteria (All mandatory):

1. **B.Tech.** – Students from all the branches of Engineering (Mechanical Engineering) who are currently in their 3rd year.
B.Sc.- Students who are in the branch (Mathematics) currently in their 2nd year.
2. **CGPA > 8**
3. No standing backlogs in the courses

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

Please submit your application through SRMAP Student Portal by no later than Thursday, 8 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmap.edu.in

For any technical support, please write to itkm.helpdesk@srmap.edu.in

The shortlisted candidates will be called for interviews in due course.



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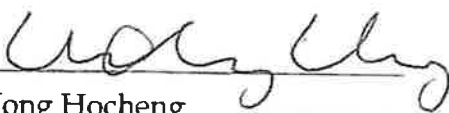
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For and on behalf of
National Tsing Hua University



Hong Hocheng
President

Date: Dec 8, 2021

For and on behalf of
SRM University -AP

Prof. V. S. Rao
Vice Chancellor

Date: 26/10/21



Appendix to the Memorandum of Understanding
AGREEMENT FOR SELF-FUNDING STUDENT EXCHANGE
between
NATIONAL TSING HUA UNIVERSITY, TAIWAN
and
SRM UNIVERSITY-AP, INDIA

This Agreement is an appendix to the Memorandum of Understanding between:

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and

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Both institutions have approved the student exchange program as follows:

1. Definitions

Home Institution means the university/institution where a student is primarily enrolled and that sends a student to study abroad at the Host institution under this Agreement.

Host Institution means the university/institution that hosts a student from the Home institution to study abroad at the Host institution under this Agreement.

2. Duration of Stay

Duration of stay of exchange students at the host institution shall be one semester or one academic year.

3. Numbers of Exchange Students

Each institution may send and accept not more than two (2) students each academic year. Two students for one semester each would be equal to one student for two semesters in a given year.

4. Status of Exchange Students

Each institution shall accept exchange students to the host institution as full-time students who do not aim at obtaining a degree in the host institution.

5. Recommendation and Acceptance of Exchange Students

The home institution shall select students on the basis of faculty nomination for the exchange program and shall recommend students to the host institution; however, the final determination of acceptance of students shall be at the sole discretion of the host institution. The field of specialization of the exchange student shall depend on the availability of an advisor or supervising professor at the host institution.



nm ty



6. Study Program and Evaluation

Each student shall determine the study program at the host institution in consultation with academic advisors of both home and host institutions if needed. The academic performance shall be evaluated according to the rules of the host institution.

7. Academic Record and Accreditation

The host institution shall transmit the academic record of each exchange student to the home institution and credits will be conferred according to the regulations of the home institution.

8. Tuition Fees

Exchange students are request for paying the tuition fees to the host institution.

9. Financial Responsibility of the Exchange Students

9.1 Students joining the exchange program will have to pay any kind of enrolment fees (application fees, tuition, programs and course fees) at the host institution. Tuition fees are listed and regularly updated on the NTHU website. The host institution is not responsible for financial aid issues for incoming exchange students. All financial aid issues should be handled at the student's home institution.

9.2 The Students will have to pay the fees or public prices at the host institution that may exist in order to have access to certain services (accommodation, sports, Internet, and so forth), under the same conditions as that institution's own students. Should this be the case, then the host institution shall inform the Students of the existence of such fees prior to their arrival there.

9.3 Insurance

Before arriving at the host institution, students will have to obtain an international insurance policy to cover expenses arising from medical treatment and accidents; the cost of this insurance will be paid by the students themselves. Students shall provide proof of having obtain this insurance policy at their home institution before leaving; failure to do so will exclude them from participating in the visit.

9.4 Visa

The Student shall be responsible for carrying out all the proceedings required to get a visa and immigration documents that enable them to legally enter the country where they are to spend their visit. Visa-Exempt Entry and Landing Visa are not acceptable for the exchange stay in NTHU. Each Host institution shall provide the student with a letter of acceptance, stating that the student is on a visit and has been admitted to that Institution.

9.5 Accommodation

The Student will have to cover his or her accommodation and maintenance expenses at the host institution. Host Institution should assist the students to arrange the reasonable accommodation.

9.6 Other expenses

Each Student is responsible for all personal arrangements and associated costs including, without limitation, the following:

- a. Transportation (local and between home and host institutions)
- b. Incidental fees and charges, if applicable
- c. Textbooks, clothing and personal expenses



Handwritten signature



- d. Any and all other debts and incidental expenses incurred by the student during the period of exchange.

10. Term of Validity

This Agreement shall remain in force for a period of five (5) years from the last date that it is signed by both institutions. This Agreement, with the written consent of both institutions, may be extended or terminated, with a six (6) months' period of notice, by either institution. In case of termination, the commitments made to students already participating in the programs must not be affected.

11. General

11.1 Confidentiality

If this exchange should involve any confidential information or materials, a separate Non-disclosure agreement will be required.

11.2 Administrative Expenses

NTHU and SRM-AP shall be responsible for their own administrative expenses respectively.

11.3 Resolution of Conflict and Disputes

In the event of any dispute arising out of or in connection with this agreement, both Universities agree to resolve the matter in good faith.


11.4 Use of name and logo

During the continuation of the Agreement, each institution may use the name and logo of the other institution in connection with the Agreement, provided that the name and logo of each institution shall be used only in connection with the Agreement.


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**For and on behalf of
National Tsing Hua University**

**For and on behalf of
SRM University-AP**



W. John Kao
President
Date: 11.11.22

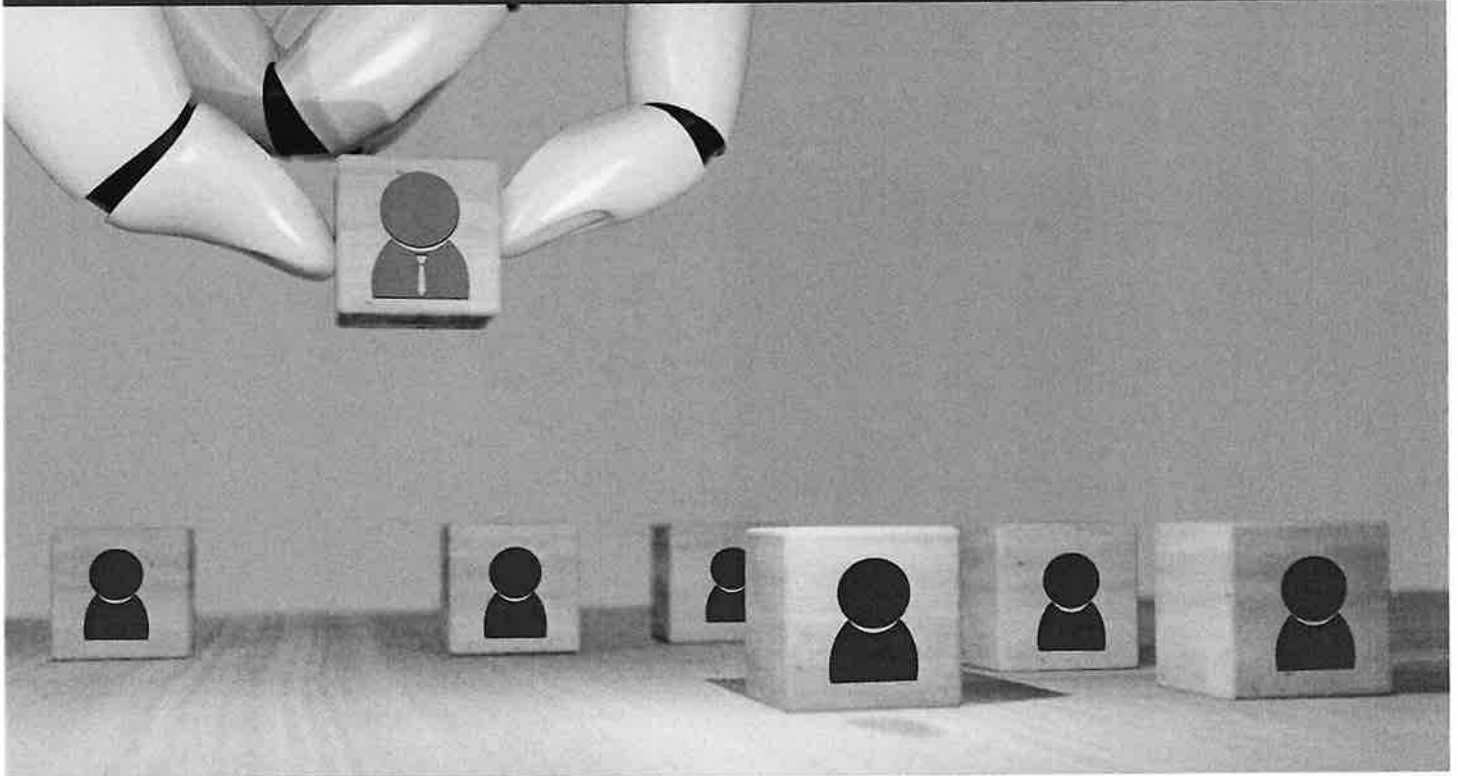


Dr. R. Premkumar
Registrar
Date: 09/12/22



21st Century Business Management

Artificial Intelligence Techniques in Human Resource Management



Soumi Ghosh | Soumi Majumder | Santosh Kumar Das
Editors

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Human Resource Management**

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CHAPTER 10

CONFLICTING STRATEGY MANAGEMENT TECHNIQUE FOR COMPANIES: AN INTELLIGENT OPTIMIZATION TECHNIQUE

SANTOSH KUMAR DAS¹, KIMMI KUMARI², SAGARIKA DARIPA²,
AMIT KUMAR SINGH³, and ADITYA SHARMA⁴

¹*Department of Computer Science and Engineering,
Sarala Birla University, Jharkhand, India*

²*National Institute of Science and Technology (Autonomous),
Institute Park, Odisha, India*

³*SRM University AP, Andhara Pradesh, India*

⁴*Institute of Nanoengineering and Microsystems, National Tsing Hua
University, No. 101, Taiwan, R.O.C.*

ABSTRACT

In the current era, most of the applications are based on the services and their usage. The applications are dealt with and maintained by several types of companies and organizations. Applications are based on the demand of the customers and their requirement analysis. They help to manage several information based on certain factors that help the customers. There are several types of companies that are available where the nature of most of

not required. Such students, who are admitted to a co-terminal degree program, maintain the required 3.0 GPA, and complete the program requirements will receive both the IIT Bachelor's and Master's degrees together in as few as five years of combined study at SRMAP and IIT. A list of Co-terminal Degree Programs is located in the Graduate Bulletin at <http://bulletin.iit.edu/graduate/graduate-education/academic-programs/>

C. Summer Research Opportunities for Undergraduate Engineering and Science Students

Outstanding SRMAP students nominated by SRMAP may apply for the 4 or 8-weeks Summer Research Immersion/ Elevate Program, research-based programs for highly motivated undergraduates, by selecting a topic at <https://myiit.force.com/ELEVATEatIIT/s/research-opportunities> and completing an application

E. 4+1 (4+2) Program

Students who are completing a four-year Bachelor's program at SRMAP may apply for admission to an IIT Master's program as an international degree-seeking student (Engineering, Computer Science engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Civil Engineering, Sciences and Business programs)

II. IIT Admission Requirements

A. Undergraduate Applicants

1. Visiting students applying for entry in the fall or spring semester must apply using the visiting student application <https://www.iit.edu/admissions-aid/undergraduate-admission/international-undergraduate-students/how-apply-international-undergraduate-students/international-visiting-and-exchange-students>
2. Visiting students applying for entry in the Summer Immersion research program must be nominated by SRMAP and apply using the application at <https://myiit.force.com/ELEVATEatIIT/s/research-opportunities> and must provide proof of partial funding from a source other than IIT and personal family funds to meet J-1 student visa requirements.
3. 2+2 students must apply as transfer students using the application at <https://www.iit.edu/admissions-aid/undergraduate-admission/international-undergraduate-students/how-apply-international-undergraduate-students/international-transfer-students>
4. Students nominated by SRMAP as visiting and 2+2 students must meet all IIT admission requirements for transfer students, Students must submit official transcripts, a recommendation letter, a copy of their passport identity page, and a financial affidavit of support.

B. Master's Programs

1. Students nominated by SRMAP and applying as degree seeking or non-degree graduate students must have a CGPA equivalent to at least 3.0/4.0 and submit official semester-wise mark sheets.
2. GRE scores, which may be required in some departments or for scholarship consideration, must be submitted by the testing agency. Minimum scores are listed at (<https://admissions.iit.edu/graduate/apply/gre-requirements>)
3. For some programs, a recommendation letter must also be submitted
4. Degree seeking students seeking to attend IIT in the USA, must also submit a financial affidavit of support and a copy of their passport identity page.
5. Checklists listing requirements are at the following links
Degree-seeking:
<https://admissions.iit.edu/graduate/apply/degree-seeking-checklist>

C. Timetable and Notification for Admission

1. The SRMAP program liaison must notify IIT of its nominations before the students' submit their applications or immediately thereafter.
2. For IIT Master's programs and all IIT undergraduate programs except the Summer Research Immersion, students may apply, for either the Fall or Spring Semester.
3. All students must apply online and provide all supporting materials so that IIT will receive them by the admission deadlines. Students who apply later may be considered, if space permits. However, **earlier application is encouraged.**
Undergraduate: February 15 for Summer Research.
 May 15 for Fall (August) admission
 November 15 for Spring (January) admission.

Graduate Students Fall Admission: June 15
Graduate Students Spring Admission: November 15

4. Notification of acceptance, documents needed to secure visas, and information about housing, meals, and arrival will be mailed to students.

D. Best Efforts by SRMAP

SRMAP will use its best efforts to ensure that students recommended for admission to IIT are academically and financially qualified to attend and succeed at IIT and that they are eligible for a United States visa.

III. Scholarships

- A. **Undergraduate Fall or Spring Semester or year Abroad Visiting Students**
A student nominated by SRMAP who is admitted to IIT as a visiting undergraduate student and has a cumulative grade point average of at least 3.0/4.0 may receive an international

partial tuition visiting scholarship in the fall and spring semesters. The scholarship amount is based on the applicant's academic credentials. Students with outstanding credentials may receive up to \$10,000 per semester in the fall and spring semesters for up to two semesters.

B. 2+2 and 2+2+1 (Co-terminal option)

1. A student nominated by SRMAP who enters IIT with at least 30 transferable credits and a cumulative grade point average (GPA) equivalent to at least 3.0/4.0 may receive an international partial tuition scholarship. The scholarship amount is based on the applicant's academic credentials. Students with outstanding credentials may receive a partial tuition scholarship of up to \$10,000 per semester in the fall and spring semesters. The scholarship is renewable until completion of the IIT Bachelor's program, provided student is full-time enrolled in an IIT Bachelor's program and in good academic standing.
2. For 2+2 students admitted to a co-terminal program who maintain the required GPA for their program and are full-time enrolled, the scholarship is renewable until completion of the Master's requirements.

C. Undergraduate Summer Research Immersion Program

A student nominated by SRMAP and accepted by IIT for a Summer Research Immersion/Elevate program may receive a partial tuition scholarship from IIT.

D. Master's Students

A student nominated by SRMAP and accepted by IIT may be considered for a partial tuition scholarship

IV. Faculty Exchanges

Visiting Faculty

IIT and SRMAP encourage the development of a visiting faculty program in order to contribute to the teaching and research activities of both universities. Faculty members may be invited to conduct research during their sabbaticals, teach advanced courses in the undergraduate or graduate programs or offer short courses at both universities. Determining the length of the visitation, purpose and compensation shall be left to the universities depending upon their resources and shall be agreed to in writing and signed by both parties prior to the visit.

V. General

A. Non-Exclusivity

Participation in this Agreement is not exclusive and shall not prevent «SRMAP» from entering into similar agreements with other institutions.

B. Term and Termination

This Agreement shall be in effect from the date first executed and shall continue for a period of three years thereafter. However, either party may terminate this agreement earlier upon 90 days prior written notice to the other. Reasons for termination may include, but not be limited to, the academic performance, graduation rate and financial accountability of «SRMAP» students while at IIT. Students enrolled as of the date of termination will be permitted to complete their studies.

C. Force Majeure

A party shall be excused from the performance of its obligation under this Agreement, without liability, when circumstances, which are reasonably beyond the ability of the party to control, including, without limitation, acts of God, such as, tornadoes, hurricanes, floods, landslides, earthquakes, epidemics, quarantine, and pestilence; acts of war or terrorism; blockades, insurrections, or national or international calamities; governmental interference; inability to obtain labor, energy, materials or supplies; riot, civil commotion, strike, or lockout; fire and other casualties exist. The party shall be excused from its obligations for as long as the circumstances continue; provided, however, if the circumstances continue for more than thirty (30) days, then either party may cancel the Agreement by written notice to the other.

D. Notice

In order to discuss detailed matters and to transmit information both universities will appoint a program liaison, who will act as the point of communication.

Any notice to either party must be in writing signed by the party giving it, and shall be served either personally or by air courier to the following addresses:

IIT
Dr. Darsh Wasan
Vice President
Illinois Institute of Technology
10 West 33rd St. PH 228
Chicago, IL 60616 USA
Tel. 312.567.3001
Fax. 312.567.3003
Email: wasan@iit.edu

SRMAP
Dr. D. Gunasekaran
Registrar
SRM University-AP
Neerukonda, 522502
Andhra Pradesh, India
+91-866-2429299
registrar@srmap.edu.in

E. Financial Responsibility

All SRMAP students admitted to IIT will be responsible for any fees not covered by any scholarships or waivers, including but not limited to tuition, room and board, activities, and services fees, insurance, books, supplies and personal expenses. Current tuition and other fees are listed at <https://web.iit.edu/student-accounting/tuition-fees/current-tuition>

In order to assure that students have health insurance valid in the United States, all SRMAP students shall be required to participate in IIT's Student Health Plan, for the duration of their enrollment at IIT. SRMAP will use its best efforts to verify that visiting faculty have health insurance coverage valid in the United States.

F. Advertising

Except in a comprehensive listing of its international partners, IIT and SRMAP may not use the other's name, seal or other identifying or proprietary information in catalogues, advertising materials or anything else, unless the other has reviewed and approved of the proposed use.

G. Rules and Regulations

During their period of enrollment at either university, Dual Degree students are subject to the rules and regulations of that university.

H. Compliance

The parties agree to cooperate with one another to ensure that any actions taken in furtherance hereof proceed in accordance with applicable laws and regulations, including, without limitation, the Family Educational Rights and Privacy Act.

I. Dispute Resolution

IIT and SRMAP agree to attempt to resolve any dispute under this agreement through friendly discussions and negotiations.

J. Integration

This Agreement constitutes the entire understanding of the parties, and any change or modification shall be in writing and signed by both parties.

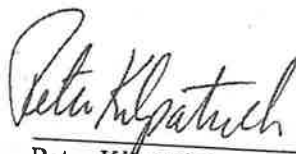
This Agreement has been executed by each of the parties as of the date first written above.


Illinois Institute of Technology

SRM University-AP, India

By

By


Peter Kilpatrick, 11/03/2020
Provost


Dr. D. Gunasekaran
Registrar 29.06.2020

Appendix A
to
Agreement
for
Academic Cooperation
between
Illinois Institute of Technology, USA
SRM University-AP, India

General Transfer Credit Guidelines for First Two Years in 2+2 programs

SRMAP students who wish to join IIT's Bachelor's degree programs in engineering, science, or computer science should complete at least 12 credit hours of calculus-based mathematics courses within the first two years of their study and 8 credit hours of physics.

SRMAP students who wish to join IIT's programs in computer information systems should complete at least of 5 hours of calculus-based mathematics within the first two years of their study.

In general, during their first two years, SRMAP students who wish join IIT's business programs should complete 5 hours of calculus-based mathematics, and 11 hours of science courses with 2 courses in the same subject. Students are expected to satisfactorily complete the remaining courses in the IIT undergraduate Business Administration curriculum.

SRMAP students who wish to join IIT's programs in the School of Applied Technology (including Industrial Technology and Management and Information Technology and Management) or in the College of Human Sciences (including Psychology, Communication) should take courses equivalent to the courses listed in the specific curriculum (See current Bulletin: Undergraduate Programs link on the page (<http://web.iit.edu/ugaa/undergraduate-bulletin>))

In all cases, students who lack the recommended credits may take additional courses at IIT to satisfy the requirements. In some cases, such students may need more than 2 years to complete the IIT Bachelor's degree programs.

Dear Students,

Illinois Institute of Technology, Chicago: Semester Abroad Program (SAP) Spring 2023 (January - May 2023)– Traditional In-person mode

We are delighted to invite students to apply for a semester abroad at **Illinois Institute of Technology, Chicago (IIT Chicago)** for Spring 2023 semester (January - May 2023) in traditional in-person mode.

IIT Chicago, USA		
Costs	US \$	Rs lacs
Tuitions Fee (this is maximum and could reduce depending on credits)	22,075	17.66
Living Expenses	7725	6.18
Travel	2770	2.22
Health insurance	1441	1.16
Others (Activity fee, Student Service fee, UPASS fee, New Student fee, course fee)	1177	0.95
Total	35188	28.16
Scholarship	10000	8.00
Net amount	25188	20.16

The net cost would be close to Rs 20 - 21 lacs which broadly includes the host university tuition fee, health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this email carefully and only apply if you fit the criteria and are interested.

Eligibility Criteria (All mandatory):

- B.Tech.** Students from all branches who are currently in their 3rd year.
BBA - Students from 2nd year.
- CGPA > 8.5.
- No standing backlogs in the courses

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

Please submit your application through SRMAP Student Portal by no later than Thursday, 15 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmap.edu.in

For any technical support, please write to itkm.helpdesk@srmap.edu.in

The shortlisted candidates will be called for interviews in due course.

Semester Abroad Program (SAP) - Spring 2024



"Make your January to June Semester International".

The United States of America

*Last date to Apply (SRM AP Student Portal) – September 23, 2023

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accomo.)	Total Cost (Approx)
1	University of Wisconsin-Madison	65	2021	6	B.Tech.	Computer Science and Engineering	8	11,50,000	9,00,000	21,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	8			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8			
			2021	6	B.Tech.	Mechanical Engineering	8			
			2021	6	B.Tech.	Civil Engineering	8			
			2022	4		Bachelor of Business Administration (BBA)		8		
2	Illinois Institute of Technology- Chicago	443	2021	6	B.Tech.	Computer Science and Engineering	8.5	9,00,000	9,00,000	18,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	8.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8.5			
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Civil Engineering	8.5			
			2022	4		Bachelor of Business Administration (BBA)		8.5		

Semester Abroad Program (SAP) - Spring 2024



3	University of California - Berkeley	27	2021	6	B. Tech.	Civil Engineering	9.5	16,00,000	8,00,000	24,00,000
			2021	6	B. Tech.	Electronics and Communication Engineering	9.5			
			2021	6	B. Tech.	Electrical and Electronics Engineering	9.5			
			2021	6	B. Tech.	Mechanical Engineering	9.5			
			2021	6	B. Tech.	Computer Science and Engineering	9.5			
			2022	4	Bachelor of Business Administration (BBA)		9.5			
4	University of California - Davis	102	2021	6	B. Tech.	Civil Engineering	8.5	10,00,000	8,00,000	18,00,000
			2021	6	B. Tech.	Mechanical Engineering	8.5			
			2021	6	B. Tech.	Computer Science and Engineering	8.5			
			2021	6	B. Tech.	Electrical and Electronics Engineering	8.5			
5	Western Michigan University	1001-1200	2021	6	B. Tech.	Electrical Engineering	8.5	6,80,000	8,00,000	15,00,000
			2021	6	B. Tech.	Civil Engineering	8.5			
			2021	6	B. Tech.	Mechanical Engineering	8.5			
			2021	6	B. Tech.	Computer Engineering	8.5			
			2022	4	Bachelor of Science	Chemistry	8.5			
			2022	4	Bachelor of Science	Computer Science	8.5			
			2022	4	Bachelor of Arts	Economics	8.5			

Semester Abroad Program (SAP) - Spring 2024



6	University of Notre Dame International	243	2022	4	B.Tech.	Electrical Engineering	9	14,26,000	9,50,000	24,00,000
			2021	6	B.Tech.	Electrical Engineering	9			
			2022	4	B.Tech.	Civil Engineering	9			
			2021	6	B.Tech.	Civil Engineering	9			
			2022	4	B.Tech.	Computer Engineering	9			
			2021	6	B.Tech.	Computer Engineering	9			
			2022	4	B.Tech.	Mechanical Engineering	9			
			2021	6	B.Tech.	Mechanical Engineering	9			
			2022	4	Bachelor of Science	Computer Science	9			
			2022	4	Bachelor of Science	Mathematics	9			
			2022	4	Bachelor of Science	Physics	9			
			2022	4	Bachelor of Science	Chemistry	9			

*Student applying to SAP should have **NO** existing backlog.

*Please submit your application through **SRMAP Student Portal** by no later than **Saturday, 23 September 2023**. Kindly go through the attachment for further guidance.

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.



MEMORANDUM OF UNDERSTANDING

BETWEEN

SRM UNIVERSITY AP

And

ASIA UNIVERSITY, TAIWAN

This Memorandum of Understanding (this Memorandum) is made this 29th day of March 2020

1) SRM University AP and ASIA University, Taiwan hereby agree to encourage academic cooperation through research and study in furtherance of the advancement of learning as stipulated below:

- To encourage visits by faculty from one university to the other to engage in research or other educational activities;
- To facilitate the admission of qualified students from one university to another to enrol in undergraduate and graduate programmes, and in the case of advanced graduate student, participate in research ;
- To faster the exchange of academic publications and scholarly information;
- To promote other academic activities which enhance the above-mentioned goals.

2) Both universities acknowledge that the visit by faculty and students from one university to the other shall be subject to entry and visa regulation of the Republic of INDIA and TAIWAN and shall comply with the regulations and policies of SRM University AP and ASIA University, Taiwan.



3) Neither institution shall incur any financial obligation under this agreement. Application of financial support towards the co-operation and individual activities planned under this agreement will be transacted and undertaken with mutual consent.

4) The exchange of faculty or students will be dependent upon the execution of a formal faculty or student exchange Agreement mutually agreed between the parties in writing before the commencement of the activity.

5) Both universities agree to review this Memorandum of Understanding after five (5) years following the date of signing. It shall be renewed for another successive five (5) years period after written consent of both the universities during the expiry of the first five years term of collaboration, unless either party gives the other written notice of its desire to either terminate or revise this Memorandum three months prior to the termination of a given five year period.

The two Parties have executed this Memorandum by their respective duly authorized representatives.

ASIA University, Taiwan

A handwritten signature in black ink, appearing to read "Jeffrey J.P. Tsai", written over a horizontal line.

Name: Prof. Dr. Jeffrey J.P. Tsai

Title: President
ASIA University, Taiwan

Date:

SRM University AP

A handwritten signature in black ink, appearing to read "Dr. P. Sathyanarayanan", written over a horizontal line.

Name: Dr. P. Sathyanarayanan

Title: Founder & Pro Chancellor
SRM University AP


Date: 29 / 03 / 2020

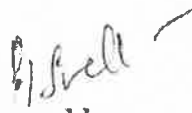
The Directorate of International Relations & Higher Studies**Date: 23-11-2023****Note Sheet**

The following students have completed their onsite Internship under our partner university at Asia University, Taiwan.

S.N.	Name of the Student	Enrollment Number	Name of Department	Start date of Internship	End Date of Internship
1	Panguluri Jaswanth Roy	AP19110010524	Computer Science and Engineering	1st March 2023	30th June 2023

The supporting documents are attached for your reference.


Submitted by
Nishant Mankar
Program Coordinator
International Internship Program


Approved by
Dr. Naga Swetha Pasupuleti
Director-IRHS

Director
International Relations and Higher Studies
SRM University-AP, Andhra Pradesh



亞洲大學

Date: 2023/07/01

CERTIFICATE OF TEEP PROGRAM

This is to certify that

Mr. Panguluri Jaswanth Roy (Student ID 111711897)

was the student at TEEP program

(Taiwan Experience Education Program),

the Department of Computer Science & Information Engineering, Asia
University.

He had completed **TEEP internship** for 4 months in cloud computing
and serverless (AWS) from Mar. 2023 to Jun. 2023.

Robert Hsu

Ching-Hsien Hsu ||

Robert || PhDChair

Professor and Dean

College of Information and Electrical Engineering, Asia University, Taiwan





**Letter of Intent
between
University of Wisconsin-Madison, U.S.A.
and
SRM UNIVERSITY-AP, ANDHRA PRADESH, INDIA**

This letter outlines how the University of Wisconsin–Madison (UW-Madison) and SRM UNIVERSITY-AP, ANDHRA PRADESH (SRM-AP) can work together by providing undergraduate and graduate students enrolled at SRM-AP, a study experience for one or more terms (summer, fall, and/or spring terms), with a maximum length of one year at UW-Madison. Students can apply to begin their studies during any of the terms. The study experience at UW–Madison will be as visiting non-degree students under the Visiting International Student Program (VISP) www.VISP.wisc.edu within the Division of Continuing Studies.

1. Eligibility and requirements

- 1.1. SRM-AP students must meet the VISP eligibility criteria outlined on the VISP website.
- 1.2. SRM-AP students should be flexible in the courses they plan to take. VISP cannot guarantee enrollment in specific courses. Admissions and enrollment decisions may require prior completion of prerequisites and are made on a space-available basis. Some courses, departments, or colleges may not be available due to enrollment limitations.
- 1.3. SRM-AP students will be admitted as University Special Students and will attend regular classes on a fulltime basis. VISP coordinators will facilitate student academic advising and the appropriate orientation program for international students.
- 1.4. SRM-AP students will receive academic credit and grades for the courses they complete at UW–Madison. This information will be recorded on the student’s official UW–Madison transcript. UW–Madison cannot guarantee that SRM-AP will accept for transfer credit all credits earned at UW–Madison. Questions about whether transfer credit will be accepted should be directed to SRM-AP
- 1.5. SRM-AP students participating in VISP will be assessed international, out-of-state tuition and fees, and will be responsible for the costs of their travel, housing, living expenses, text books, and UW–Madison’s Student Health Insurance Plan (SHIP) health insurance.
- 1.6. SRM-AP students will be credit bearing visiting students and have the same access to university resources and student services as degree-seeking students. Students will be eligible for an official UW–Madison transcript. The VISP coordinators will make students aware of how to request an official transcript at the end of their program.
- 1.7. Students must remain in status in accordance with their visa and will be required to enroll in UW–Madison’s Student Health Insurance Plan (SHIP) at their own expense.
- 1.8. SRM-AP students participating in VISP will continue as degree candidates at SRM-AP and will not be candidates for degrees from UW–Madison while in the VISP program.

2. Responsibilities of UW–Madison

- 2.1. VISP administrators at UW–Madison will be responsible for final admission decisions.
- 2.2. VISP administrators at UW–Madison will exercise administrative and educational control and technical supervision over the student’s academic activities during the period of visiting.
- 2.3. VISP administrators at UW–Madison will give information to SRM-AP students to assist the students in finding on-campus or off-campus housing, depending on availability. UW–Madison does not warrant the

Division of Continuing Studies
Adult Career & Special Student Services

quality or habitability of any housing not owned or controlled by UW–Madison and specifically disclaims any liability related to housing not owned or controlled by UW–Madison. VISP students are responsible for securing their own housing.

- 2.4. UW–Madison will issue appropriate documents for visa purposes, but students retain responsibility for obtaining an appropriate visa. Students must show proof of adequate funds to support their school and living expenses for the length of their stay to receive their student visa. This support can be documented through a combination of personal, family, or scholarship funds, as outlined by US government regulations.

3. Responsibilities of SRM-AP

- 3.1. SRM-AP will be responsible for making applicants aware of VISP to attract the most talented students.
3.2. SRM-AP will be responsible for pre-selection of students according to the qualification criteria set by UW–Madison, including flexibility in course selection and a diversity of majors.
3.3. SRM-AP will direct selected students to submit VISP application materials to VISP administrators at UW–Madison at least three (3) months before the start of the next term.

4. Joint Responsibilities of SRM-AP and UW–Madison

- 4.1. VISP administrators at UW–Madison and SRM-AP will jointly determine the number of SRM-AP applicants for VISP on an annual basis, as space is available.
4.2. Each institution agrees to appoint an overall coordinator for the administration of this agreement.
4.3. For the term of this Letter of Intent, each party grants to the other party a limited, non-exclusive, royalty-free license to use its logo and name solely for the promotion of the program outlined in this Letter of Intent. Except as otherwise set forth in this paragraph, each party agrees not to use the other party's name, trademarks, or other intellectual property in any manner without prior written consent in each instance.

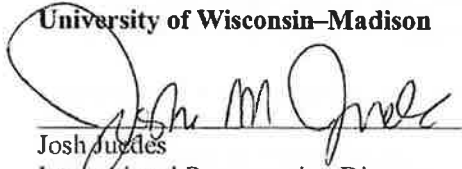
5. Duration of the Letter


- 5.1. The terms of this Letter of Intent may be changed, modified, and amended only by written amendment signed by the parties hereto.
5.2. This shall be effective upon the signing by both parties and shall remain in effect for three year(s); unless terminated earlier. It may be terminated by either party upon at least six (6) months' written notice to the other party, provided that all students enrolled in the program(s) at the time of notice of termination is given shall be permitted to finish their course of study.

IN WITNESS WHEREOF, the parties hereto execute this Letter of Intent as follows:

University of Wisconsin–Madison


SRM-AP



Josh Jusiles
International Programming Director
Division of Continuing Studies


Dr. D. Gunasekaran
Registrar

Date: 1/22/2020

Date: January 1, 2020


Guido Podestà
Vice Provost and Dean
International Division


Dr. P. Sathyanarayanan
President

Date: 1. 24. 20

Date: February 28, 2020

Division of Continuing Studies
Adult Career & Special Student Services



Renewed

**Letter of Intent
Between
University of Wisconsin-Madison, USA
(Madison, WI, USA)
And
SRM University - AP, Andhra Pradesh, India
(Mangalagiri -Mandal, Neeru Konda, Amaravati, Andhra Pradesh 522502)**

This letter outlines how our two institutions can work together by providing undergraduate and graduate students enrolled at SRM University – AP, Andhra Pradesh (SRM AP), a study experience for one or more terms (summer, fall, and/or spring terms), with a maximum length of two years at the University of Wisconsin-Madison (UW-Madison). Students can apply to begin their studies during any of the terms. The study experience at the UW-Madison will be as visiting non-degree students under the Visiting International Student Program (VISP) www.VISP.wisc.edu within the Division of Continuing Studies.

1. Eligibility and Requirements

- 1.1. SRM AP students must meet the VISP eligibility criteria outlined on the VISP website.
- 1.2. SRM AP students should be flexible in the courses they plan to take. VISP cannot guarantee enrollment in specific courses. Admissions and enrollment decisions may require prior completion of prerequisites and are made on a space-available basis. Some courses, departments, or colleges may not be available due to enrollment limitations.
- 1.3. SRM AP students will be admitted as University Special Students and will attend regular classes on a full time basis. VISP coordinators will facilitate student academic advising and the appropriate orientation program for international students.
- 1.4. SRM AP students will receive academic credit and grades for the courses they complete at UW-Madison. This information will be recorded on the student's official UW-Madison transcript. UW-Madison cannot guarantee that SRM AP will accept for transfer credit all credits earned at UW-Madison. Questions about whether transfer credit will be accepted should be directed to the SRM AP.
- 1.5. SRM AP students participating in VISP will be assessed international, out-of-state tuition and fees, and will be responsible for the costs of their travel, housing, living expenses, textbooks, and UW-Madison's Student Health Insurance Plan (SHIP) health insurance.
- 1.6. SRM AP students will be credit bearing visiting students and have the same access to university resources and student services as degree-seeking students. Students will be eligible for an official UW-Madison transcript. The VISP coordinators will make students aware of how to request an official transcript at the end of their program.
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2. Responsibilities of UW-Madison

- 2.1. VISP administrators at UW-Madison will be responsible for final admission decisions.
- 2.2. VISP administrators at UW-Madison will exercise administrative and educational control and technical supervision over the student's academic activities during the period of visiting.



[Handwritten signature]

- 2.3. VISP administrators at UW–Madison will give information to SRM AP students to assist the students in finding on-campus or off-campus housing, depending on availability. UW–Madison does not warrant the quality or habitability of any housing not owned or controlled by UW–Madison and specifically disclaims any liability related to housing not owned or controlled by UW–Madison. VISP students are responsible for securing their own housing.
- 2.4. UW–Madison will issue appropriate documents for visa purposes, but students retain responsibility for obtaining an appropriate visa. Students must show proof of adequate funds to support their school and living expenses for the length of their stay in order to receive their student visa. This support can be documented through a combination of personal, family, or scholarship funds, as outlined by U.S. government regulations.
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- 3.3. SRM AP will direct selected students to submit VISP application materials to VISP administrators at UW–Madison at least three (3) months before the start of the next term.
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- 4.1. VISP administrators at UW–Madison and SRM AP will jointly determine the number of SRM AP applicants for VISP on an annual basis, as space is available.
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- 5. Duration of the Letter**
- 5.1. The terms of this Letter of Intent may be changed, modified, and amended only by written amendment signed by the parties hereto.
- 5.2. This shall be effective upon the signing by both parties and shall remain in effect for five year(s), unless terminated earlier. It may be terminated by either party upon at least six (6) months' written notice to the other party, provided that all students enrolled in the program(s) at the time of notice of termination shall be permitted to finish their course of study.
- 6. Force Majeure**
- Neither party shall be responsible for any inability or failure to comply with the terms of this Letter of Intent due to causes beyond its control and without the negligence or malfeasance of such party. These causes shall include, but not be restricted to: fire, storm, flood, earthquake, explosion, acts of the public enemy, war, rebellion, insurrection, mutiny, sabotage, epidemic, pandemic, quarantine restrictions, labor disputes, embargoes, acts of God, acts of the United States or acts of any other government.
- 7. Pandemic Response**
- The parties understand and agree that performance of this Letter of Intent is subject to each institution's policies and procedures for managing risks associated with the COVID-19 pandemic. Should there be a conflict between an institution's responsibilities under this Agreement and that institution's current pandemic response policies or procedures, the parties agree that the institutional pandemic response policies and procedures take precedence over the terms and conditions of this Agreement. Any failure by an institution to fulfill responsibilities anticipated by this Agreement that conflict with institutional pandemic response policies and procedures will not be considered a breach of this Agreement.
- IN WITNESS WHEREOF, the parties hereto execute this Letter of Intent as follows:



[Handwritten signature]

University of Wisconsin-Madison

Joshua M. Juedes

Josh Juedes
International Programming Director
Division of Continuing Studies
Date: May 23, 2023



Barry Gerhart

Barry Gerhart
Interim Vice Provost and Dean
International Division
Date: 1 June 2023

SRM University -AP, Andhra Pradesh

mm

Dr. R. Premkumar, R. PREMKUMAR
Registrar REGISTRAR
SRM UNIVERSITY - AP
Date: Andhra Pradesh - 522240

23/05/2023



PA Swetha

Dr. Naga Swetha Pasupuleti
Director- International Relations & Higher Studies

Date: _____

The Directorate of International Relations & Higher Studies

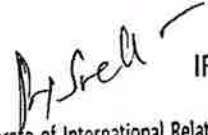
Dear Sir/ Ma'am,

The Directorate of International Relations & Higher Studies in collaboration with University of Wisconsin – Madison, USA organized the Semester Abroad Programme – Spring 2022.

The student of SRM University AP from the department of Civil Engineering, **Borukati Dhathrika Varma** enrolment number **AP19110050014** has participated in this program from **25th January to 15th May 2022** to pursue his/her 6th semester.

Please find the details of the courses undertaken by the student at host university:

S. No	Course Code	Course title	Credits
1	CIV ENGR 522	Hazardous Waste Management	3
2	CIV ENGR 428	Waste Treatment Plant Design	3
3	CIV ENGR 929	Seminar - Environmental Engineering	1
4	CIV ENGR 423	Air Pollution Effects, Measurements and Control	3
5	CIV ENGR 573	Geometric Design of Transport Facilities	3


Regards,
IR & HS Department
Directorate of International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

SRM University, AP - Andhra Pradesh, Neeru Konda Post, Mangalagiri (MD), Guntur (DT),

Andhra Pradesh 522502, www.srmap.edu.in, Phone: 0863 - 234 300



Poly(3-hydroxybutyrate) production from industrial hemp waste pretreated with a chemical-free hydrothermal process

Anindita Paul^a, Linjing Jia^a, Erica L.-W. Majumder^b, Chang Geun Yoo^a, Karthik Rajendran^c, Esteban Villarreal^d, Deepak Kumar^{a,*}

^a Department of Chemical Engineering, SUNY College of Environmental Science & Forestry, Syracuse, NY 13210, USA

^b Department of Bacteriology, University of Wisconsin-Madison, Madison, WI 53706, USA

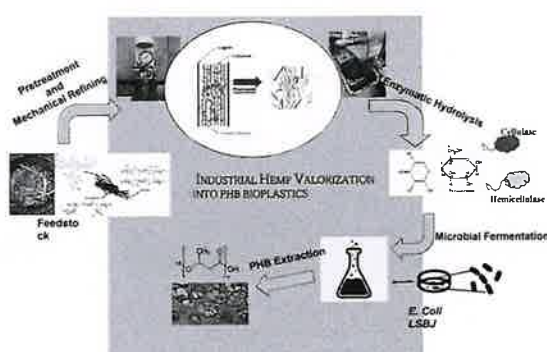
^c Department of Environmental Science and Engineering, School of Engineering and Sciences, SRM University-AP, Amaravati, Andhra Pradesh 522240, India

^d Verabloom/Central Processors, Inc, Syracuse, NY 13214, USA

HIGHLIGHTS

- Industrial hemp fibrous waste was investigated as feedstock for PHB production.
- Two-step hydrothermal pretreatment at 200°C and 10 min resulted in 92% hydrolysis yield.
- Xylan content decreased at higher pretreatment temperature (200°C).
- Hydrolysate fermentation with *E. coli* LSBJ yielded 47.73% cellular PHB inclusion.
- pH regulation during fermentation boosted cell weight and PHB yield by two-fold.

GRAPHICAL ABSTRACT



ARTICLE INFO

Keywords:

Bioplastics
Poly(3-hydroxybutyrate)
Recombinant *Escherichia coli*
Industrial hemp
Mild pretreatment

ABSTRACT

In this study, a mild two-stage hydrothermal pretreatment was employed to optimally valorize industrial hemp (*Cannabis sativa* sp.) fibrous waste into sugars for Poly(3-hydroxybutyrate) (PHB) production using recombinant *Escherichia coli* LSBJ. Biomass was pretreated using hot water at 160, 180, and 200 °C for 5 and 10 min (15% solids), followed by disk refining. The sugar yields during enzymatic hydrolysis were found to improve with increasing temperature and the yields for hot water-disk refining pretreatment (HWDM) were higher compared to only hot water pretreatment at all conditions. The maximum glucose (56 g/L) and cellulose conversion (92%) were achieved for HWDM at 200 °C for 10 min. The hydrolysate obtained was fermented at a sugar concentration of 20 g/L. The PHB inclusion and concentration of 48% and 1.8 g/L, respectively, were similar to those from pure sugars. A pH-controlled fermentation resulted in a near bi-fold increase in PHB yield (3.46 g/L).

* Corresponding author at: 306 Walters Hall, 1 Forestry Drive, Department of Chemical Engineering, SUNY College of Environmental Science and Forestry, Syracuse, NY 13210, USA.

E-mail address: dkumar02@esf.edu (D. Kumar).

<https://doi.org/10.1016/j.biortech.2023.129161>

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Available online 10 May 2023

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Dear Students,

University of Wisconsin, Madison: Semester Abroad Program (SAP) Spring 2023 (January - May 2023) - Traditional In-person mode

We are delighted to invite students to apply for a semester abroad program at **University of Wisconsin, Madison (UWM)** for Spring 2023 semester (January - May 2023) in traditional in-person mode.

University of Wisconsin, Madison, USA		
	US\$	Rs Lacs
Costs		
Tuitions Fee (including International Student Services and for official university transcripts fee) – with \$6000 scholarship	14,444	11.56
Living Expenses (including health insurance, housing, food, books)	8,586	6.87
Travel	3,125	2.50
Others	150	0.12
Net amount	26,305	21.05

The net cost would be close Rs 21 - 22 lacs which broadly includes the host university tuition fee, health insurance, traveling and stay cost etc. Please note that SRM University-AP will NOT provide any scholarships/financial aids towards this SAP.

IMPORTANT: Please read this email carefully and only apply if you fit the criteria and interested.

Eligibility Criteria (All mandatory):

1. **B.Tech.** - Students from all branches who are currently in their 3rd year.
BBA - Students from 2nd Year.
B.Sc. - Students from branches (Physics, Chemistry, Mathematics, Biology) in their 2nd year.
B.A. - Students from branches (English, Psychology) in their 2nd year.

2. CGPA > 8

3. No standing backlogs in the courses

Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

Please submit your application through SRMAP Student Portal by no later than Thursday, 15 September 2022. Kindly go through the attachment for further guidance.

DO NOT SEND APPLICATIONS TO THIS EMAIL ID, WHICH WILL BE STRICTLY REJECTED.

If you have any SAP related queries, please write to ir.helpdesk@srmap.edu.in

For any technical support, please write to itkm.helpdesk@srmap.edu.in

The shortlisted candidates will be called for interviews in due course.

Semester Abroad Program (SAP) - Spring 2024

"Make your January to June Semester International".

The United States of America

*Last date to Apply (SRM AP Student Portal) – September 23, 2023

S. No.	University Name	QS Rank	Batch	SAP Semester	Programme Name	Specialization	CGPA	~Tuition Fee (INR)	~Other Cost (Travel+Accomo.)	Total Cost (Approx)
1	University of Wisconsin-Madison	65	2021	6	B.Tech.	Computer Science and Engineering	8	11,50,000	9,00,000	21,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	8			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8			
			2021	6	B.Tech.	Mechanical Engineering	8			
			2021	6	B.Tech.	Civil Engineering	8			
			2022	4	Bachelor of Business Administration (BBA)		8			
2	Illinois Institute of Technology- Chicago	443	2021	6	B.Tech.	Computer Science and Engineering	8.5	9,00,000	9,00,000	18,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	8.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8.5			
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Civil Engineering	8.5			
			2022	4	Bachelor of Business Administration (BBA)		8.5			

Semester Abroad Program (SAP) - Spring 2024

3	University of California - Berkeley	27	2021	6	B.Tech.	Civil Engineering	9.5	16,00,000	8,00,000	24,00,000
			2021	6	B.Tech.	Electronics and Communication Engineering	9.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	9.5			
			2021	6	B.Tech.	Mechanical Engineering	9.5			
			2021	6	B.Tech.	Computer Science and Engineering	9.5			
			2022	4	Bachelor of Business Administration (BBA)		9.5			
4	University of California - Davis	102	2021	6	B.Tech.	Civil Engineering	8.5	10,00,000	8,00,000	18,00,000
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Computer Science and Engineering	8.5			
			2021	6	B.Tech.	Electrical and Electronics Engineering	8.5			
5	Western Michigan University	1001-1200	2021	6	B.Tech.	Electrical Engineering	8.5	6,80,000	8,00,000	15,00,000
			2021	6	B.Tech.	Civil Engineering	8.5			
			2021	6	B.Tech.	Mechanical Engineering	8.5			
			2021	6	B.Tech.	Computer Engineering	8.5			
			2022	4	Bachelor of Science	Chemistry	8.5			
			2022	4	Bachelor of Science	Computer Science	8.5			
			2022	4	Bachelor of Arts	Economics	8.5			

Semester Abroad Program (SAP) - Spring 2024



6	University of Notre Dame International	243	2022	4	B.Tech.	Electrical Engineering	9	14,26,000	9,50,000	24,00,000
			2021	6	B.Tech.	Electrical Engineering	9			
			2022	4	B.Tech.	Civil Engineering	9			
			2021	6	B.Tech.	Civil Engineering	9			
			2022	4	B.Tech.	Computer Engineering	9			
			2021	6	B.Tech.	Computer Engineering	9			
			2022	4	B.Tech.	Mechanical Engineering	9			
			2021	6	B.Tech.	Mechanical Engineering	9			
			2022	4	Bachelor of Science	Computer Science	9			
			2022	4	Bachelor of Science	Mathematics	9			
			2022	4	Bachelor of Science	Physics	9			
			2022	4	Bachelor of Science	Chemistry	9			

*Student applying to SAP should have **NO** existing backlog.

***Please submit your application through SRMAP Student Portal by no later than Saturday, 23 September 2023. Kindly go through the attachment for further guidance.**

*Actual living costs depend on your choice of dorm/accommodation and food/dining preferences.

*All cost mentioned are approximate and are subject to change as per currency conversion/partner university norms.



ఆంధ్ర ప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH 15 FEB 2020

CF 338971

S.No: 2785 Date: 15/02/2020 Rs. 100/-

Sold to Sri: P. Ramesh Kumar s/o P. Ganjara Raju;

For Whom: S. R. M. University A.P

G. Mohana Krishna

G. MOHANA KRISHNA

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L.No: 07-08-013/2019

Nowluru, Mangalagiri.

GUNTUR-522 503, Cell: 9866722367.

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as "MOU") entered into on this 20th day of February 2020 by and between:

Between

Amara Raja Batteries Limited, a Company incorporated under the Companies Act, 1956 and having its Registered Office and Works at Renigunta – Cuddapah Road, Karakambadi, Tirupati - 517520, Andhra Pradesh, India, (hereinafter referred to as "ARBL"), which term shall unless repugnant to the context include its successors, administrators and permitted assignees of the **First Party**;

AND

SRM University, Andhra Pradesh located at Neerukonda, Mangalagiri Mandal, Guntur District, Andhra Pradesh – 522502 (hereinafter referred to as "SRM-AP"), which term shall unless repugnant to the context include its successors, administrators and permitted assignees of the **Second Party**;



The Parties to this MOU are individually referred to as the "Party" and collectively referred to as "Parties".

- A. WHEREAS ARBL is engaged in multifarious businesses which inter alia include automotive and industrial batteries and operating business in India and various countries under 'AMARON®' brand and ARBL has through its experience and extensive research, developed automotive and industrial batteries which have become very popular in India and different countries of the world and is also in the process of developing various new lines of businesses.
- B. WHEREAS, SRM University, Andhra Pradesh is a renowned university in the state of AP, known for its quality in education. SRM University has earned its reputation in the field of education and research activities. It is on the verge of emerging World Class University in imparting education.
- C. WHEREAS ARBL and SRM-AP desire to enter into an agreement in which ARBL and SRM-AP will work together for joint research and development of low cost electrode compositions, new advanced materials and other Li-Ion battery technology projects and also proto type cells of other advanced battery technologies (hereinafter referred to as the "Project").
- D. WHEREAS ARBL and SRM-AP are desirous to enter into a MOU between them, setting out the working arrangements that each of the Parties for the joint research and development of low cost electrode compositions, new advanced materials, Li-Ion battery technology projects and also proto type cells of other advanced battery technologies.

THIS MOU IS NOW MADE AND ENTERED INTO AND BOTH THE PARTIES HERETO AGREE AS FOLLOWS:

1. PURPOSE:

The purpose of this MOU is to provide the framework for Collaborative Project to be undertaken by and between ARBL and SRM-AP.

2. AREAS OF COLLABORATION:

The Parties agree to collaborate in the following areas/domains:

- A. To participate in the Projects in the areas of energy storage batteries and energy involving new materials, designs, proto type development, etc. as mentioned in Annexure-A of the MOU.

- B. Establishment of joint research center at SRM university for Collaborative Projects by SRM-AP and ARBL (hereinafter referred to as the "Center"). ARBL will providing essential raw material for collaborative projects.
- C. The joint research center will be also used by ARBL for internship programs of its engineers.

3. OBLIGATION OF THE PARTIES

The Parties acknowledge that no contractual relationship is created between them by this MOU, but agree to work together to ensure that there is a united visible and responsive leadership of the Project and to demonstrate financial, administrative and managerial commitment to the Project by means of the following individual services.

4. CO-OPERATION

The activities and services for the Project shall include, but not limited to:

4.1 Services to be rendered by ARBL include

- a. The Project funding shall be provided by ARBL based on the mutually agreed terms. ARBL contribution towards joint research center will be as per **Annexure - B** of the MOU.
- b. ARBL will depute appropriate its personnel to participate in the Project/s, as per mutual agreement between the Parties.
- c. ARBL will utilize the facilities available in the Center, for carrying out the experimental and computational works necessary for the Project.
- d. ARBL and SRM-AP will share their know-how with each other which may be deemed necessary for the Project and will be limited for the purpose of this Project.

4.2 Services to be rendered by SRM-AP include

- a. SRM-AP shall complete the activities in the said items and deliver the Products to ARBL as per the objective and schedule agreed upon and defined in **Annexure - A** of this MOU.
- b. SRM-AP shall comply with all the applicable laws and regulations for executing the Project pursuant to this MOU.
- c. SRM-AP will share its facilities, unavailable in ARBL, for carrying out the experimental and computational facilities necessary for the Project/s.

5. DESIGN REGISTRATION OF PRODUCT

The Parties agree that outward shape, configuration, pattern, aesthetic look of the Product shall be owned and registered by ARBL.

6. COMMERCIALIZATION OF THE PRODUCT

Exclusive Right: Post completion of the design and development of the Product, SRM-AP shall offer the Product to ARBL for commercialization. The Parties have agreed that ARBL shall have exclusive right to commercialize the Product.

7. REPORTS

SRM-AP will provide brief progress reports of the Project on a Quarterly basis and a final report within four weeks of completion of the Project (the "Final Report"). ARBL will have sole ownership of all right, title and interest in and to the Final Report. During the term of this Agreement, representatives of SRM-AP will consult and/or meet with representatives of ARBL each quarter to discuss progress and results, as well as ongoing plans of the Project and SRM-AP will provide Project information to ARBL as reasonably requested.

8. Acceptance

When in SRM-AP's opinion, its formal testing of deliverables due under the MOU ("Deliverables") is complete, SRM-AP shall provide written (including fax or electronic mail) notification to ARBL of completion of testing. ARBL shall have thirty (30) days ("Acceptance Period") to determine if the Deliverables conform to the MOU and those specifications or acceptance criteria agreed to in writing between the Parties ("Acceptance Criteria"). If the Deliverables are substantially in conformity with the Acceptance Criteria, then on or prior to expiration of the Acceptance Period, ARBL shall provide SRM-AP with written notice of acceptance.

ARBL shall be deemed to have accepted the Deliverables unless prior to the expiration of the Acceptance Period, ARBL provides SRM-AP with written notice to the effect that the Deliverables fail to conform to the Acceptance Criteria.

In the event that deficiencies are reported, SRM-AP shall at its own expense depute the appropriate personnel to investigate and correct, if necessary, deficiencies reported by ARBL during the Acceptance Period. Except as provided herein, ARBL shall have thirty (30) days from the date of correction of identified deficiencies to test Deliverables and give an acceptance or notice of further deficiencies in the Deliverables.

9. FINANCIAL AND OTHER ARRANGEMENTS

ARBL will contribute amounts for purchasing the equipment's for the Center in phase wise manner and SRM-AP will contribute the lab and infra facilities to the Center along with allotting research staff /faculty and pay from its own the fellowship for research scholars.

10. CO-ORDINATING COMMITTEE

There will be a coordinating committee consisting of Dr. M. Venkateswarlu and Dr. Sujith K respectively from ARBL and SRM-AP respectively and if necessary, additional members may be nominated by respective authorities from each Party who will be responsible for the effective implementation of this MOU.

11. INTELLECTUAL PROPERTY RIGHTS

A. All background intellectual property shall remain the property of the Party disclosing the same to the other Party for the purposes of the collaboration. The use of such Background IP shall be limited to performing each Party's obligations under the collaboration.

B. ARBL shall own results of collaborative projects and exchange programs. This ownership also entitles ARBL to explore commercialization.

When the IP based technology is accepted by ARBL, ARBL will pay INR 15 Lakhs as a grant to SRM-AP. In addition, ARBL will honour the faculty members (of SRM-AP) involved in the project for their contribution towards the development of patented technology with honorarium to be discussed mutually amongst the Parties and will provide the certificate, if required by SRM-AP.

If in case the developed technology is not commercialized due to unavoidable reasons by ARBL and if the same technology is licenced to a third party, in such case the licence fee can be shared equally (50:50) by SRM-AP and ARBL.

C. Right to intellectual property created or developed, while filing the patent/s, the concerned faculty members of SRM-AP shall be included as inventors upon assignment documents to file the patent application are executed in favour of ARBL.

D. Furthermore, if one institution receives any information from the other under a clearly defined non-disclosure agreement, necessary and reasonable care will be taken to protect the intellectual property received from Disclosing Party.

E. SRM-AP shall not use the know-how provided by ARBL for its benefit or for the benefit of third party/s or disclose the same to third party/s except with the prior written consent of ARBL. SRM-AP agrees that it shall not to produce, reproduce,

market or develop any Products/Services using know-how gathered or intellectual property created or developed under this MOU or otherwise, in whole or in part. All Product(s) development shall be promptly communicated by SRM-AP to ARBL.

12. NON-COMPETE

- A. SRM-AP agrees that it shall not by itself or jointly with any another third parties and legal entities, undertake or set up another Center or organization that undertakes activity, project or business that is identical or similar to the Project under this MOU and have identical or similar objective and scope as that of the Project, during the Term of the MOU or expiry or termination of the MOU, except with the prior written consent of ARBL.
- B. SRM-AP further covenants that it shall not discuss with any third parties and legal entities, the details of the Project nor take any grant/ monetary help/ scholarship/funding or any other form of financing from any other competitor for activities having identical or similar objectives and scope of the Project, except with the prior written consent of ARBL.

13. LIABILITY

No liability will arise or be assumed between the Parties as a result of this MOU.

14. TERM

- A. This MOU shall be valid, operative and in force for a period of 5 (five) years on and from the date of signing of this MOU. This Agreement may be renewed as may be mutually decided by the Parties in writing not less than one (1) month prior to the expiration of the term. Either Party may terminate this MOU upon thirty (30) days prior written notice to the other Party.
- B. Upon any termination of this MOU, SRM-AP shall:
- ensure that it does not incur any further commitments with respect to the Project;
 - deliver all deliverables of the Project, the Intellectual property rights developed under this MOU to ARBL within fifteen (15) days from the date of termination.
 - The cash in kind facilities by ARBL may be retained by the Center after the termination of the Project and allowed for internship of ARBL personnel.
 - All clauses are intended to survive termination or expiration of this MOU, including but not limited to, the clauses titled "Confidentiality Obligations" and "Intellectual Property Rights".
 - If termination done by ARBL - all the equipment provided by ARBL can be utilized by center for one year even after date of termination and later to be returned to ARBL.

- If termination done by SRM-AP - all the equipment provided by ARBL have to be returned within 30 days from the date termination along with necessary technical information. Also, SRM-AP should not enter into MoU with other party till the end of the second year from the date of termination.
- If termination done Mutually - all the equipment provided by ARBL have to be returned within 6 months from the date termination along with necessary technical information/patents, etc.

15. NOTICES

All notices required or permitted to be given hereunder shall be in writing, shall make reference to this MOU, and shall be delivered by hand, or dispatched by prepaid air courier or by registered or certified airmail, postage prepaid, addressed to the other Party's address set forth in the opening paragraph or at such addresses, as the other Party may subsequently notify in writing.

16. GOVERNING LAW

This MOU shall be construed in accordance with the Laws of India, and under the jurisdiction of the Courts in Tirupati, Andhra Pradesh, India.

17. CONFIDENTIALITY OBLIGATIONS

During the course of this MOU, the Parties may furnish documents and other material containing information that the Disclosing Party considers proprietary or confidential. Accordingly, and unless agreed otherwise by the Parties in separate agreements, the Parties agree as follows:

- a) The Disclosing Party will label any such documents and material with a legend marked "Confidential" and referring to this MOU.
- b) The Receiving Party will protect such documents and material against disclosure to others with the same care the Receiving Party protects its own documents and material of a similar nature.
- c) The Receiving Party will return such documents and material immediately upon request by the Disclosing Party.
- d) The provisions of this clause do not apply to documents or material containing only information which is publicly known through no fault of the Receiving Party, is lawfully available from another sources, is otherwise disclosed without restriction by the Disclosing Party, was known to the Receiving Party before receipt from the Disclosing Party, or is independently developed by the Receiving Party.

c) Disclosure by the Disclosing Party to the Receiving Party shall neither constitute a waiver of any patent rights by the Disclosing Party nor a grant of a license under any patent or intellectual property rights.

Each Party will ensure that any of its personnel who have access to documents or material received under this MOU are aware of, understand, and agree to abide by this clause.

Both ARBL and SRM-AP shall maintain secrecy of all the findings related to investigations/analysis/testing with regard to this Project and shall not disclose the same to any other third party.

18. ASSIGNMENT

SRM-AP shall not transfer or assign any of their rights and obligations under this Agreement to any other third parties or legal entities without obtaining prior consent in writing from ARBL.

19. EXPENSES INCURRED

Each of the Parties shall be responsible for its costs and expenses incurred in connection with the negotiation or establishment of the collaboration and with the studies, discussions and negotiations, which are the subject of this MOU.

20. AMENDMENT

Any addition, deletion and / or alteration to this MOU agreement may be effected by writing by the Parties herein. A document containing the additions, deletions and/or alterations, and signed by all Parties hereto, shall form an annexure to and be deemed to be a part of this MOU.

21. PRIOR MEMORANDUM SUPERSEDED

This MOU and its Schedule constitute the entire understanding among the Parties and supersede all other representations, understandings or communication whether written or verbal, with respect to the subject matter hereof.

22. PUBLIC ANNOUNCEMENTS

During the term of this MOU, each party shall refrain, and shall cause its employees to refrain, from publicly announcing the existence, nature or status of the collaboration or any discussions relating thereto or advertising or news release unless otherwise agreed upon by the Parties, except to the extent such disclosure may be required by law.

SRM-AP needs to take a prior written approval from ARBL in order to use the Project test results for any scholarly research, teaching, and analysis within SRM-AP including the publication of student thesis and dissertation reports. SRM-AP shall not publish, or otherwise disclose in any publication or other public disclosure, the intellectual Property owned by ARBL or any confidential information belonging to ARBL without first providing ARBL the opportunity to perform a prior review and prior approval.

23. MISCELLANEOUS

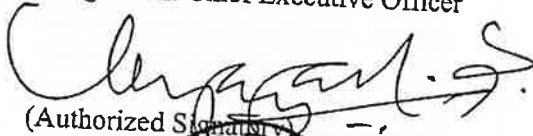
- 23.1 The provisions of this MOU are severable, and, if any provision, or any portion thereof, is deemed by a court or arbitrator of competent jurisdiction to be invalid, illegal, or unenforceable for any reason, the remaining provisions, or remaining portions thereof, shall remain valid and enforceable to the fullest extent permitted by law. The captions used in this MOU are for convenience only and shall not be deemed to have any relevance to the meaning of any of the provisions.
- 23.2 The provisions and any breach of this MOU shall not be waived, except expressly in writing signed by the waiving party. A waiver on one occasion or of one provision or breach shall not constitute a waiver on another occasion or of another provision or breach. Time is of the essence of this MOU.
- 23.3 Nothing in this Agreement shall constitute or be deemed to constitute any relationship of agency or partnership between the parties. No party has the authority to act on behalf of the other party, or to commit the other party in any manner at all or cause any other party's name to be used in any way not specifically authorized by this Agreement.

In witness thereof ARBL and SRM-AP hereto cause this MOU to be executed by their duly Authorized representative on the day, month and the year first above written.

Signed for and on behalf of
Amara Raja Batteries Limited
Karakambadi, Tirupati

Name: S Vijayanand

Designation: Chief Executive Officer



(Authorized Signatory)



Signed for and on behalf of
SRM University, Andhra Pradesh


Name: Prof. D. Narayana Rao

Designation: Pro-Vice Chancellor


(Authorized Signatory)




Witnesses

1) Signature 

Name ... Vyay. Naidu Golla

Address ... Amara Raja Group

2) Signature 

Name ... VENKATESHARLU.M

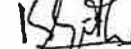
Address ... ACM, R.E.D. Labs Batteries
Amara Raja Batteries Ltd.

Witnesses

1) Signature 

Name ... D. Gunasekaran

Address ... Registrar SRM AP

2) Signature 

Name ... Sujith Kalluri

Address ... Asst. Professor, SRM-AP.

ANNEXURE – A

Project: Key Objectives and Deliverables

S.No	Key Objectives	Expected Deliverables
1.	New materials and new processes of electrodes for advanced lithium-ion batteries	a. To achieve energy density (ED) up to 350 Wh/kg b. Optimized 3D printing processes to improve the capacity, charge acceptance and cycle life
2.	Cost-effective or cobalt free cathode materials and Flammable Resistant (FR) electrolyte for lithium-ion battery	a. Fast charging capability of the battery for E-mobility applications (E-Car & E-Bus) and cost effective technology b. To improve the safety of the cell as compared to the Conventional Lithium-ion battery
3.	Alternative energy storage technologies (e.g.: Na-ion, Li-air, Li-S, etc.) including solid state batteries for emerging applications	a. Low cost battery as compared to present Conventional Lithium-ion battery b. To improve the energy density upto 400 Wh/kg with enhanced safety of the SSBs with respect to Conventional Lithium-ion battery c. To improve the energy density upto 500+ Wh/kg with respect to Conventional Lithium-ion battery d. Cost effective technologies as compared to Conventional Lithium-ion battery
4.	Develop innovative processes for recycling batteries	a. Available knowledge will be shared with ARBL at the appropriate point of time

ANNEXURE - B

AMARA RAJA CONTRIBUTION TO CENTRE

SRM - AMARARAJA CENTER FOR ENERGY STORAGE DEVICES

Phase	CONTRIBUTION	Release of funds (cash in kind)	No. of Items	Approx. Cost (Rs. in Lakhs)
PHASE-I	Recommended Equipment	2019-20	18	57.75
PHASE-II	Electrode Coating and Calibration Items	2020-21	4	105.00
TIME LINE AND NUMBER OF EQUIPMENTS AND RECOMMENDED BUDGET		2019-20 & 2020-21	22	162.75

ARBL will provide the critical chemicals and consumables for executing the proposed research work mentioned in Annexure - A.

The list of equipment mentioned in Annexure - B

S.No.	Equipment Name
1	Data Acquisition system (DAQ)
2	Thermocouple calibration unit (low range)
3	Thermocouple calibration unit (High range)
4	CMOS Camera (DSLR)
5	Planetary Ball Miller
6	Hydraulic Press, 40tonne
7	Vacuum Oven with motor pump
8	pH probes
9	Sieving Machine with sieve pans
10	Slurry Mixture
11	Electrode Coater
12	Electrode Puncher
13	Muffle furnace and fume hood
14	Coin-cell/pouch cell battery tester
15	Particle Size Analyzer
16	Tube Furnace
17	Glove box
18	Gas line Connection
19	Furnace tubes
20	Binder-jet 3D Printer
21	Drying oven
22	Vacuum desiccator cabinet

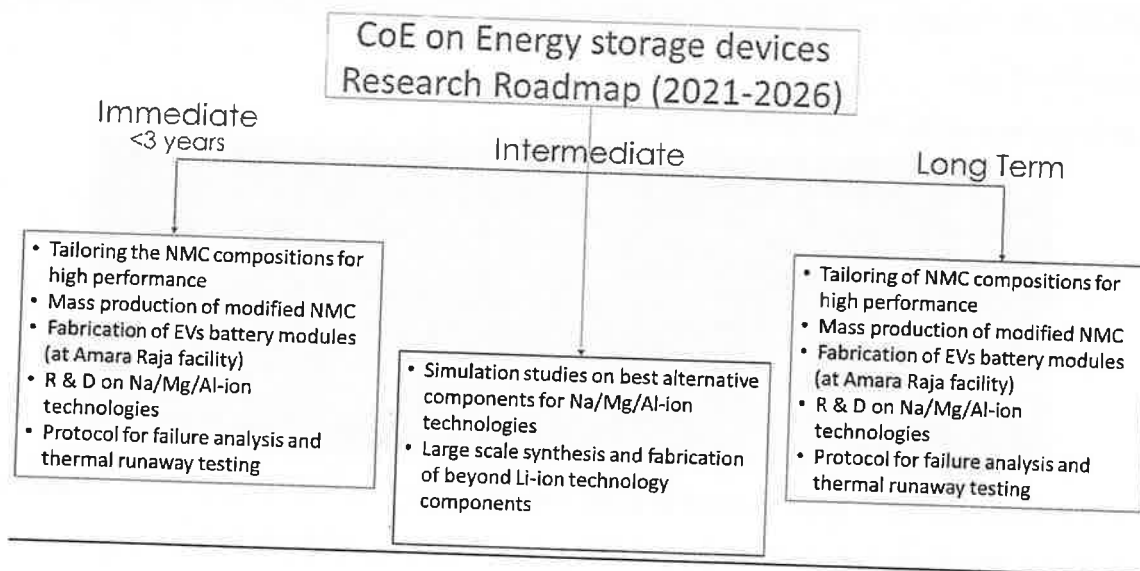
Progress Report - I

29 April 2022

The MoU between SRM University – AP and Amara Raja Batteries was signed on 20 February 2020 to establish a centre at SRM University, Andhra Pradesh, on Energy Storage Devices. As a part of Phase 1, the centre was established, and a couple of equipment was installed by November 2021. Ever since the centre started functioning, various research activities have been started to develop indigenous technologies. The progress report addresses the outcome of our research activities since the inception of the centre.

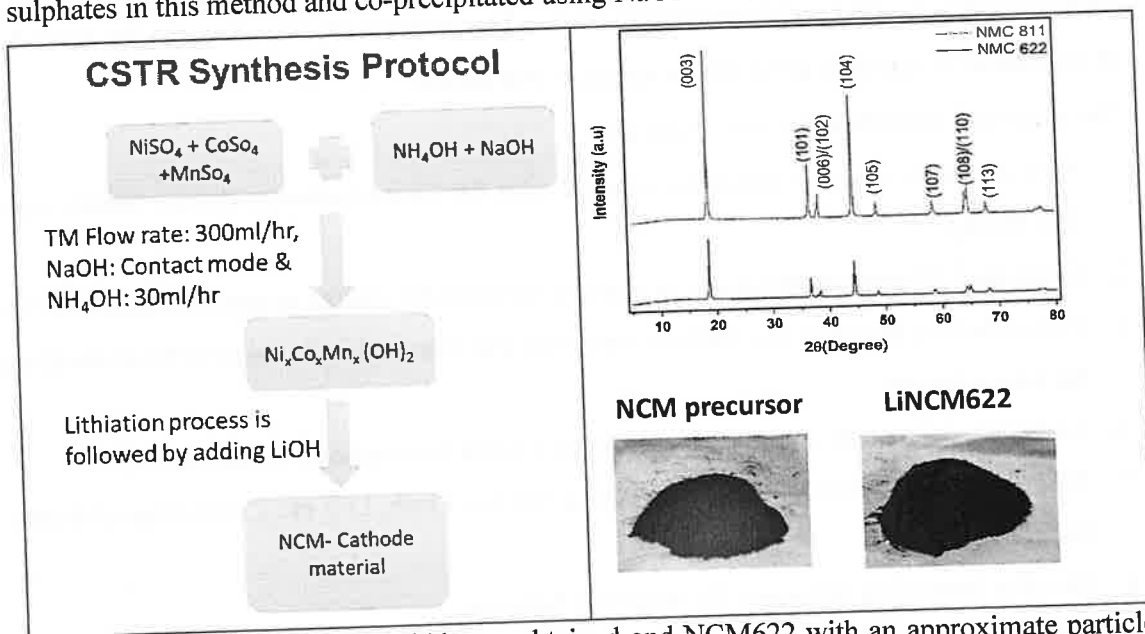
The proposed objectives for the Centre are,

1. New materials and new processes of electrodes for Li-ion batteries, energy density upto 350 Wh/kg
2. Optimised 3D printing processes to improve the capacity, charge acceptance and cycle life
3. Cost-effective or cobalt-free cathode materials and Flammable Resistant (FR) electrolytes for Li-ion battery
4. To improve the safety of the cell as compared to the Conventional Li-ion battery
5. Alternative energy storage technologies (e.g. Na-ion, Li-air, Li-S etc.), including solid-state batteries
6. Develop innovative processes for recycling batteries.



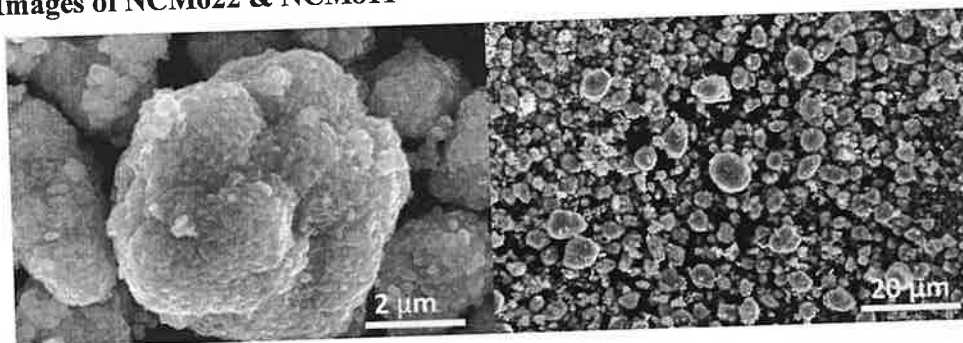
Objective 1: New materials and new processes of electrodes for Li-ion batteries, energy density upto 350 Wh/kg

Under this objective, we focused on making surface-engineered hallow structured cathode materials, $\text{LiNi}_{0.6}\text{Co}_{0.2}\text{Mn}_{0.2}\text{O}_2$ (NCM622), $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ (NCM811). The rocksalt compositions are formally called NCM. The method we used for bulk production was the Continuous Stirred Tank Reactor (CSTR method). The metal precursors were taken as sulphates in this method and co-precipitated using $\text{NaOH}/\text{NH}_4\text{OH}$.

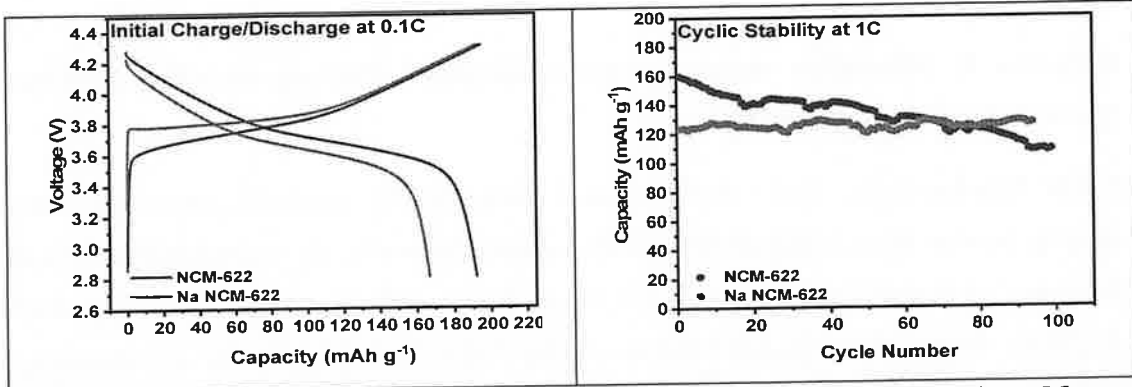


Phase pure NCM622 or NCM 811 was obtained and NCM622 with an approximate particle size of ~20 μm .

SEM Images of NCM622 & NCM811

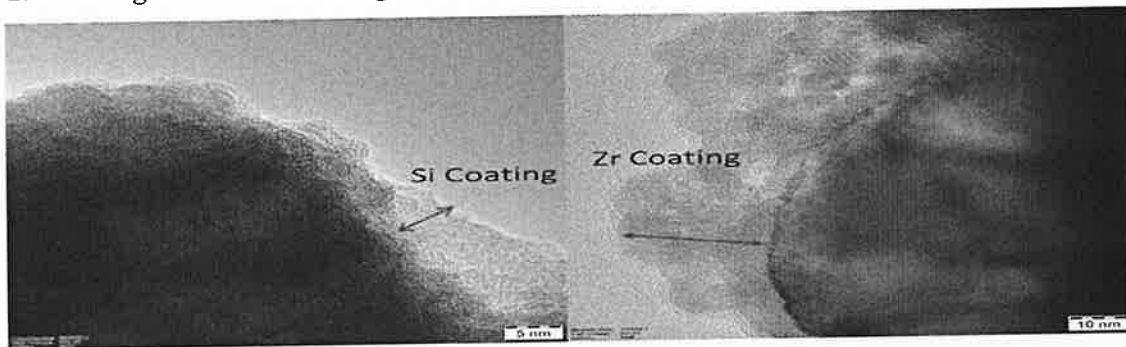


The primary particles agglomerated to form secondary particles of interest. The secondary particles formed are very uniform, with a spherical morphology of around 6 – 8 μm .



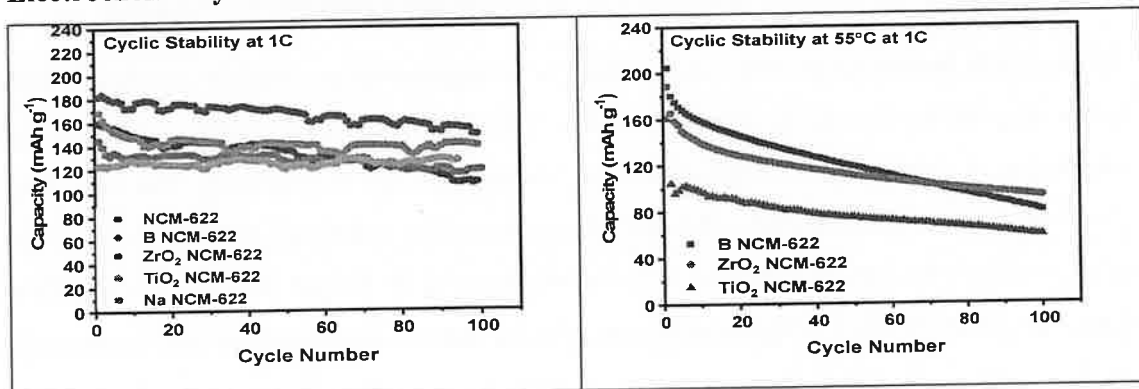
Electrochemical results of Na-doped NCM622 show less initial discharge capacity – *May not be suitable for long-term/fast charging applications*. Different coatings are performed to improve the performance of NCM622.

TEM Images for Si/Zr strategic coating on NCM622



The surface of secondary particles showed a clear coating of the elements. The EDAX confirmed the coating of the elementals near the particle surface.

Electrochemistry of coated NCM 622



ZrO₂ coating on NCM622 has shown superior electrochemical performance than the other coatings. By protecting the surface of the NCM622 from surface-side reactions, ZrO₂ has increased the cyclic stability and rate capability of NCM622 even at elevated temperatures.

Objective 2: Alternative energy storage technologies (Na-ion), including solid-state batteries for emerging applications

Li-ion batteries (LIBs) find various portable electronic and industrial device applications ranging from mobiles, laptops to the electric vehicles. However, the limited source of Li and its high cost demands an alternative technology based on the low cost, safe, and abundant materials. Among them, Na-ion batteries (NIBs) find substantial scientific and commercial attentions due to the availability of cost-effective and safe Na-based materials offering good thermal and electrochemical stabilities upon charge/discharge cycles [LN Patro et al, Solid State Ionics, 366-367 (2021) 115671]. The primary goal of our group is towards the development of Na-ion batteries from the synthesis of electrode and electrolyte materials to the fabrication of the cells.

The major challenges associated with the present generation of LIBs is towards the improvement of their safety for large-scale applications. Various safety issues such as leakage, flammability, limited temperature range of operation, and so forth could be resolved by designing an all-solid-state battery where the liquid electrolyte in the conventional battery will be substituted with a solid electrolyte. The second goal of our research group is towards the development of Li-ion conducting solid electrolytes for the realization of much safer all-solid-state LIBs.

A. Na-ion batteries

- **Na₃Zr₂Si₂PO₁₂-based solid electrolytes for all-solid-state Na-ion batteries**

Electrolyte in the battery provides the medium for the transportation of ions from one electrode to the other during the charge-discharge cycles. NASICON type Na₃Zr₂Si₂PO₁₂ (NZSP) solid electrolyte is synthesized through solid-state reaction and sol-gel methods. The impedance measurements show that NZSP solid electrolyte prepared by solid-state reaction shows higher ionic conductivity compared to that of the same prepared by sol-gel [LN Patro et al, Mater. Lett. 301 (2021) 30267]. NZSP synthesized by solid-state reaction exhibits ionic conductivity close to $\sim 0.66 \text{ mS cm}^{-1}$ at room temperature (RT). An attempt is made to alter the transport results of NZSP by the addition of excess Na and changing the stoichiometries of other elements present in NZSP using different Na-precursors; Na₂CO₃-NC, Na₃PO₄.12H₂O-NP, NaF-NF, and Na₂SiO₃-NS as an excess Na-source. Among them, Na-excess NZSP material,

NC sintered at 1200 °C shows the best ionic conductivity results. The observation of NC with good ionic conductivity value ($\geq 1.3 \text{ mS cm}^{-1}$), ionic transport number close to unity and wide electrochemical stability window (up to 5.2 V) indicates its potential to be used as a promising solid electrolyte for all-solid-state Na-ion batteries [LN Patro, *J Mater. Sci.* 58 (2023) 2222–2233].

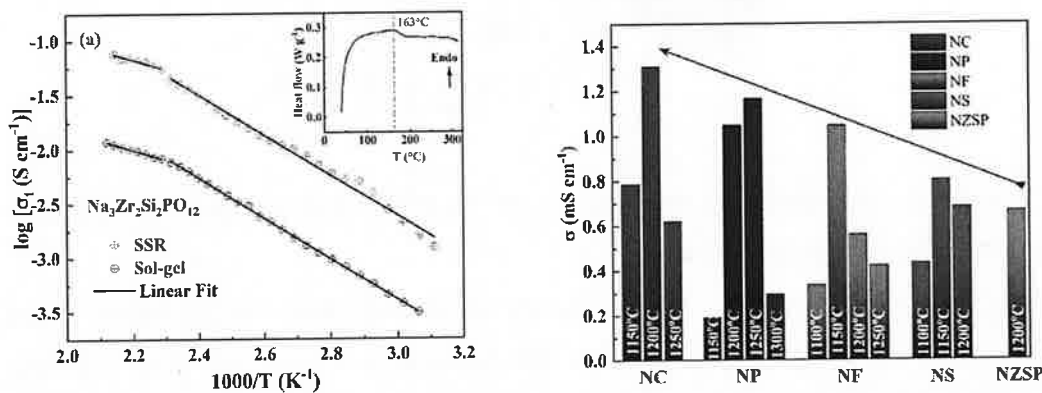


Fig. 1(a) Temperature dependent conductivity of NZSP prepared by solid state reaction (SSR) and sol-gel. **(b)** Ionic conductivity (RT) exhibited by Na-excess NZSP materials at different sintering temperatures.

- **Na₃V₂(PO₄)₃/C-based cathode materials for Na-ion batteries**

The cathode in a battery is the source of mobile ions, determining its specific capacity, cyclability and specific energy. Bare NVP/C and Fe-/Mn-doped NVP/C materials are successfully prepared by the sol-gel method. Enhanced rate performance and cyclic stability are observed by the cells with the Fe-/Mn-doped samples, NVFP/C (Na₃V_{1.8}Fe_{0.2}(PO₄)₃/C) and NVMP/C (Na₃V_{1.8}Mn_{0.2}(PO₄)₃/C), in comparison to the cell with bare NVP/C. Although both the doped systems observe similar rate performance, the NVMP/C sample shows enhanced cycling stability, delivering a higher discharge capacity of 86 mA h g⁻¹ even after 100 cycles at 1C with a capacity retention of 90%. A Na-ion full cell is fabricated with NVMP/C as the cathode and pre-sodiated hard carbon as the anode. The cell shows the first discharge capacity of 90 mA h g⁻¹, with an energy density close to 210 Wh kg⁻¹. The electrochemical studies on both the half and full cells using the NVMP/C electrode show its feasibility to be used as a potential cathode material for the low-cost and next-generation rechargeable Na-ion batteries [LN Patro et al, *ACS omega* 7 (2022) 48192-48201]

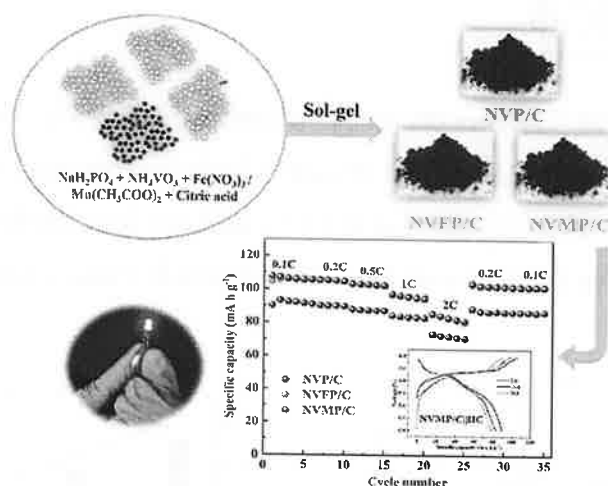


Fig. 2. Enhanced electrochemical performance of $\text{Na}_3\text{V}_2(\text{PO}_4)_3/\text{C}$ cathode material upon doping with Mn/Fe for Na-ion batteries.

Furthermore, an attempt is made to demonstrate an all-solid-state Na ion battery using NVMP/C as cathode, NC as solid electrolyte and Na metal as anode. An initial discharge capacity of 85 mA h g^{-1} based on the active mass of cathode material is observed at 0.1C. The present studies show that a moderate replacement of the high-cost, scarce and toxic element, V, with the low-cost and environmentally safe elements Fe/Mn in the NVP/C structure not only reduces the cost of the material but also enhances its electrochemical performance.

- **Biomass derived hard carbon anode materials for Na-ion batteries**

Anode in a battery is crucial which is known to control its C-rates and coulombic efficiency. On anode side, hard carbon (SNS) is prepared from the naturally available, low-cost biomass waste soap-nut seeds relatively at lower pyrolysis temperature of 800°C . To further enhance the electrochemical performance of the hard carbon, heteroatoms, N are introduced to alter its surface area using melamine as the source of N. The N-doped SNS electrodes exhibit good electrochemical performances in comparison to the bare one. The electrochemical studies conclude that the doping of optimal amount of N into the hard carbon matrix shows an enhancement in capacity. SNS-1 electrode (SNS and melamine in the 1:1 weight ratio) shows a lower surface area with large interlayer spacing resulting in a high reversible capacity of 353 mA h g^{-1} at a current density of 25 mA g^{-1} . However, SNS-0.5 electrode shows relatively higher reversible capacities at higher current densities [LN Patro, J. Alloys Compd. 968 (2023) 171917]. At the end, a full cell comprising of SNS-1 anode with NVMP/C cathode delivering a reversible capacity of 55.4 mA h g^{-1} is demonstrated. The present studies show that the low-

cost, biomass-waste precursor soap-nut seeds could be converted into an efficient and safe anode material for potential applications in Na-ion batteries.

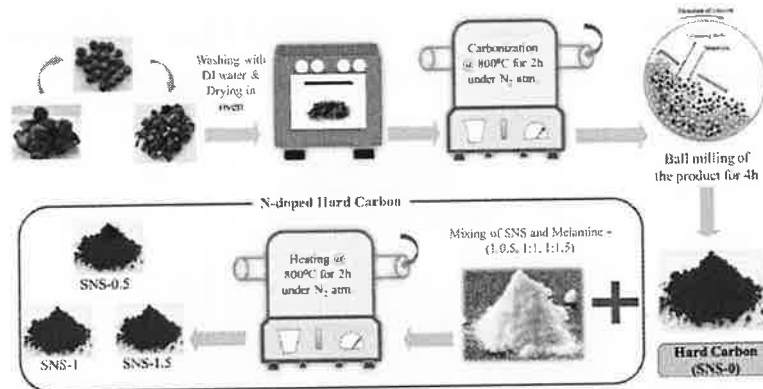


Fig. 3. Development of hard carbon from soap-nut seeds using pyrolysis.

B. Development of NASICON-type $\text{LiZr}_2(\text{PO}_4)_3$ solid electrolyte for all-solid-state Li-ion batteries

$\text{LiZr}_2(\text{PO}_4)_3$ (LZP) crystallizing in rhombohedral structure is synthesized at RT using the modified sol-gel method at a lower sintering temperature ($< 1100^\circ\text{C}$). The bulk conductivity is found to increase with an increase in the sintering temperatures from 800°C to 1100°C , whereas the LZP pellet sintered at 900°C exhibited the highest total ionic conductivity. The ionic transport number measurement confirmed that LZP is an ionic conductor and furthermore its electrochemical stability is up to 5.1 V as confirmed by both cyclic voltammetry and linear sweep voltammetry measurements using Li/LZP/Au cells [LN Patro et al, Surfaces and interfaces 41 (2023) 103212].

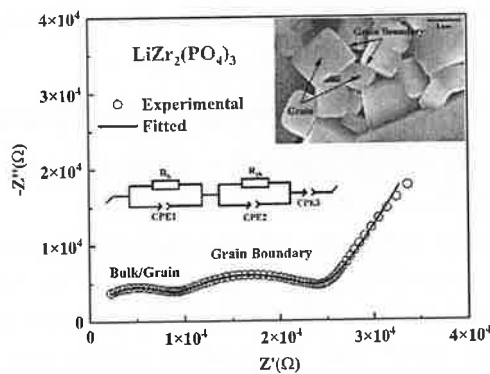
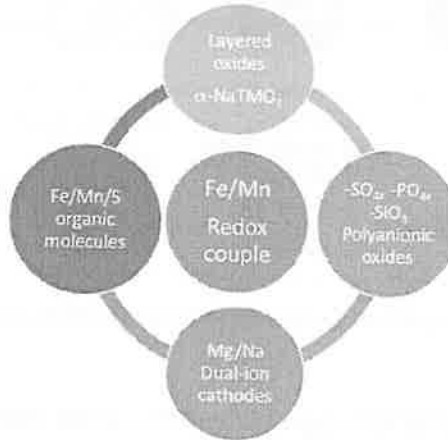


Fig. 4. Complex impedance plot of LZP showing grain and grain boundary conductions.

Objective 3: Development of Low-cost cathode materials for Li-ion and Beyond Li-ion

The development of cost-effective battery cathodes is the key to the survival of India's electric vehicle market. Thus, the project focuses on the NextGen battery technologies based on high abundance metal oxides viz., Fe/Mn/Na/P/S (Indigenous materials).



Strategies

1. Focus on Fe/Mn-based oxides due to high abundance in India.
2. Enhance the fast charging capabilities.
3. Network solids-based cathodes for Na-ion batteries as an alternative to LIBs.
4. An environmentally friendly hetero-atom-containing organic cathode

Future Work

1. One kilogram scale synthesis of Zr-622 using CSTR, rate studies, and single crystalline studies will be carried out to enable fast lithium intercalation.
2. Fine-tune the synthesis procedure for NCM811, focusing on grain growth, morphology, cyclic stability and carbon coating.
3. Currently, the NCM622 synthesis methodology is frozen and ready for industry testing.

Objective 4: SRM AMAR RAJA CENTRE FOR ENERGY STORAGE DEVICES (CESD), SRM UNIVERSITY-AP, ANDHRA PRADESH

Objective: To experimentally investigate and test the Lithium-ion Battery (LIB) batteries for "Thermal Runaway (TR)" conditions as per requirements of the battery application which are in line with the international regulations. To ensure safe operation of Lithium-ion Battery (LIB) batteries and battery packs under high temperature environments. To improve safety and performance of batteries

Work done:

Inline with the objective mentioned for the CESD for single cell Li-ion batteries (LIB) the following experiments were conducted. Experimental work was carried out for Thermal Runaway (TR) testing for a Li-ion cell commercially available NCR18650 with 100% State of Charge (SOC) fully charged condition. An external heater element was built with proper circuitry to provide external heating on single cell battery surface. Calibrated thermocouples were mounted on the wall of the LIB cell to record temperature in connection with a Data Acquisition (DAQ) system. The schematic of the experimental set up for the single cell testing is shown in Figure 1.

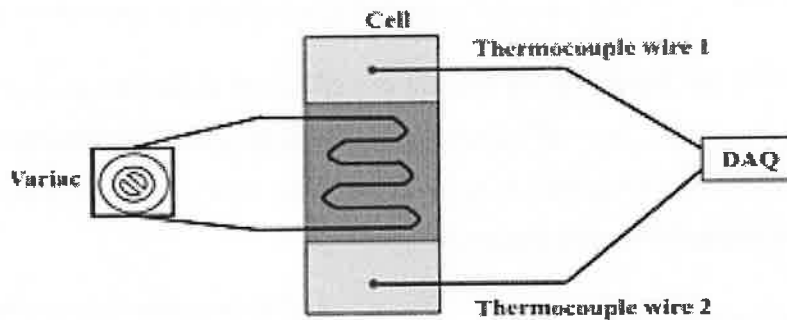


Figure 1: Schematic of the experimental set up for the single cell TR testing

Results: The single cell LIB tests for Thermal Runaway destructive testing were carried out where in a LIB with 100% SOC is subjected to external heat load on outer wall and observe the different stages of behavior. The different intensity levels of hazards specified by international regulations such as EUCAR were observed during this test and we have visually captured the intensity levels such as Minor leakage or venting (level of hazard 3); Major leakage or venting (level of hazard 4); Fire or flame (level of hazard 5); Battery Rupture (level of hazard 6); Explosion (level of hazard 7). The different levels of intensity of hazards are shown in Table 1 which are specified by European Council for Automotive Research and Development (EUCAR).

Table 1: Levels of hazards in battery operation

Description	Effect	Level of hazard
No effect	No loss of functionality	0
Passive protection activated	Cell reversibly damaged. (Repair needed)	1
Defect	No leakage. Cell irreversibly damaged	2
Minor leakage or venting	Weight loss < 50% of electrolyte weight	3
Major leakage or venting	No fire or flame. Weight loss \geq 50% electrolyte	4
Fire or flame	No explosion, but fire/combustion	5
Battery Rupture	No explosion, but internal parts expelled	6
Explosion	Explosion (disintegration)	7

Figure 2 (a) shows the battery set up venting out and 2 (b) shows the plot of temperatures recorded in the entire test. Two calibrated thermocouple sensors in combination with a DAQ were used to record the variations in temperature with time and as expected the peak in temperature is seen just before the explosion.

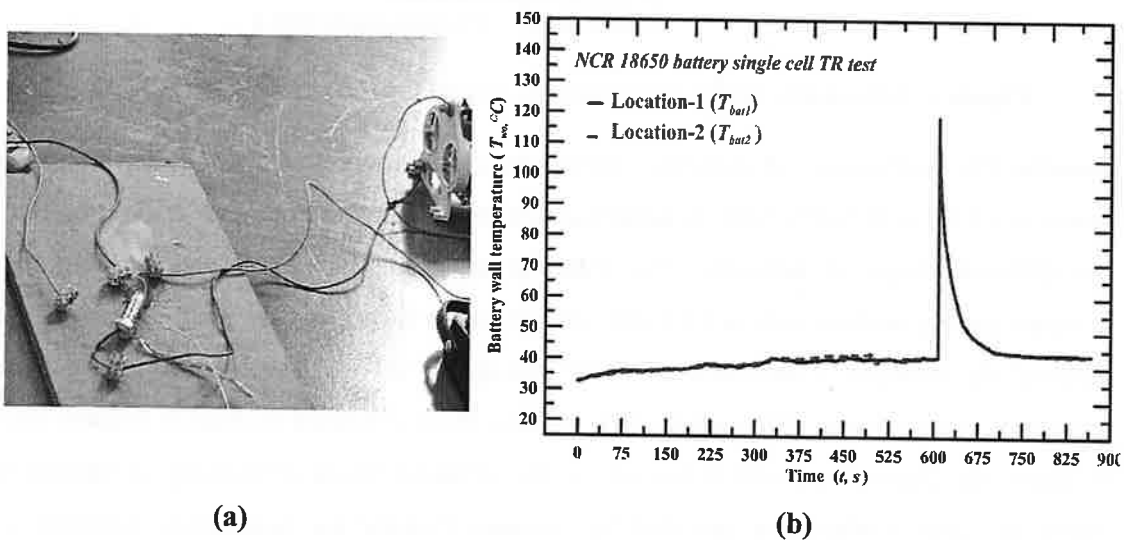


Figure 2 (a) Snapshot the experimental test set up with battery venting out (b) Temperature variation with time during tests of the single LIB cell under test

Conclusions: The test for single cell LIB under external heat load were successfully conducted to which reached to Level 5 of the hazard level.

Outreach activities conducted

Event 1: We have conducted a school outreach activity jointly with Centre and SRM-AP on 14 April 2021. Around 100 students attended the event, and the school children were excited to know how the battery is made and its functionality.

Event 2: Amara Raja Skill Development Centre and SRM Amara Raja Center for Energy Storage Devices conducted a skill development webinar jointly. Close to 250 students attended online and clarified their questions.

   <p>SRM - Amara Raja Center for Energy Storage Devices, Department of Electronics and Communication Engineering and NSS Cell-SRM AP Jointly Organize</p> <p>A hands-on session on Lithium-ion Battery: Assembly and Testing</p> <p>Date Time Thursday, April 14, 2022 9:00 am - 1:00 pm</p>	<p>OUTREACH PROGRAM</p>  <p>SRM - Amara Raja Center for Energy Storage Devices organizes a talk on</p> <p>Industrial Skills for Core Placements: Trends and Opportunities</p> <p>Inaugural address by  Prof D Hanayappa Babu Pro-Adm-Chancellor, SRM University-AP</p> <p>Guest Speaker  Mr K V Ravi Kumar Dean, Amara Raja Skill Development Centre</p> <p>Thursday, July 22, 2021 4 PM IST</p>
	

Attendees

The first joint review meeting was held at Amara Raja Batteries Ltd. (ARBL) Tirupati on 29 April 2022. Prof. D. Narayana Rao, Pro Vice-Chancellor and faculty members Dr. Sujith Kalluri, Dr. Pardha Saradhi, Dr. Laxminarayana Patro, Dr. Surfaraz Halkarni, Dr. Tousif Khan and Dr. Jasvinder Singh from SRM University – AP and Sri S. Vijayanand, President of New Energy, Sri Jagadish, VP & Head Technology, Venkateswarulu, Head Li-ion R&D and Dr. Ebenezer, GM, Dr. Vasudevarao, DGM from ARBL participated in the meeting. Faculty members from SRM-AP have presented the most promising results on the industrial-scale production of battery cathode materials, NCM/LFP. The industry partner Amara Raja Batteries Ltd. Has agreed to perform industrial trials. Very few companies in India produce NCM and LFP-based materials, and developing indigenous production technology for NCM/LFP compositions could be a viable option for import substitutes and thus contribute to **Atma Nirbhar** Bharat. Another key discussion on both sides was on thermal management of battery packs as it is a burning problem in India due to several scary fire incidents. Scientists from both sides agreed to develop a novel immersion cooling technology that inhibits the propagation of thermal runaways within battery packs and could prevent fire accidents.

SRM AP - Amara Raja Center for Energy Storage Devices
(Progress report: 14th July 2023)

1. Background of creating the Centre

The Centre is created with a Vision and Mission of developing indigenous battery technology for Li-ion cell production. SRM AP and ARBL jointly supported to the establishment of the center at SRMAP. ARBL agreed to support the necessary equipment costing Rs. 1.67 crores in two phases. SRM AP agreed to support with 2000 sq feet of space, manpower and consumables for about five years, i.e., year 2020 - 2025.

Vision

Transform electrochemistry to energy storage with disruptive new materials created with an intention to go all-electric using 100% developed in-house battery technology.

Mission

Committed to delivering transformational new concepts and materials for electrodes, electrolytes and interfaces that will enable a high-performance of next-generation batteries for transportation and the grid

2. Is the COE discipline specific or inter-disciplinary

Our team comprises faculty from disciplines such as Chemistry, Physics, Material Science, Mechanical and Electronics Engg.

3. Objectives and scope of the Centre

- New materials and new processes of electrodes for advanced Li-ion batteries
 - To achieve energy density upto 350 Wh/kg
 - Optimised 3D printing processes to improve the capacity, charge acceptance and cycle life
- Cost-effective or cobalt-free cathode materials and Flammable Resistant (FR) electrolytes for Li-ion battery
 - Fast charging capability of the battery for E-mobility applications (E-Car & E-Bus) and cost-effective technology
 - To improve the safety of the cell as compared to the Conventional Li-ion battery
- Alternative energy storage technologies (e.g. Na-ion, Li-air, Li-S etc.), including solid-state batteries for emerging applications
 - Low-cost battery as compared to present conventional Li-ion battery
 - To improve the energy density upto 400 Wh/kg with the enhanced safety of the SSBs with respect to conventional Li-ion battery
 - To improve the energy density upto 500 Wh/kg with the enhanced safety of the SSBs with respect to conventional Li-ion battery
- Develop innovative processes for recycling batteries

4. Work elements

5. Collaborations with industry or other organisations and their roles

- i. Amara Raja Batteries Ltd. currently supports the equipment, with approximately Rs. 72 lakhs of equipment installed.
- ii. A rotating tube furnace, 3D printer and other small equipment are in phase 2

6. Duration of the project along with a Time-Activity Chart

TASK		2023		2024				2025			
		Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
A	Immersion cooled battery pack (prototype)										
B	Industrial Scale Synthesis of LFP										
C	1. Cost-effective solid electrolytes for Li and Na-ion batteries 2. Composite-polymer electrolytes to reduce the interfacial impedance 3. Deep investigation on Na-ion and Li-ion full cells										
D	Thermal Runaway Test and Calorimetry Studies										
E	Ni, Co-free Electrode Materials										
F	Development of Fault Detection and cell level isolation methodology in single cell and battery packs with relevant indicators										
G	Recycling of critical metals										

7. Deliverables in the form of Proof of concept, software, patents, prototypes, products and technology transfers.

- Synthesis protocol for industrial-scale synthesis of LFP and NMC
- Electrolytes for Solid State Na/Li-ion batteries
- Bulk synthesis of Na-ion battery cathodes – development of synthesis protocol
- SOP for the safe operation of the battery pack – Simulation vs experimental – Thermal management
- Dashboard design with safety voltage/current sensors for monitoring battery pack health and longevity
- Large-scale recycling method development to recover critical metals from spent LIBs

8. Outputs in the form of publications and submission of grant proposals from other sources

(a) Publications - 12

- perspective—Challenges and Benchmarking in Scale-Up of Ni-Rich Cathodes for Sodium-Ion Batteries, **Journal of The Electrochemical Society**, 2022, **169** 070536
- Equivalent Circuit Model Parameters Estimation of Lithium-Ion Batteries Using Cuckoo Search Algorithm, **Journal of The Electrochemical Society**, 2022, **169** 120503
- Critical Perspective on the Industry-centred Engineering of Single-Crystalline Ni-rich Cathodes, **Chemnanomat**, 2023
- Lithium-Ion Battery Model Parameters Estimation Using Equivalent Circuit Model for E-mobility Applications, **ECS Transactions**, 2022, **107**, 7485

(b) Patents - 2

- Pankaj Pathak, Pardha Saradhi M, Sujith Kalluri (2023), "A method for recovery of Lithium-ion (Li-ion) batteries", Application No. 202241072287
- Tousif Khan Nizami, Pendem Manoj Sai, Bollu Puja Manohari, Gorrepati Nithin Sai and Papineni Gopi Krishna, "AN APPARATUS FOR FAST-CHARGING A BATTERY", Indian Patent Application Number: 202241046527

(c) Projects – 01

DST TDP: Cradle-to-Cradle Industries Process Development for Green Recycling of Critical Metals from Spent Li-ion Batteries using Hydro-metallurgical Technique.

PI: Dr. Pankaj Pathak

Co-PI: Dr. Pardha Saradhi

Outlay: ~ 55 lakhs (sanction letter not received)

9. Coordinator of the Centre (Lead member)

Dr. Maram Pardha Saradhi

Associate Professor, Dept. of Chemistry

SRM University – AP.

10. Core team members of the Centre

Team member	Department	Expertise
Dr. Pardha Saradhi Maram	Chemistry	Li-ion batteries,
Dr. Lakshmi Narayana Patro	Physics	Na-ion and Solid-state batteries.
Dr. Tousif Khan	EEE	Electronic control systems
Dr. Surfarazhussain Halkarni	Mechanical	Thermal runaway testing
Dr. Pankaj Pathak	EVS	Recycling of batteries
Dr. Arghya Chakravarty (New member)	EEE	Power converters design & control for renewable energy applications

11. Next 3 Years plan including scope for revenue generation.

The research plan for the next three years is discussed in section 6 and section 12(b).

Revenue generation

1. For the year 2022-2023, ARBL agreed to support 10% of the DST-TDP sanctioned grant towards research fund, approximately Rs. 6,00,000/-
2. Would like to conduct an industrial hands-on workshop, “**Advances in materials and battery technology for electric vehicles**”
3. **Consultancy:** Making an MoU between FISCAP INDIA Pvt. Ltd, Ghaziabad, UP and SRM – Amara Raja Center for about a year: Rs. 2,00,000/-
4. **Consultancy:** Ants Ceramics & Ants Innovation Pvt. Ltd. I am still discussing, expecting Rs. 1,00,000 annually.
5. **Consultancy:** Neolithic System Pvt. Ltd. In discussion for a possible collaboration and the Co-founder may visit our Center on 17th July 2023. (Farad Power, Sunnyvale, USA)
6. In discussion with team members to start a diploma program on **Introduction to Battery Technology for Electric Vehicles and Stationary storage**

12. Budget allocated and budget required, including source of budget Sanctioned

(a) So far, sanctioned

Consumable supported by SRMAP	
2021-2022	2.49 lakhs
2022-2023	4.0 lakhs
Total	6.49 lakhs

(b) Budget required (the year 2023 – 2026)

SN	Research objective	2023-2024	2024-2025	2025-2026
1	Industrial scale synthesis of LFP and NMC	3.0	1.5	1.5
2	Prototype development of immersion-cooled battery pack	3.0	-	-
3	Development of Cost-effective solid as well as composite-polymer electrolytes for Li and Na-ion batteries Synthesis of industrial-scale cathode materials for Na-ion batteries	3.0	2.0	2.0
4	Metal recycling and recovery from spent batteries	3.0	2.0	2.0
5	Designing a dashboard with various current/voltage/temperature sensors used to track the battery health	2.0	1.5	1.0
6	Drafting protocols and SOP safe battery pack operation (Thermal management). It provides safe operation limits (temperature) for the batteries	2.0	2.0	2.0
7	Instrument maintenance	1.0	1.5	2.0
	Total (Lakhs)	17	10.5	10.5

13. List of equipment installed at the Center and list to be supplied by Amara Raja Batteries Ltd.

SN	Equipment	Installation Date
1	Slurry mixture	17/9/2021
2	Planetary ball mill machine	28/9/2021
3	Compact film coating machine	11/11/2021
4	Manual hydraulic press machine	11/11/2021
5	Vacuum dry oven	11/11/2021
6	Glove box	11/11/2021
7	Battery testing system	11/11/2021
8	Muffle Furnace	11/11/2021
9	Disc cutting machine	18/8/2021
10	Fume hood	18/8/2021
11	Data acquisition system	20/8/2021
12	Drying oven	25/7/2021

13	Thermocouple calibration unit – Low range	18/11/2021
14	Thermocouple calibration unit – high range	18/11/2021
15	Particle size analyser	25/11/2021
16	SIEVE SHAKER	10/1/2022

List of Pending equipment from Amara Raja as per MoU

SN	Equipment
1	CMOS Camera (DSLR)
2	pH probes
3	Tube furnace
4	Gas line connection
5	Furnace tubes
6	Binder-jet 3D printer
7	Vacuum desiccator cabinet

KPIT | SPARKLE

Memorandum of Understanding

Associate Partnership with KPIT
Sparkle platform

● **██████**

KPIT Technologies Ltd.

Memorandum of Understanding ("MoU")

between

KPIT Technologies Ltd (KPIT)

And

SRM University, AP - Amaravati

Background

KPIT Sparkle is an innovation platform started by KPIT Technologies Ltd. that aims at fostering a culture of innovation and critical thinking among students across colleges in India.

The theme for KPIT Sparkle India event revolves around "Mobility and Energy for the future".

The platform is open to students from Science, Engineering, Management and Design from various colleges across India to participate in the contests under the platform, submit their innovative ideas related to the theme and the top shortlisted teams present their innovative and sustainable solutions through working prototypes at the Grand Finale. KPIT also intends to provide opportunity for students with promising ideas to work with various incubation centers across the country, to convert their idea into a viable product. The Platform has two contests "**I-Innovate**" and "**I-can Crack IT**".

SRM University, AP - Amaravati has shown interest to be one of the Associate Partners for KPIT Sparkle 2020. Both the parties agree on the below terms and conditions for the event.

1) Purpose

The purpose of this Memorandum of Understanding ("MoU") is to define the terms and conditions for having

SRM University, AP - Amaravati (henceforth mentioned in the remainder of this document as "Associate Partner") as an "Associate Partner" for the KPIT Sparkle 2020 India event.

The document contains covenants pertaining to KPIT Sparkle 2020, and the Associate Partner's association with KPIT Technologies Ltd.

2) Terms and Conditions

Information mentioned in this section covers the benefits and responsibilities of Associate partners towards KPIT Sparkle 2020.

1. **Faculty Internship:** Internship at KPIT office for two faculty for a duration of two (2) weeks. There would be extensive learning and hands on experience on current KPIT projects. Access to KPITs "Edu Online" self-learning platform for Automotive Technology Courses. Faculty would be provided with Program Completion certificates. Administrative and logistics details for this program shall be covered in a separate document.
2. **Exclusive Elevate to Success Program:** This is provided on campus to students of Associate partner Institute, this session focuses on reprogramming the Subconscious mind to achieve success. This shall help students prepare and have confidence for various interactions with Industry during and after their graduation.
3. **Brand Visibility:** KPIT shall provide brand visibility to the "Associate Partner" at a national level via KPIT Sparkle social media channels throughout the term hereon and during the KPIT Sparkle India 2020 event.
4. **Guidance and idea submission, mentorship for registered students:** KPIT shall provide on premise/ WebEx sessions for registered students from the Associate Partner covering the basics of innovation and the do's & don'ts for idea submission for KPIT Sparkle 2020. This shall enable students to submit innovative ideas.
5. **KPIT "Academia Industry Connect Program":** KPIT Sparkle shall provide opportunity to two faculty and Five students who can visit the KPIT Sparkle finale, during which they will be provided with an opportunity to have an industry visit with various knowledge sessions at KPIT.
6. **On ground/ digital promotion of KPIT Sparkle:** "Associate Partner" shall maximize participation of its students in KPIT Sparkle 2020. "Associate Partner" shall also help promote KPIT Sparkle 2020 via

on ground promotion / digital promotion to other academic institutes.

7. **Liaising Fee:** The liaising fee for Associate Partnership for KPIT Sparkle 2020 is Rupees 2 Lacs plus applicable taxes, and the partnering institute agrees to pay the same to get associated with **KPIT Sparkle 2020** in the capacity of "Associate Partner".
8. The "Associate Partner" shall pay the partnership liaising fee within one (1) month of execution of this "MoU".

3) Timelines

The validity of the document is for the duration of KPIT Sparkle 2020 event. (As highlighted on sparkle.kpit.com)

4) Confidentiality

Neither party shall divulge any information whatsoever that may be obtained during the engagement purported to be started pursuant to this MoU, otherwise than in pursuance of a written approval from the other party.

5) Termination

This MoU may be terminated by either party by serving a thirty (30) day notice. KPIT shall return the liaising fee to the Associate partner on pro-rata basis depending on timing of the termination of MoU

6) Liability

In no event shall either party be liable for consequential, special, direct, indirect, incidental, punitive or exemplary damages, costs, expenses or losses (including, without limitation, lost profits and opportunity costs), nor shall they be liable for any claim or demand by any third party.

7) Non-Binding Effect

Except Sub-Clause 7 of Clause 2 "Terms and Conditions" under this MoU, rest of the clauses shall be non-binding upon the parties to this MoU.

8) Cost

Except as agreed to in this MoU each party shall bear its own cost for the "purpose" of this MoU.

9) Governing Law

This MoU shall be governed by the Laws of India and any dispute arising out of this MoU shall be submitted to the exclusive jurisdiction of the courts of Pune.

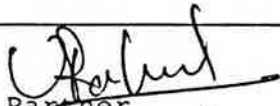
Authorized Signatories

For KPIT Technologies Ltd

Name: Rahul Uplap

Designation: Associate Vice President, CTO

Signature _____



For Associate Partner

Name:

Designation:

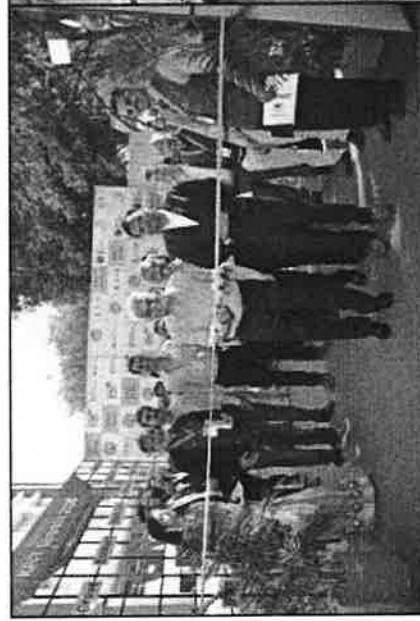
Signature: _____



THE REGISTRAR.
DR. D. GUNASEKARAN.



Glimpses of KPIT Sparkle 2020




Event report format for Seminar / Workshops/Conferences/ Technical & Non - Technical Events

Title of the Event:	KPIT Sparkle				
Nature of the Event:	Learning cum contest program				
Date:	10-09-2019				
Time:					
Host:	Directorate			Corporate Relations and Career Services	
Location:	Virtual - Infosys				
Number of attendees:	External *	Faculty	Ph D Scholar	PG	UG
					6
Event Organiser Contact info:	CR & CS				
Subject Area:					
Resource Person / Chief Guest:	KPIT Sparkle				
Resource person profile: (in 50 - 100 words)	<p>KPIT Sparkle is an innovation platform started by KPIT Technologies Ltd. that aims at fostering a culture of innovation and critical thinking among students across colleges in India.</p> <p>The theme for KPIT Sparkle India event revolves around " Mobility and Energy for the future". The platform is open to students from Science, Engineering, Management and Design from various colleges across India to participate in the contests under the platform, submit their innovative ideas related to the theme and the top shortlisted teams present their innovative and sustainable solutions through working prototypes at the Grand Finale. KPIT also intends to provide opportunity for students with promising ideas to work with various incubation centers across the country,</p>				

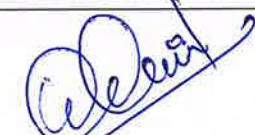
	<p>to convert their idea into a viable product. The Platform has two contests “I-Innovate” and “I-can Crack IT”.</p>
<p>Objective of the event: (in 100 words)</p>	<p>KPIT Technologies, an Indian multinational corporation that provides technology solutions and services. The objective of the KPIT Sparkle event is to encourage and recognize innovative ideas and projects in the fields of energy, mobility, and the environment.</p> <p>The competition typically invites students, professionals, and innovators to submit their projects and solutions that address challenges or bring about advancements in the specified domains. The focus areas often include electric vehicles, clean energy, sustainable transportation, and related technologies. Participants showcase their innovative projects and compete for recognition, awards, and the opportunity to further develop and implement their ideas with the support of KPIT Technologies.</p>
<p>Outcome of the event: (in 100-150 words)</p>	<p>The outcomes of the KPIT Sparkle event typically include several benefits for participants and winners. These outcomes may vary from year to year, but they generally include:</p> <p>Recognition: Participants have the opportunity to showcase their innovative projects and ideas, gaining recognition from industry experts, professionals, and the public.</p> <p>Awards and Prizes: Winners and outstanding participants often receive awards, prizes, and sometimes financial support to further develop and implement their projects.</p> <p>Networking Opportunities: The event provides a platform for participants to network with professionals, mentors, and potential collaborators in the industry.</p> <p>Industry Exposure: The competition can act as a launchpad for participants to gain exposure to the industry, potentially attracting the attention of investors, companies, and other stakeholders.</p> <p>Support for Implementation: In some cases, KPIT Technologies may offer support, mentorship, or resources to help participants turn their innovative ideas into real-world solutions.</p> <p>Learning and Skill Development: Participants gain valuable experience, skills, and knowledge through the process of preparing and presenting their projects, contributing to their personal and professional development.</p>

Event Flyer/brochur	-
Attendance Sheet:	NA
<p>Recommended actions (If Any): (in 100 - 150 words)</p>	<p>Thorough Research: Understand the focus areas and themes of the competition, such as energy, mobility, and environmental sustainability. Research current trends, challenges, and innovations in these fields to ensure your project is relevant and addresses real-world problems.</p> <p>Clear Problem Statement: Clearly articulate the problem your project aims to solve or the opportunity it addresses. Define the problem statement concisely and convincingly.</p> <p>Innovative Solution: Showcase the uniqueness and innovativeness of your solution. Highlight how your project stands out from existing solutions and why it is valuable.</p> <p>Feasibility and Impact: Demonstrate the feasibility and practicality of implementing your project. Discuss the potential impact it could have in the relevant industry or community.</p> <p>Effective Communication: Develop a clear and compelling presentation that effectively communicates your project. Use visuals, charts, and other aids to enhance your communication.</p> <p>Prototypes and Demonstrations: If applicable, create prototypes or demonstrations to illustrate how your project works in a tangible way. This can significantly enhance your presentation.</p> <p>Team Collaboration: If you're working in a team, ensure effective collaboration and coordination. Clearly define each team member's role and contribution to the project.</p> <p>Practice Pitching: Practice your presentation multiple times to ensure that you can confidently and clearly articulate your project within the allocated time. Consider seeking feedback from peers or mentors.</p>

	<p>Stay Updated: Keep yourself updated on any guidelines, rules, or announcements from KPIT Sparkle. Ensure that your project aligns with the latest information provided by the organizers.</p> <p>Passion and Enthusiasm: Showcase your passion and enthusiasm for your project. Convey why you are personally invested in the idea and its potential impact.</p> <p>Networking: Take advantage of networking opportunities during the event. Connect with industry professionals, mentors, and fellow participants to expand your network.</p>
Expenses incurred:	NA
Revenue Generated if Any:	NA
Event Pictures (with Geo-tagging)	



Prepared By: Mr. Sunil G
Date: 12-09-2019


Signature:



COLLEGE OF ENGINEERING
UNIVERSITY OF CALIFORNIA, BERKELEY

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
STRATEGIC RELATIONSHIP WITH
THE UC BERKELEY COLLEGE OF ENGINEERING THROUGH
THE DADO AND MARIA BANATAO CENTER FOR GLOBAL EDUCATION AND
OUTREACH FROM BERKELEY ENGINEERING

The vision of the College of Engineering at UC Berkeley is to educate leaders, create knowledge, and serve society and its Dado and Maria Banatao Center for Global Education and Outreach from Berkeley Engineering (GLOBE) facilitates that vision with international partners. The vision of the SRM Institute of Science and Technology (SRMIST) is to emerge as a world-class university in creating and disseminating knowledge, and in providing students a unique learning experience in science, technology, medicine, management and other areas of scholarship that will best serve the world and betterment of mankind.

In support of the shared visions, the SRMIST will provide unrestricted funding of \$500,000 per year to GLOBE for participation in the GLOBE Global Fellows program. The initial expected duration for the relationship is for three years with an option in the second year to extend for an additional five years.

GLOBE invites engagement with SRMIST, from its Chennai and AP-Amaravati campuses, in the following ways:

- Bi-directional information exchange, in areas of engineering education, including the opportunity to send up to two (2) visiting fellows per year to be hosted in either or both of the Jacobs Institute for Design Engineering [Jacobs Institute] and the Sutardja Center for Entrepreneurship and Technology [SCET]. SRMIST will additionally be considered a Global Partner of both Jacobs and SCET.
- The opportunity to send up to twelve (12) undergraduate students to study for a Spring semester in the College of Engineering in a defined set of concurrent enrollment and bootcamp courses from the Jacobs Institute and SCET. Students in these programs will be treated as all other students of concurrent enrollment and partner university members of Jacobs and SCET. [Fees for this funding will be held and accounted for in a separate account.]
- The opportunity to send up to two (2) graduate students to the SCET Bootcamp per year.
- Support of the visiting fellows in engagement with Jacobs Institute and SCET faculty in guidance for development of SRMIST courses in related areas.
- Participation in relevant College of Engineering events held on the Berkeley campus.
- Facilitation of short-term visits by SRMIST faculty.

The UC Berkeley, College of Engineering and SRMIST may only use the other party's name and Wordmark in advertising or promotion with review and express written permission of the other party.

P. Sathyanarayanan
President
SRM Institute of Science and Technology
Date 27/9/19

Tsu-Jae King Liu
Dean, College of Engineering
UC Berkeley
Date 9/16/19

The Directorate of International Relations & Higher Studies

Dear Sir/ Ma'am,

The Directorate of International Relations & Higher Studies in collaboration with **University of California – Berkeley, USA** organized the Semester Abroad Programme – Spring 2022.

The student of SRM University AP from the department of Computer Science and Engineering, **Mohammed Khizar Baig** enrolment number **AP19110010167** has participated in this program from **14th January** to **10th June 2022** to pursue his 6th semester.

Please find the details of the courses undertaken by the student at host university:

S. No	Course Code	Course title	Credits
1	INDENG 195	A Richard Newton Lecture Series	1
2	INDENG 191	Technology Entrepreneurship	3
3	INDENG 185-002	Challenge Lab: Opportunity Tech & Future of Work	4
4	DES INV 23	Creative Programming and Electronics	3
5	DES INV 95	Design Field Lecture Series	1


Regards,
IR & HS Department

Directorate of International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

SRM University, AP - Andhra Pradesh, Neeru Konda Post, Mangalagiri (MD), Guntur (DT),

Andhra Pradesh 522502, www.srmap.edu.in, Phone: 0863 - 234 300

The Directorate of International Relations & Higher Studies

Dear Sir/ Ma'am,

The Directorate of International Relations & Higher Studies in collaboration with University of California – Berkeley, USA organized the Semester Abroad Programme – Spring 2022.

The student of SRM University AP from the department of Computer Science and Engineering, **Tankala Yuvaraj** enrolment number **AP19110010221** has participated in this program from **14th January** to **10th June 2022** to pursue his 6th semester.

Please find the details of the courses undertaken by the student at host university:

S. No	Course Code	Course title	Credits
1	INDENG 195	A Richard Newton Lecture Series	1
2	INDENG 191	Technology Entrepreneurship	3
3	INDENG 185-002	Challenge Lab: Opportunity Tech & Future of Work	4
4	DES INV 23	Creative Programming and Electronics	3
5	DES INV 95	Design Field Lecture Series	1

Regards,
IR & HS Department



Directorate of International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

SRM University, AP - Andhra Pradesh, Neeru Konda Post, Mangalagiri (MD), Guntur (DT),

Andhra Pradesh 522502, www.srmap.edu.in, Phone: 0863 - 234 300

The Directorate of International Relations & Higher Studies

Dear Sir/ Ma'am,

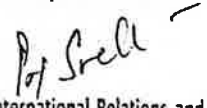
The Directorate of International Relations & Higher Studies in collaboration with University of California – Berkeley, USA organized the Semester Abroad Programme – Spring 2022.

The student of SRM University AP from the department of Computer Science and Engineering, Shanmukh R enrolment number AP19110010304 has participated in this program from 14th January to 10th June 2022 to pursue his 6th semester.

Please find the details of the courses undertaken by the student at host university:

S. No	Course Code	Course title	Credits
1	INDENG 195	A Richard Newton Lecture Series	1
2	INDENG 191	Technology Entrepreneurship	3
3	INDENG 185-002	Challenge Lab: Opportunity Tech & Future of Work	4
4	DES INV 23	Creative Programming and Electronics	3
5	DES INV 95	Design Field Lecture Series	1

Regards,
IR & HS Department


Directorate of International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

SRM University, AP - Andhra Pradesh, Neeru Konda Post, Mangalagiri (MD), Guntur (DT),

Andhra Pradesh 522502, www.srmap.edu.in, Phone: 0863 - 234 300

The Directorate of International Relations & Higher Studies

Dear Sir/ Ma'am,

The Directorate of International Relations & Higher Studies in collaboration with University of California – Berkeley, USA organized the Semester Abroad Programme – Spring 2022.

The student of SRM University AP from the department of Computer Science and Engineering, **Pulkit Jasti** enrolment number **AP19110010491** has participated in this program from **27th January** to **31st May 2022** to pursue his 6th semester.

Please find the details of the courses undertaken by the student at host university:

S. No	Course Code	Course title	Credits
1	INDENG 195	A Richard Newton Lecture Series	1
2	INDENG 191	Technology Entrepreneurship	3
3	INDENG 185-002	Challenge Lab: Opportunity Tech & Future of Work	4
4	DES INV 23	Creative Programming and Electronics	3
5	DES INV 95	Design Field Lecture Series	1

Regards,
IR & HS Department
P. Sreed

Directorate of International Relations and Higher Studies
SRM University-AP, Andhra Pradesh

SRM University, AP - Andhra Pradesh, Neeru Konda Post, Mangalagiri (MD), Guntur (DT),

Andhra Pradesh 522502, www.srmap.edu.in, Phone: 0863 - 234 300



CHIEF MINISTER'S SKILL EXCELLENCE CENTER



MEMORANDUM OF AGREEMENT (MoA)

BETWEEN

ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION

AND

**SRM University,
Mangalagiri**

**Skill Development, Entrepreneurship & Innovation Department
(SDE&I. Dept.), Government of Andhra Pradesh.**



AGREEMENT BETWEEN

**ANDHRA PRADESH STATE SKILL DEVELOPMENT
CORPORATION**

AND

**SRM UNIVERSITY
AMARAVATI**



incorporated APSSDC as a special corporate which shall strive for the appropriate and demand driven Skill Development.

APSSDC in its several meetings have discussed and decided to achieve the goal of skill development with participative approach of the stakeholders' viz. the Government, Industry, academic institutions, youth and all other stakeholders. This participative approach will go a long way in accomplishing the task in economical, appropriate proportions with relevance in the shortest period. The APSSDC would provide the extra infrastructural requirements at the selected academic institutions in order to extend the skilling activities and thus realizing the objectives of APSSDC. In this process, the APSSDC has selected some of the leading Engineering Colleges/Govt. Polytechnics/Industry associated training institutions for providing the additional infrastructural facilities required for running the Skill Development programs.

APSSDC and the College/ Institution which is selected for **CM's Skill Excellence Center (SEC) - ICT Lab** have mutually discussed and agreed to enter into this agreement as detailed hereinafter.

NOW, THEREFORE, in consideration of the mutual promises contained herein and other good and valuable consideration, the receipt of which is hereby acknowledged, the parties agree as follows:

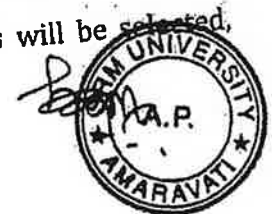
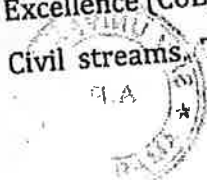
2.1 DEFINITIONS:

In this Agreement, the following expressions shall have the meaning stated herein:

"Agreement" shall mean this agreement executed between APSSDC and College and shall include any written modifications thereof and the schedules attached hereto.

"Applicable Law" shall mean all the laws national and international, enacted or brought into force as the case may be and enforced by the GoI or GoAP as the case may be, and the regulations and notifications made there under and judgments, decrees, injunctions, writs and orders of any court of record, as may be in force and effect.

"CM's Skill Excellence Centre - ICT Lab" shall mean multi-skill focused Centres of Excellence (CoE) at reputed Engineering Colleges in CSE, IT, ECE, EEE, Mechanical and Civil streams. These **CM's Skill Excellence Centers - ICT Labs** will be selected,



- Provide equipment with latest technology to fill up the gap required to suit the skill development training requirements –laptops (as per the configuration given in Annexure I);
- Prepare over all calendar programs and communicate to Second Party;
- Train the faculty in the requisite and relevant skill;
- Exercise its right to cancel the permission now granted to the institutions in the event of not fulfilling their obligations.

5. SCOPE OF THE SECOND PARTY

The College shall:

- Provide a minimum of 750 sq.ft area for setting up the lab;
- Make available the necessary infrastructure as per the project specifications including electrical fittings, electricity and Power backup, water, furniture and fixtures and Air-conditioning;
- Provide adequate security: The College is responsible and accountable for the safety of the lab equipment;
- Ensure internet connectivity of 150Mbps bandwidth;
- Mobilize faculty and students of the college/institution for trainings and Certification;
- Make necessary efforts and ensure maximum participation of students belonging to Scheduled Caste (SC) and Scheduled Tribe (ST) Categories
- Appoint a Centre Coordinator as Single point of contact person (SPOC) for handling all administrative and programme related activities for smooth functioning of the Centre;
- Ensure to mark the daily attendance of candidates in the suggested mode (manual or bio metric or iris scan);
- Make a commitment on the count of faculty and students for APSSDC Training programs as mentioned - **50% of annual intake / students on rolls** - for participation in APSSDC programs like Workshops, online programs, Certification programs, any other programs announced by APSSDC from time to time out of which 50% students are to get certified from the Globally recognized MOOCs;



6. REVENUE GENERATED

The Revenue generated from the programs being implemented by APSSDC will be the sole income of APSSDC as per the Course wise fee structure provided at Annexure -II which may be periodically updated as and when required.

7. BREACH OF AGREEMENT & REMEDIAL PERIOD

APSSDC shall have the right to terminate this Agreement without assigning any reasons by giving prior written notice of 60 (Sixty) days through its authorized signatory. Without prejudice to the above, either Party may terminate this Agreement by giving 30 (Thirty) days' written notice through its authorized signatory in the event of any material breach of any of the material terms of this Agreement by the other Party. The non-defaulting party shall first serve a written notice of its intention to terminate this Agreement to the defaulting party highlighting the material breach and giving the defaulting party a period of 30 days or such extended period as may be mutually agreed to within which to remedy the material breach. If such event of a material breach remain unresolved/unrectified within the said notice period of 30 days or such extended period as may be mutually agreed to, the non-defaulting shall be able to terminate the Agreement forthwith.

8. CONFIDENTIAL INFORMATION

Each Party may disclose Confidential Information:

- a) to the extent to which it is required to be disclosed pursuant to Applicable Law;
- b) to the extent to which it is specifically permitted by the other Party in writing;
- c) to the extent that the Confidential Information is publicly available and
- d) to its employees and professional advisors, but only to the extent necessary and subject to such employees and professional advisors accepting an equivalent confidentiality obligation to that set out in this Clause Confidentiality.

9. LIMITATION OF LIABILITY

Except as agreed and provided under this Agreement, neither of the Parties shall be liable to bear or pay any damages arising out of loss of income, loss of profit, special, incidental, indirect, punitive, exemplary or consequential, to any party including third parties, and all such damages are expressly disclaimed.



replace the illegal or unenforceable provisions with valid provisions which are as close as possible to the illegal or unenforceable provisions in their respective meaning, purpose, and commercial effect within reasonable time.

13. NOTICE

13.1. Any notice or other document to be given under this Agreement shall be in writing and shall be deemed to have been duly given if left at or sent by:

- (a) hand; or
- (b) registered posts; or
- (c) facsimile or other electronic media;

to the other party at the following addresses and/or telecommunication number or such other addresses as the party may from time to time designate by written notice to the other(s):

APSSDC **Andhra Pradesh State Skill Development Corporation**
Door No. 78/2, G&J Infra Infosight Building,
Near Pathuru Junction, Tadepalli - 522501

College/ **SRM UNIVERSITY, AMARAVATI**
Institution **Neerukonda, Mangalagiri, Guntur, Andhra Pradesh 522502**

13.2. All such notices and documents shall be in the English language. All notices or other documents shall be deemed to have been received by the addressee in the case of dispatch by post, five (5) working days following the date of dispatch of the notice or document and in the case of dispatch by hand or by facsimile or other electronic media, simultaneously with the delivery or transmission (as the case may be). To prove the giving of a notice or other document it shall be sufficient to show that it was dispatched in accordance with the provisions of Clause 13.1 hereof.

14. PERIOD OF VALIDITY

This Agreement is effective from _____ and shall be in force for a period of three years, unless terminated by mutual consent of the parties.



20.ASSIGNMENT

The Second Party shall not be entitled to, nor shall it purport to, assign this Agreement, without prior consent of the First Party.

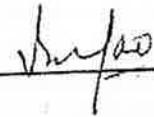
This Agreement is prepared in two originals and each party shall retain one copy. Each copy shall be treated as original when taken separately and shall constitute as one when taken together.

In token of agreement and acceptance hereof by the two parties the authorized representatives of the two parties hereto have affixed their signatures herein below in the presence of witnesses as under:

SIGNED ON BEHALF OF

ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION

Signature: _____



(Name: Dr. B Nageswara Rao)



Designation: Executive Director

SRI RAMASWAMY MEMORIAL AP,

Neerukonda, Mangalagiri, Guntur, Andhra Pradesh 522502

SRM University - AP
Amalavati

Signature: _____



Name: D. GUNASEKAR



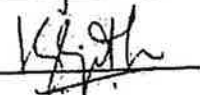
REGISTRAR

Designation: CHAIRMAN

Witness

Name: Dr. Sujith Kalluri

Signature: _____

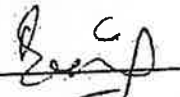


Designation: Asst. Professor

Name :

P. Ramesh Kumar

Signature: _____



Designation: Chief Liaison Officer

Annexure - II

Details of course wise fee

S No	Programs Offered for ECE, EEE & EIE	Duration	Fee
1	Embedded systems Fundamentals (Embedded C ,8051)	6 Days	150
2	Embedded Systems Advanced (ARM)	3 Days	300
3	Internet of Things (IoT)	1 Week	300
4	PCB (Software)	3 Days	100
5	PCB (Hardware)	3 Days	100
6	Arduino With Scratch	3 Days	100
7	Mathematical Operations With scilab for Engineering Applications	3 Days	100
8	SciLab	3 Days	100
9	PLC	6 Days	300
10	SCADA	6 Days	300

S No	Programs Offered for Mechanical Engineering students	Duration	Fee
1	AUTOCAD	6 days	250
2	CATIA Phase -I (Modelling)	6 days	250
3	CATIA Phase - II (Surfacing)	6 days	250
4	Solid Edge	6 days	250

S No	Programs Offered for Civil Engineering students	Duration	Fee
1	AutoCAD	6 days	250
2	Revit Architecture	6 days	250
3	Revit Structure	6 days	250
4	ETABS	6 days	250

S No	Programs Offered in Gaming : (Computer Engg/ECE students	Duration	Fee
1	Game Development using Buildbox	3 days	100
2	Fundamentals in Game Development using Unity3D & C#	6 days	250

S No	Programs Offered in Amazon Web Services(AWS) for Computer ENGG/ECE students	Duration	Fee
1	Cloud Literacy	1 Day	Free
2	Cloud Computing 101	2 Days	Free
3	ALEXA SKILLS	5 days	100
4	Associate Cloud Architect	5 days	100

S.No	Register No.	Student Name	Branch	Internship Company
1	AP19110010001	TATA LAKSHMI DURGA LIKHITHA	CSE	APSSDC
2	AP19110010003	BHUVANA VENIGALLA	CSE	APSSDC
3	AP19110010006	TADIKONDA LIKHITHA PARVATHI	CSE	APSSDC
4	AP19110010013	ADDEPALLI SRILEKHA	CSE	APSSDC
5	AP19110010014	PINNAKASRIRAGHAV	CSE	APSSDC
6	AP19110010016	MASOOM ANAS KHAN	CSE	APSSDC
7	AP19110010019	GOLLAPALLI SAIRAM	CSE	APSSDC
8	AP19110010023	KANDREGULA GAUTHAMI	CSE	APSSDC
9	AP19110010028	CHANDRA SEKHAR REDDY CHALLA	CSE	APSSDC
10	AP19110010033	VANKA KRISHNA TEJA SRI	CSE	360 Research Foundation + APSSDC
11	AP19110010034	MYNENI YAMINI	CSE	APSSDC
12	AP19110010037	MADDINENI SINDHU	CSE	APSSDC
13	AP19110010038	PUCHAPOTULA CHARAN SAI	CSE	APSSDC
14	AP19110010040	THEJO THANVITHA MAJETY	CSE	360 Research Foundation + APSSDC
15	AP19110010042	PAVAN KUMAR CHINTA	CSE	APSSDC
16	AP19110010044	GADE DURGA SASI KUMAR	CSE	APSSDC
17	AP19110010045	MR. POTTI NVSS AVINASH	CSE	APSSDC
18	AP19110010048	ANUDEEP TADIKAMALLA	CSE	APSSDC
19	AP19110010050	KOLLI BHAVANA	CSE	APSSDC
20	AP19110010055	NAMBURI TARUN	CSE	APSSDC
21	AP19110010056	VISHAL CHOWDARY PEDDU	CSE	APSSDC
22	AP19110010063	KURICHETI SAI SAVANTH	CSE	APSSDC
23	AP19110010067	BELLAMKONDA MEGHANA	CSE	APSSDC
24	AP19110010069	SATWIK SRIPADI	CSE	APSSDC
25	AP19110010070	PALADUGU SAI HARSHA	CSE	APSSDC
26	AP19110010075	PAVITRA MEKALA	CSE	APSSDC
27	AP19110010076	NORI SRI LAHARI SIVANVITHA	CSE	APSSDC
28	AP19110010077	ALURU LAKSHMI NAGA SAI LIKHITA	CSE	APSSDC
29	AP19110010085	SAI HARSHITH CHINTA	CSE	APSSDC
30	AP19110010086	SHAIK APSAREENA ZULEKHA	CSE	APSSDC
31	AP19110010089	MADALA RESHMA SRI	CSE	APSSDC
32	AP19110010090	CHALLA ABHINAV	CSE	APSSDC
33	AP19110010091	BAVINENI NITIN KRISHNA	CSE	APSSDC
34	AP19110010095	DASARI VAMSI KRISHNA	CSE	APSSDC
35	AP19110010109	PRATTIPATI MANOJ SAI	CSE	360 Research Foundation + APSSDC
36	AP19110010112	LAKKIREDDY HARSHITHA	CSE	APSSDC
37	AP19110010131	ANISHITA KAKANI	CSE	APSSDC
38	AP19110010134	KAKARAPARTHI NAINEKKA	CSE	APSSDC
39	AP19110010135	KUNA RAJESH	CSE	APSSDC
40	AP19110010138	SAI SRI RAM KUMAR MACHA	CSE	APSSDC
41	AP19110010140	GUNTUPALLI SAI MANASVI	CSE	APSSDC
42	AP19110010146	NAVEENA BONU	CSE	APSSDC
43	AP19110010156	GOKUL SAI TEJA VEPURI	CSE	Headway Data systems + APSSDC
44	AP19110010161	NALLANI JYOTHI SWARUPA	CSE	APSSDC
45	AP19110010164	K SRI HARSHA	CSE	APSSDC
46	AP19110010165	OBULAPU TEJASWINI .	CSE	APSSDC
47	AP19110010167	MOHAMMED KHIZAR BAIG	CSE	APSSDC
48	AP19110010171	AVVARI LIKHITHA	CSE	APSSDC
49	AP19110010174	BOYAPATI SAI VENKAT	CSE	APSSDC
50	AP19110010175	VANGALA BHARGAVA ANIRUDH	CSE	APSSDC
51	AP19110010181	ANNAPAREDDY KRISHNA TEJA	CSE	APSSDC
52	AP19110010183	TIWARI DHARMESH SHARMA	CSE	APSSDC
53	AP19110010187	RENTAPALLA NIKHILA JONES	CSE	APSSDC
54	AP19110010197	VEJENDLA HARSHIKA	CSE	APSSDC
55	AP19110010199	SOMEPELLI SAGAR SUJITH	CSE	APSSDC
56	AP19110010219	PULIVARTHI SRI LAKSHMI .	CSE	APSSDC
57	AP19110010230	AKKINENI SOHITH SAI	CSE	APSSDC
58	AP19110010240	POPURI LAKSHMI SRAVANI	CSE	APSSDC
59	AP19110010242	YAMSANI SHIVA PRASAD	CSE	Headway Data systems + APSSDC
60	AP19110010246	GHANTA JAIYA .	CSE	APSSDC

61	AP19110010249	MOHIT KUMAR	CSE	APSSDC
62	AP19110010261	KATIKITALA SUSHMA RACHEL	CSE	APSSDC
63	AP19110010262	DEVALAPALLI TEJESHWAR REDDY	CSE	APSSDC
64	AP19110010265	MANDALI PRABHU KIRAN	CSE	APSSDC
65	AP19110010274	ADDAGADA JYOTIRAADITYA	CSE	APSSDC
66	AP19110010277	CHALLAGULLA KARTHIKEYA	CSE	APSSDC
67	AP19110010280	GUDURU BHANUSRIRAKSHITHA	CSE	APSSDC
68	AP19110010281	GURRAM SAHITHI PRIYA	CSE	APSSDC
69	AP19110010288	NALLURI SIRI KRISHNA	CSE	APSSDC
70	AP19110010294	GORANTLA SRINIVAS	CSE	APSSDC
71	AP19110010295	SAAKETH REDDY ADUDOTLA	CSE	APSSDC
72	AP19110010296	ALAPATI YAMINI BHARGAVI	CSE	APSSDC
73	AP19110010297	NUNI BHAVANA	CSE	APSSDC
74	AP19110010302	GADDAM VENKATA SIVA SAI NISHITA	CSE	APSSDC
75	AP19110010306	UDAY KIRAN DASARI	CSE	APSSDC
76	AP19110010310	GANISETTY DHANUSH	CSE	APSSDC
77	AP19110010314	CHALLA VENKATA PRADYUMNA	CSE	APSSDC
78	AP19110010324	KANDRU PRATHYUSHA	CSE	APSSDC
79	AP19110010329	KARTHIK GUTTAKONDA	CSE	APSSDC
80	AP19110010346	PUSHPA LATHA AVVARU	CSE	APSSDC
81	AP19110010351	OM ARYAN REDDY	CSE	APSSDC
82	AP19110010374	DATLA VAISHNAVI	CSE	APSSDC
83	AP19110010380	KANUMOLU GEETHIKA	CSE	APSSDC
84	AP19110010385	TATIKONDA LAKSHMAN	CSE	APSSDC
85	AP19110010392	KOLIPARTHI DURGA VAMSI	CSE	APSSDC
86	AP19110010399	KOTAPATI SHYAM SUNDAR	CSE	APSSDC
87	AP19110010408	GHANTA BHAVANI PRASAD	CSE	APSSDC
88	AP19110010410	CHERUKURI SRIPATHI HARSHA VARDHAN	CSE	APSSDC
89	AP19110010421	GODAVARTHI VENKATA NARASAMMA	CSE	APSSDC
90	AP19110010425	MR KATAKAM AKSHAY REDDY	CSE	APSSDC
91	AP19110010428	DANDIBHOTLA BALA PRANAV	CSE	APSSDC
92	AP19110010430	MOTHUKURI NOUSHIKA	CSE	APSSDC
93	AP19110010436	DUKKA RAVI RAM KARTHIK	CSE	APSSDC
94	AP19110010459	P DHEERAJ	CSE	APSSDC
95	AP19110010463	THATHA NAGA JAYASREE	CSE	APSSDC
96	AP19110010467	MULLAPUDI MOHANA SURENDAR	CSE	APSSDC
97	AP19110010470	DAMERA LAVANYA SUJANA	CSE	APSSDC
98	AP19110010481	E HEMASUNDAR YADAV	CSE	APSSDC
99	AP19110010495	MR BATCHU RAJA NITHIN	CSE	APSSDC
100	AP19110010500	RELANGI BABI VAMSI KRISHNA	CSE	APSSDC
101	AP19110010502	CHILLAPALLI NITHYA SANTHOSHINI	CSE	APSSDC
102	AP19110010504	DAMARLA TARUN VENKATA SAI	CSE	APSSDC
103	AP19110010510	RISHITHA REDDY MARYADA	CSE	APSSDC
104	AP19110010519	VAVINTAPARTHI AKHIL	CSE	APSSDC
105	AP19110010520	CHANDALURI SNIGDHA SETTY	CSE	APSSDC
106	AP19110010523	ORUGANTI ARAVIND	CSE	APSSDC
107	AP19110010542	NITESH KUMAR	CSE	APSSDC
108	AP19110010547	JUJJURU SIVASAI	CSE	APSSDC
109	AP19110010548	KONDAMURI LAHARI	CSE	APSSDC
110	AP19110010549	PAVANAGUNDLA RUTHIK VENKAT	CSE	APSSDC
111	AP19110010551	GURRAM SAI SUSHMA	CSE	APSSDC
112	AP19110010557	DANDU GIREESWAR VARMA	CSE	APSSDC
113	AP19110020001	SHAIK RIYAZUDDIN	ECE	360 Research Foundation + APSSDC
114	AP19110020003	CHIMIRALA YASWANTH SAI	ECE	360 Research Foundation + APSSDC
115	AP19110020005	GARIKAPATI HEMA SREE	ECE	APSSDC
116	AP19110020009	PADARTHI SABARI PRIYA	ECE	APSSDC
117	AP19110020010	EDARA SAI CHANDANA	ECE	APSSDC
118	AP19110020011	PADARTHI NAGA VENKATA KOTESWARARAO	ECE	360 Research Foundation + APSSDC
119	AP19110020012	MANTENA HEMA HARSHITHA	ECE	NRI academy of sciences hospital + APSSDC
120	AP19110020013	KURAKULA LASYA PRIYA	ECE	APSSDC
121	AP19110020015	ATTILI DINESH NAGA VENKAT	ECE	360 Research Foundation + APSSDC

122	AP19110020020	MALLAMPALLI VISHNU	ECE	360 Research Foundation + APSSDC
123	AP19110020021	KAVIRAT VANI HARSHITHA	ECE	360 Research Foundation + APSSDC
124	AP19110020025	ABDUL FARAHNAAZ	ECE	APSSDC
125	AP19110020031	EEDARA AJAY .	ECE	360 Research Foundation + APSSDC
126	AP19110020032	PULIMI UDAYKIRAN .	ECE	APSSDC
127	AP19110020039	TIRUMALA MARUTHI SRIPATHI	ECE	360 Research Foundation + APSSDC
128	AP19110020044	VEGINATI ARAVIND	ECE	360 Research Foundation + APSSDC
129	AP19110020045	SEGU SUNIL KUMAR	ECE	360 Research Foundation + APSSDC
130	AP19110020048	ARUDALA THRINADH KALI VARA PRASAD	ECE	360 Research Foundation+APSSDC + Technologics
131	AP19110020049	BOYAPATI VAMSI	ECE	360 Research Foundation+ APSSDC
132	AP19110020052	VASAMSETTI MAHESH	ECE	360 Research Foundation + APSSDC
133	AP19110020053	HEMANTH VAMSI RAO	ECE	360 Research Foundation + APSSDC
134	AP19110020055	KOMMINENI GEETHIKA .	ECE	360 Research Foundation + APSSDC
135	AP19110020057	DAMARAJU SAI ANIRUDH .	ECE	360 Research Foundation + APSSDC
136	AP19110020058	AVIRNENI SRIYA .	ECE	Technologics + APSSDC
137	AP19110020064	RACHAPUDI SOMANATHA SUBBARAMA KAUSIK	ECE	APSSDC
138	AP19110020069	NALABOTHU LAKSHMI PRASANNA KUMAR .	ECE	APSSDC
139	AP19110020070	NUTHALAPATI NAGA SAI .	ECE	APSSDC
140	AP19110020072	UNNAM ABHIRAM	ECE	APSSDC
141	AP19110020073	REMINISETTI RAJYALAKSHMI	ECE	360 Research Foundation + APSSDC
142	AP19110020076	CH N K S PAVAN KUMAR VEDANTAM	ECE	360 Research Foundation + APSSDC
143	AP19110020077	DEVIREDDY SAPTHARISHI REDDY	ECE	360 Research Foundation + APSSDC
144	AP19110020080	DHANEKULA LAKSHMANA RAO	ECE	APSSDC
145	AP19110020081	BANAVATH PAVAN KUMAR	ECE	APSSDC
146	AP19110020082	SANJAY KANDIMALLA	ECE	360 Research Foundation + APSSDC
147	AP19110020084	LEHITHA PATURI .	ECE	APSSDC
148	AP19110020087	BHANU SANKAR PENUGONDA	ECE	APSSDC
149	AP19110020088	MANGAMURI PRATHYUSHA .	ECE	APSSDC
150	AP19110020089	VURA SRAVANI	ECE	APSSDC
151	AP19110020090	VVDSN CHANDRA SEKHARA CHETAN GOLI	ECE	APSSDC
152	AP19110020091	KALLURI DEEPIKA RANI .	ECE	APSSDC
153	AP19110020095	BALABHADRUNI S S G K BALAJI .	ECE	APSSDC
154	AP19110020096	KARNA NITEESH	ECE	APSSDC
155	AP19110020098	ANIRUDH KOGANTI	ECE	360 Research Foundation + APSSDC
156	AP19110020099	KALISSETTY SAI YASWANTH	ECE	APSSDC
157	AP19110020100	BHARADWAJ KADIYALA	ECE	APSSDC
158	AP19110020105	DONEPUDI AGNI TEJA	ECE	APSSDC
159	AP19110020106	KARNATAPU SRI SAI DHANUSH	ECE	APSSDC
160	AP19110020107	KAVETI SUJITH SURYA .	ECE	APSSDC
161	AP19110020108	V K L S S KARTHIKEYA DAITA .	ECE	APSSDC
162	AP19110020111	CHAITANYA SK	ECE	APSSDC
163	AP19110020113	PONNALA AVINASH KUMAR .	ECE	APSSDC
164	AP19110020114	NAMBURU SRAVANI .	ECE	APSSDC
165	AP19110020121	VAMSIDHAR VUDDAGIRI	ECE	APSSDC
166	AP19110020128	MANDALAPU ISHWARYA	ECE	360 Research Foundation + APSSDC
167	AP19110020135	DIVYAKOLU HARSHA VARDHAN SAI	ECE	APSSDC
			ECE	360 Research Foundation + APSSDC

Sno	Certificate Number	Regd No	Name	College Name	Mail ID	Program Name	From Date	To Date	Payment Status
1	SDC/23-24/ESINTERN/00001	AP21110020002	Nirmagaadda Murali Krishna	SRM UNIVERSITY AP	muralikrishna_n@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
2	SDC/23-24/ESINTERN/00002	AP21110020004	Borra Venkata Siva Sai Manikanta	SRM UNIVERSITY AP	manikanta_borra@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
3	SDC/23-24/ESINTERN/00003	AP21110020005	K N S Javarani	SRM UNIVERSITY AP	Javarani_kandukuri@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
4	SDC/23-24/ESINTERN/00004	AP21110020006	Rohitha Yelama	SRM UNIVERSITY AP	rohitha_yelama@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
5	SDC/23-24/ESINTERN/00005	AP21110020013	Akhil Mareedu	SRM UNIVERSITY AP	akhil_mareedu@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
6	SDC/23-24/ESINTERN/00006	AP21110020017	Ghantaagore Gangadhar	SRM UNIVERSITY AP	ghantaagore_gangadhar@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
7	SDC/23-24/ESINTERN/00007	AP21110020020	Dokala Sree Vathsav	SRM UNIVERSITY AP	sreevathsav_dokala@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
8	SDC/23-24/ESINTERN/00008	AP21110020025	Adapa Venkata Vijay	SRM UNIVERSITY AP	venkatavijay_adapa@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
9	SDC/23-24/ESINTERN/00009	AP21110020026	Nallam Tejasri Veda	SRM UNIVERSITY AP	tejasriveda_nallam@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
10	SDC/23-24/ESINTERN/00010	AP21110020031	Aravind Bhavanam	SRM UNIVERSITY AP	aravind_bhavanam@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
30	SDC/23-24/ESINTERN/00030	AP21110020032	N Leela Phaneesh	SRM UNIVERSITY AP	leelaphaneesh_nunna@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
11	SDC/23-24/ESINTERN/00011	AP21110020033	Vignesh Yalala	SRM UNIVERSITY AP	vignesh_yalala@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
12	SDC/23-24/ESINTERN/00012	AP21110020034	Katta Trinadh Sundar	SRM UNIVERSITY AP	trinadh_sundar_katta@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
13	SDC/23-24/ESINTERN/00013	AP21110020037	Bommu Naga Sirini	SRM UNIVERSITY AP	bommu_naga_sirini@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
14	SDC/23-24/ESINTERN/00014	AP21110020038	Puneeth Yekkiyetti	SRM UNIVERSITY AP	puneeth_yekkiyetti@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
15	SDC/23-24/ESINTERN/00015	AP21110020043	Venkata Siva Nagalakshmi	SRM UNIVERSITY AP	nagalakshmi_venkata_siva@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
16	SDC/23-24/ESINTERN/00016	AP21110020049	Vedajhna Mahalakshmi	SRM UNIVERSITY AP	vedajhna_mahalakshmi@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
17	SDC/23-24/ESINTERN/00017	AP21110020055	Chitta Sai Pranav	SRM UNIVERSITY AP	chitta_sai_pranav@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
18	SDC/23-24/ESINTERN/00018	AP21110020063	Potti Indra Sneha Sri	SRM UNIVERSITY AP	potti_indra_sneha_sri@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
19	SDC/23-24/ESINTERN/00019	AP21110020068	Nikhil Nirmagaadda	SRM UNIVERSITY AP	nikhil_nirmagaadda@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
20	SDC/23-24/ESINTERN/00020	AP21110020070	D P S Praveenya	SRM UNIVERSITY AP	dp_s_praveenya@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
21	SDC/23-24/ESINTERN/00021	AP21110020071	Lashya Subudhi	SRM UNIVERSITY AP	lashya_subudhi@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
22	SDC/23-24/ESINTERN/00022	AP21110020076	Md.Irfan Khan	SRM UNIVERSITY AP	irfankhan_mohammed@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
23	SDC/23-24/ESINTERN/00023	AP21110020077	Tarunya Guduru	SRM UNIVERSITY AP	tarunya_guduru@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
24	SDC/23-24/ESINTERN/00024	AP21110020079	Sonia Palthiya	SRM UNIVERSITY AP	sonia_palthiya@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
25	SDC/23-24/ESINTERN/00025	AP21110020100	P Sharmila	SRM UNIVERSITY AP	sharmila_palle@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
26	SDC/23-24/ESINTERN/00026	AP21110020103	A Phani Preethi	SRM UNIVERSITY AP	phanipreethi_a@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
27	SDC/23-24/ESINTERN/00027	AP21110020104	R Vishala	SRM UNIVERSITY AP	vishala_ramireddy@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
28	SDC/23-24/ESINTERN/00028	AP21110020116	Vennela Gogula	SRM UNIVERSITY AP	vennela_gogula@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success
29	SDC/23-24/ESINTERN/00029	AP21110020120	Vinod Bochu	SRM UNIVERSITY AP	vinod_bochu@srmap.edu.in	Embedded Systems Internship	19-06-2023	14-08-2023	Success

Cert. No: AAD-Internship -013

PIN: AP19110010077



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Aluru Lakshmi Naga Sai Likhita

from SRM University

has completed Internship

on

..... **Android Application Development**

in APSSDC

from

..... **07-06-2021 to 27-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-Intern-083

PIN: AP19110010075



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Pavitra Mekala

from **SRM University - AP**

has completed Internship

on

Android Application Development - Online Internship - 2021-22

in APSSDC

from

7th June 2021 to 24th July 2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AWS-OINT-79

PIN: AP19110010261



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Katikitala Sushma Rachel

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 **to** 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0253

PIN: AP19110020106



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Karnatapu Sri Sai Dhanush

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

.....

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0502

PIN: AP19110010380



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Geethika Kanumolu

from SRM University

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0014

PIN: Ap19110010547



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Sivasai Jujjuru

from **SRM University**

has completed Internship

on

..... **Web Development using Django Internship**

in APSSDC

from

..... **07-06-2021 to 14-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0430

PIN: AP19110010076



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Srilahari Sivanvitha Nori

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0493

PIN: AP19110010314



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Challa Venkata Pradyumna

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-Intern-086

PIN: AP19110010048



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Anudeep Tadikamalla

from **SRM University - AP**

has completed Internship

on

Android Application Development - Online Internship - 2021-22

in APSSDC

from

7th June 2021 to 24th July 2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0416

PIN: AP19110010014



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Sri Raghav Pinnaka

from SRM University

has completed Internship

on

..... Data Science Using Python Internship

in APSSDC

from

..... 07-06-2021 to 15-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0119

PIN: AP19110010038



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Puchapotula Charan Sai

from **SRM University**

has completed Internship

on

..... **Web Development using Django Internship..**

in APSSDC

from

..... **24-05-2021 to 24-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AWS-OINT-62

PIN: AP19110010042



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Pavan Kumar Chinta

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 **to** 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AWS-OINT-73

PIN: AP19110010138



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Sai Sri Ram Kumar Macha

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 **to** 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-Intern-017

PIN: AP19110010146



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Bonu Naveena

from **SRM University**

has completed Internship

on

Android Application Development - Online Internship - 2021-22

in APSSDC

from

24-05-2021 to 24-07-2021
..... to

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AWS-OINT-78

PIN: AP19110010171



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. AVVARI LIKHITHA

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 to 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AWS-OINT-56

PIN: AP19110010249



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Mohit Kumar

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 **to** 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0001

PIN: AP19110010262



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Devalapalli Tejeshwar Reddy

from **SRM University**

has completed Internship

on

..... **Web Development using Django Internship**

in APSSDC



from

..... **07-06-2021 to 14-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AWS-OINT-64 PIN: AP19110010281

 **ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION** 

CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Gurram Sahithi Priya

from SRM University

has completed Internship


on

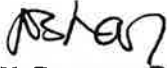
..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 **to** 24-07-2021


Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC


Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0484

PIN: AP19110010295



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Saaketh Reddy

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0002

PIN: AP19110010302



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



**Skill AP
APSSDC**

CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Gaddam Venkata Siva Sai Nishita

from SRM University

has completed Internship

on

..... Web Development using Django Internship

in APSSDC

from

..... 07-06-2021 **to** 14-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0512

PIN: AP19110010421



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms.Godavarthi Venkata Narasamma.....

fromSRM University.....

has completed Internship

on

.....Data Science Using Python Internship.....

in APSSDC

from

.....07-06-2021 to 15-07-2021.....

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0515

PIN: AP19110010430



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Mothukuri Noushika

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0521

PIN: AP19110010459



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **P. Dheeraj**

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021** **to** **15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0522

PIN: AP19110010463



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Thatha Naga Jayasree

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0525

PIN: AP19110010495



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Batchu Raja Nithin

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AAD-Internship -015

PIN: AP19110010502



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Chillapalli Nithya Santhoshini

from SRM University

has completed Internship

on

..... Android Application Development

in APSSDC

from

..... 07-06-2021 to 27-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0528

PIN: AP19110010510



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Rishitha Reddy Maryada

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0398

PIN: AP19110020001



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Shaik Riyazuddin

from **SRM University**

has completed Internship

on

..... **Embedded Systems Online Internship(2021-22)**

in APSSDC

from

..... **24-05-2021 to 31-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0223

PIN: AP19110020011



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. P.N.V.Koteswararao

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0225

PIN: AP19110020013



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Kurakula Lasya Priya

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0396

PIN: AP19110020020



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Vishnu Mallampalli

from SRM University

has completed Internship

on

... Embedded Systems Online Internship(2021-22)

in APSSDC

from

..... 24-05-2021 to 31-07-2021

Dr. D.V. Rama Koti Reddy

Executive Director
APSSDC

Sri N. Bangaru Raju,

Managing Director,
APSSDC

Cert. No: SDC/INTERN/0237

PIN: AP19110020058



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. AVIRNENI SRIYA

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

..... 07-06-2021 to 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0287

PIN: AP19110020070



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Nagasai Nuthalapati

from **SRM University**

has completed Internship

on

Internet Of Things(Iot) Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021
..... **to**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0301

PIN: AP19110020072



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Abhiram Unnam

from SRM University

has completed Internship

on

Internet Of Things(Iot) Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0240

PIN: AP19110020073



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. REMINISETTI RAJYALAKSHMI

from **SRM University, Andhra Pradesh**

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0243

PIN: AP19110020082



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Sanjay Kandimalla

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 **to** 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0282

PIN: AP19110020084



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Lehitha Paturi**

from **SRM University**

has completed Internship

on

Internet Of Things(Iot) Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0533

PIN: AP19110010523



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Oruganti Aravind

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0233

PIN: AP19110020049



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Boyapati vamsi**

from **SRM University, Andhra Pradesh**

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

..... **07-06-2021** **to** **06-08-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0026

PIN: AP19110010033



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Vanka Krishna Tejasri

from SRM University

has completed Internship

on

..... Web Development using Django Internship

in APSSDC

from

..... 07-06-2021 **to** 14-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0003

PIN: AP19110010242



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Yamsani Shiva Prasad

from **SRM University**

has completed Internship

on

..... **Web Development using Django Internship**

in **APSSDC**

from

..... **07-06-2021 to 14-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0135

PIN: AP19110010408



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Ghanta Bhavani Prasad

from SRM University

has completed Internship

on

..... Web Development using Django Internship

in APSSDC

from

..... 24-05-2021 **to** 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0296

PIN: AP19110020125



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Gudise Venkata Sri Sai Teja

from **SRM University**

has completed Internship

on

Internet Of Things(Iot) Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021
.....

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0293

PIN: AP19110020095



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. B.S.S.G.K.Balaji

from **SRM University**

has completed Internship

on

Internet Of Things(Iot) Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021

..... **to**

Dr. D.V. Rama Koti Reddy

Executive Director
APSSDC

Sri N. Bangaru Raju,

Managing Director,
APSSDC

Cert. No: SDC - DSI -0424

PIN: AP19110010040



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Thejo Thanvitha Majety**

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-Intern-077

PIN: AP19110010187



ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. RENTAPALLA NIKHILA JONES

from **SRM University - AP**

has completed Internship

on

Android Application Development - Online Internship - 2021-22

in APSSDC

from

7th June 2021 to 24th July 2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0297

PIN: AP19110020098



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Anirudh Koganti**

from **SRM University**

has completed Internship

on

Internet Of Things(Iot) Online Internship(2021-22)

in APSSDC

from

..... **24-05-2021** **to** **31-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0481

PIN: AP19110010277



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Ch. Karthikeya

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0235

PIN: AP19110020055



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms.KOMMINENI GEETHIKA.....

fromSRM University, Andhra Pradesh.....

has completed Internship

on

.....Internet of things(Iot) Online internship(2021-22).....

in APSSDC

from

.....07-06-2021 to 06-08-2021.....

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0513

PIN: AP19110010425



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Katakam Akshay Reddy

from SRM University

has completed Internship

on

..... Data Science Using Python Internship

in APSSDC

from

..... 07-06-2021 **to** 15-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0449

PIN: AP19110010134



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Kakaraparthi Nainekka

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0252

PIN: AP19110020105



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Donepudi Agni Teja

from SRM University, Andhra Pradesh

has completed Internship

on

..... Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

..... 07-06-2021 **to** 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0244

PIN: AP19110020088



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Prathyusha

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AAD-Internship -018

PIN: AP19110010067



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Bellamkonda Meghana

from **SRM University**

has completed Internship

on

..... **Android Application Development**

in **APSSDC**

from

..... **07-06-2021 to 27-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0450

PIN: AP19110010135



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Kuna Rajesh

from SRM University

has completed Internship

on

..... Data Science Using Python Internship

in APSSDC

from

..... 07-06-2021 to 15-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0408

PIN: AP19110010001



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Tata Lakshmi Durga Likhitha

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0028

PIN: AP19110010050



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Kolli Bhavana

from SRM University

has completed Internship

on

..... Web Development using Django Internship

in APSSDC

from

..... 07-06-2021 **to** 14-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0285

PIN: AP19110020032



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Pulimi Udaykiran

from **SRM University**

has completed Internship

on

Internet Of Things(Iot) Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021

..... **to**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0231

PIN: AP19110020044



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Aravind veginati

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

..... **to**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0401

PIN: AP19110020048



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Arudala Thrinadh Kali Vara Prasad

from SRM University

has completed Internship

on

..... Embedded Systems Online Internship(2021-22)

in APSSDC

from

..... 24-05-2021 to 31-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0292

PIN: AP19110020081



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. B Pavan Kumar

from SRM University

has completed Internship

on

Internet Of Things(Iot) Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-Intern-072

PIN: AP19110010294



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. G.Srinivas

from **SRM University - AP**

has completed Internship

on

Android Application Development - Online Internship - 2021-22

in APSSDC

from

7th June 2021 to 24th July 2021
.....

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0291

PIN: AP19110020100



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Bharadwaj Kadiyala

from SRM University

has completed Internship

on

Internet Of Things(Iot) Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0409

PIN: AP19110010003



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Bhuvana Venigalla

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0459

PIN: AP19110010175



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Vangala Bhargava Anirudh

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-Intern-081

PIN: AP19110010467



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **M.Mohana Surendar**

from **SRM University - AP**

has completed Internship

on

Android Application Development - Online Internship - 2021-22

in APSSDC

from

7th June 2021 to 24th July 2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0255

PIN: AP19110020111



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Chaitanya SK

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

..... 07-06-2021 **to** 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0531

PIN: AP19110010520



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Chandaluri Snigdha Setty

from SRM University

has completed Internship

on

Data Science Using Python Internship

in APSSDC

from

07-06-2021 to 15-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AWS-OINT-71

PIN: AP19110010028



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Chandra Sekhar Reddy Challa

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 **to** 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No:

AWS-OINT-81

PIN: AP19110010085



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Chinta Sai Harshith

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 to 24-07-2021

Dr. D.V. Rama Koti Reddy

Executive Director
APSSDC

Sri N. Bangaru Raju,

Managing Director,
APSSDC

Cert. No: SDC-WDDI-0005

PIN: AP19110010436



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Dukka Ravi Ram Karthik

from SRM University

has completed Internship

on

..... Web Development using Django Internship

in APSSDC

from

..... 07-06-2021 to 14-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0527

PIN: AP19110010504



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. D Tarun Venkat Sai

from SRM University

has completed Internship

on

..... Data Science Using Python Internship

in APSSDC

from

..... 07-06-2021 **to** 15-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0260

PIN: AP19110020135



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. D.HARSHA VARDHAN SAI

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

.....

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0121

PIN: AP19110010095



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Dasari Vamsi Krishna

from **SRM University**

has completed Internship

on

..... **Web Development using Django Internship**

in APSSDC

from

..... **24-05-2021 to 24-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0523

PIN: AP19110010470



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. D.Lavanya Sujana

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0454

PIN: AP19110010165



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Tejaswini

from SRM University

has completed Internship

on

..... Data Science Using Python Internship

in APSSDC

from

..... 07-06-2021 to 15-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0415

PIN: AP19110010013



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Addepalli Srilekha

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0507

PIN: AP19110010392



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Koliparthi Durgavamsi

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0242

PIN: AP19110020080



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Dhanekula lakshmana rao

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

..... 07-06-2021 **to** 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0222

PIN: AP19110020010



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Edara Sai Chandana

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

..... to

Dr. D.V. Rama Koti Reddy

Executive Director
APSSDC

Sri N. Bangaru Raju,

Managing Director,
APSSDC

Cert. No: SDC/INTERN/0221

PIN: AP19110020009



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Padarthi Sabari Priya

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

..... 07-06-2021 **to** 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0229

PIN: AP19110020031



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. EEDARA AJAY

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

.....

Dr. D.V. Rama Koti Reddy

Executive Director
APSSDC

Sri N. Bangaru Raju,

Managing Director,
APSSDC

Cert. No: AWS-OINT-55

PIN: AP19110010069



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Satwik Sripadi

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 to 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: Git-Internship-030

PIN: AP19110010329



ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Guttikonda Karthik

from SRM University- AP

has completed Internship

on

..... Source Code Management Using Git Github

in APSSDC

from

..... 07-06-2021 **to** 09-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0219

PIN: AP19110020005



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Garikapati Hema Sree

from **SRM University, Andhra Pradesh**

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

..... **to**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0477

PIN: AP19110010246



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Ghanta Jaiya

from SRM University

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: Git-Intership-031

PIN: AP19110010557



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Dandu Gireeswar Varma

from **SRM University- AP**

has completed Internship

on

..... **Source Code Management Using Git Github.**

in APSSDC

from

..... **07-06-2021 to 09-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0020

PIN: AP19110010156



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Gokul Sai Teja Vepuri

from **SRM University**

has completed Internship

on

..... **Web Development using Django Internship**

in **APSSDC**

from

..... **07-06-2021 to 14-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0246

PIN: AP19110020090



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Goli VVDSN Chandra Sekhara Chetan

from **SRM University, Andhra Pradesh**

has completed Internship

on

..... Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

..... 07-06-2021 to 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0023

PIN: AP19110010140



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Guntupalli Sai Manasvi

from SRM University

has completed Internship

on

..... Web Development using Django Internship

in APSSDC

from

..... 07-06-2021 to 14-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0204

PIN: AP19110010197



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Harshika Vejendla

from SRM University

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **24-05-2021 to 14-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0400

PIN: AP19110020053



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Hemanth Vamsi Rao

from **SRM University**

has completed Internship

on

... **Embedded Systems Online Internship(2021-22)**

in APSSDC

from

24-05-2021 to 31-07-2021

..... **to**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0463

PIN: AP19110010199



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Sagar Sujith Somepalli

from SRM University

has completed Internship

on

..... Data Science Using Python Internship

in APSSDC

from

..... 07-06-2021 to 15-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0537

PIN: AP19110010549



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. P.Ruthikvenkat

from SRM University

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AWS-OINT-61

PIN: AP19110010019



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Sairam Gollapalli

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 to 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-Intern-016

PIN: AP19110010274



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Jyotir Aditya

from **SRM University**

has completed Internship

on

Android Application Development - Online Internship - 2021-22

in APSSDC

from

24-05-2021 to 24-07-2021

..... to

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0524

PIN: AP19110010481



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



**Skill AP
APSSDC**

CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. E Hemasundar Yadav

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AAD-Internship -023

PIN: AP19110010037



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Sindhu Maddineni

from **SRM University**

has completed Internship

on

..... **Android Application Development**

in **APSSDC**

from

..... **07-06-2021 to 27-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0486

PIN: AP19110010296



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Yaminibhargavi Alapati

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0479

PIN: AP19110010265



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Mandali Prabhu Kiran

from SRM University

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-Intern-075

PIN: AP19110010089



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Madala Reshma Sri

from **SRM University - AP**

has completed Internship

on

Android Application Development - Online Internship - 2021-22

in APSSDC

from

7th June 2021 to 24th July 2021
.....

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0263

PIN: Ap19110020108



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. V.k.l.s.s karthikeya daita

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

..... to

Dr. D.V. Rama Koti Reddy

Executive Director
APSSDC

Sri N. Bangaru Raju,

Managing Director,
APSSDC

Cert. No: SDC/INTERN/0227

PIN: AP19110020025



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Abdul Farahnaaz

from **SRM University, Andhra Pradesh**

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0472

PIN: AP19110010230



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Akkineni Sohith Sai

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0433

PIN: AP19110010090



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Abhinav Challa

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0025

PIN: AP19110010034



ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Yamini Myneni

from SRM University

has completed Internship

on

..... Web Development using Django Internship

in APSSDC

from

..... 07-06-2021 to 14-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Criterion 5 - Student Support and Progression (100)

Key Indicator - 5.2 Student Progression (45)

5.2.3 Percentage of students qualifying in state/ national/ international level examinations out of the graduated students during the last five years (15)

5.2.3.1: Number of students qualifying in state/National/International level Examination during last five years (eg. SLET, NET, UPSC etc)

Year	2022-23	2021-22	2020-21	2019-20	2018-19
Number	173	84	20	NA	NA

Number of students qualifying in state/ national/ international level examinations out of the graduated students during the last five years - 277

S. No.	Name of the document	Document Link
1.	Supporting documents for the 2023 outgoing students qualified in state/ national/ international level examinations	View Document
2.	Supporting documents for the 2022 outgoing students qualified in state/ national/ international level examinations	View Document
3.	Supporting documents for the 2021 outgoing students qualified in state/ national/ international level examinations	View Document



Directorate of International Relations and Higher Studies
 SRM University-AP, Andhra Pradesh



Registrar
 SRM UNIVERSITY-AP
 Andhra Pradesh-522 240

Cert. No: SDC - DSI -0526

PIN: AP19110010500



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Relangi Babi Vamsi Krishna

from SRM University

has completed Internship

on

..... Data Science Using Python Internship

in APSSDC

from

..... 07-06-2021 to 15-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AAD-Internship -019

PIN: AP19110010086



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Apsareena Zulekha Shaik**

from **SRM University**

has completed Internship

on

..... **Android Application Development**

in APSSDC

from

..... **07-06-2021 to 27-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0283

PIN: AP19110010306



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. D.Uday Kiran

from **SRM University**

has completed Internship

on

Internet Of Things(Iot) Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AWS-OINT-57

PIN: AP19110010055



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Namburi Tarun

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 to 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0514

PIN: AP19110010428



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Dandibhotla Bala Pranav**

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0429

PIN: Ap19110010070



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Paladugu Sai Harsha

from SRM University

has completed Internship

on

..... Data Science Using Python Internship

in APSSDC

from

..... 07-06-2021 **to** 15-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0482

PIN: AP19110010280



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. G. Bhanu Sri Rakshitha

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0551

PIN: AP19110010164



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. K Sri harsha

from **SRM University**

has completed Internship

on

..... **Data Science Using Python**

in APSSDC

from

..... **14-June-2021 to 22-July-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0019

PIN: AP19110010548



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Kondamuri lahari

from **SRM University**

has completed Internship

on

..... **Web Development using Django Internship..**

in APSSDC

from

..... **07-06-2021 to 14-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0249

PIN: AP19110020099



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. KALISSETTY SAI YASWANTH

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

.....

Dr. D.V. Rama Koti Reddy

Executive Director
APSSDC

Sri N. Bangaru Raju,

Managing Director,
APSSDC

Cert. No: SDC - DSI -0420

PIN: AP19110010023



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Kandregula Gauthami

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0248

PIN: AP19110020096



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Karna Niteesh

from SRM University, Andhra Pradesh

has completed Internship

on

.....Internet of things(Iot) Online internship(2021-22).....

in APSSDC

from

07-06-2021 to 06-08-2021

..... to

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0254

PIN: AP19110020107



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. KAVETI SUJITH SURYA

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

..... **to**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0226

PIN: AP19110020021



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Kavirat Vani Harshitha

from **SRM University, Andhra Pradesh**

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

..... **to**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0509

PIN: AP19110010399



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Kotapati Shyam Sundar

from SRM University

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0441

PIN: AP19110010112



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Lakkireddy Harshitha

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0411

PIN: AP19110010006



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Likhitha Parvathi Tadikonda

from SRM University

has completed Internship

on

..... Data Science Using Python Internship

in APSSDC

from

..... 07-06-2021 **to** 15-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0542

PIN: AP19110020052



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Mahesh

from SRM University

has completed Internship

on

..... Data Science Using Python Internship

in APSSDC

from

..... 07-06-2021 to 15-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0257

PIN: AP19110020128



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Mandalapu Ishwarya.....

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

..... to

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0224

PIN: AP19110020012



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Mantena Hema Harshitha

from **SRM University, Andhra Pradesh**

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No:

SDC - DSI -0418

PIN: AP19110010016



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Masoom Anas Khan

from SRM University

has completed Internship

on

..... Data Science Using Python Internship

in APSSDC

from

..... 07-06-2021 to 15-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0456

PIN: AP19110010167



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Mohammed Khizar Baig

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0295

PIN: AP19110020069



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Nalabothu Lakshmi Prasanna Kumar.....

from SRM University.....

has completed Internship

on

Internet Of Things(Iot).Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021

..... to

Dr. D.V. Rama Koti Reddy

Executive Director
APSSDC

Sri N. Bangaru Raju,

Managing Director,
APSSDC

Cert. No:

AWS-OINT-80

PIN: AP19110010161



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Nallani Jyothi Swarupa**

from **SRM University**

has completed Internship

on

..... **AWS Internship - Online**

in APSSDC

from

..... **07-06-2021** **to** **24-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0132

PIN: AP19110010288



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Nalluri Siri Krishna

from **SRM University**

has completed Internship

on

..... **Web Development using Django Internship..**

in APSSDC

from

..... **24-05-2021 to 24-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0535

PIN: AP19110010542



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Nitesh Kumar

from SRM University

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: AWS-OINT-67

PIN: AP19110010091



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Nitin Krishna Bavineni

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 **to** 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No:

AWS-OINT-65

PIN: AP19110010351



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Om Aryan Reddy

from **SRM University**

has completed Internship

on

..... **AWS Internship - Online**

in **APSSDC**

from

..... **07-06-2021 to 24-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0018

PIN: AP19110010551



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. GURRAM SAI SUSHMA

from SRM University

has completed Internship

on

..... Web Development using Django Internship

in APSSDC

from

07-06-2021 to 14-07-2021

..... to

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0247

PIN: AP19110020091



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. K.Deepika Rani

from **SRM University, Andhra Pradesh**

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0298

PIN: AP19110020057



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Damaraju Sai Anirudh

from **SRM University**

has completed Internship

on

Internet Of Things(Iot).Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021

..... **to**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0286

PIN: AP19110020113



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Ponnala Avinash Kumar

from SRM University

has completed Internship

on

Internet Of Things(Iot) Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021

..... **to**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0012

PIN: AP19110010045



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. POTTI NVSS AVINASH

from **SRM University**

has completed Internship

on

..... **Web Development using Django Internship**

in APSSDC

from

..... **07-06-2021 to 14-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0438

PIN: AP19110010109



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms.Prattipati.Manojsai.....

fromSRM University.....

has completed Internship

on

.....Data Science Using Python Internship.....

in APSSDC

from

.....07-06-2021 to 15-07-2021.....

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No:

AWS-OINT-75

PIN: AP19110010219



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Pulivarthi Sri Lakshmi

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 **to** 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0497

PIN: AP19110010346



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Pushpa Latha

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0427

PIN: AP19110010063



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Sai Savanth Kuricheti

from SRM University

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0501

PIN: AP19110010374



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



**Skill AP
APSSDC**

CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Vaishnavi Datla**

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0232

PIN: AP19110020045



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Segu Sunil Kumar

from **SRM University, Andhra Pradesh**

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

..... **to**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-Intern-094

PIN: AP19110010240



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. POPURI LAKSHMI SRAVANI

from **SRM University - AP**

has completed Internship

on

Android Application Development - Online Internship - 2021-22

in APSSDC

from

7th June 2021 to 24th July 2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0230

PIN: AP19110020039



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. SRIPATHI TIRUMALA MARUTHI

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021

.....

Dr. D.V. Rama Koti Reddy

Executive Director
APSSDC

Sri N. Bangaru Raju,

Managing Director,
APSSDC

Cert. No: SDC - DSI -0543

PIN: AP1911010183



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Tiwari Dharmesh Sharma

from SRM University

has completed Internship

on

..... **Data Science Using Python Internship**

in APSSDC

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0245

PIN: AP19110020089



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. vura sravani

from SRM University, Andhra Pradesh

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

..... 07-06-2021 **to** 06-08-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0256

PIN: AP19110020121



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Vamsidhar Vuddagiri**

from **SRM University, Andhra Pradesh**

has completed Internship

on

Internet of things(Iot) Online internship(2021-22)

in APSSDC

from

07-06-2021 to 06-08-2021
..... **to**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0288

PIN: AP19110020077



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Saptharishi Reddy.D

from **SRM University**

has completed Internship

on

Internet Of Things(Iot).Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021
.....

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0136

PIN: AP19110010410



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. CHERUKURI SRIPATHI HARSHAVARDHAN

from SRM University

has completed Internship

on

..... Web Development using Django Internship

in APSSDC

from

..... 24-05-2021 to 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0495

PIN: AP19110010324



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Kandru Prathyusha

from **SRM University**

has completed Internship

on

..... **Data Science Using Python Internship**

in **APSSDC**

from

..... **07-06-2021 to 15-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC-WDDI-0015

PIN: AP19110010056



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Vishal Chowdary peddu.....

from **SRM University**

has completed Internship

on

..... **Web Development using Django Internship..**

in **APSSDC**

from

..... **07-06-2021 to 14-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0299

PIN: AP19110020087



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Bhanu Sankar Penugonda.....

from SRM University.....

has completed Internship

on

Internet Of Things(Iot).Online Internship(2021-22)

in APSSDC

from

24-05-2021 to 31-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC/INTERN/0399

PIN: AP19110020015



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Attili Dinesh Naga Venkat

from **SRM University**

has completed Internship

on

..... **Embedded Systems Online Internship(2021-22)**

in APSSDC

from

..... **24-05-2021 to 31-07-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No: SDC - DSI -0545

PIN: AP19110010385



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Tatikonda Lakshman

from **SRM University**

has completed Internship

on

..... **Data Science Using Python**

in APSSDC

from

..... **08-June-2021 to 16-July-2021**

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC



Cert. No:

AWS-OINT-63

PIN: AP19110010181



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. ANNAPAREDDY KRISHNA TEJA

from SRM University

has completed Internship

on

..... AWS Internship - Online

in APSSDC

from

..... 07-06-2021 **to** 24-07-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju,
Managing Director,
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00026

PIN: ...AP21110020103...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. A. Phani Preethi

from **SRM University**

has completed Internship

on

..... **Embedded Systems [Online]**

in **APSSDC**

from

..... **19-06-2023** **to** **14-08-2023**




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00008

PIN: ...AP2111.0020025...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Adapa Venakata Vijay**

from **SRM University**

has completed Internship

on

..... **Embedded Systems [Online]**

in **APSSDC**

from

..... **19-06-2023** **to** **14-08-2023**




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00005

PIN: ...AP21110020013...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Akhil Mareedu**

from **SRM University**

has completed Internship

on

..... **Embedded Systems [Online]**

in **APSSDC**

from

..... **19-06-2023** **to** **14-08-2023**




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00010

PIN: ...AP21110020031...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Aravind Bhavanam

from SRM University

has completed Internship

on

..... Embedded Systems [Online]

in APSSDC

from

..... 19-06-2023 **to** 14-08-2023




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00013

PIN: ...AP21110020037...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Bommu Naga Sirini.....

from **SRM University**.....

has completed Internship

on

..... **Embedded Systems [Online]**.....

in **APSSDC**

from

..... **19-06-2023**..... **to** **14-08-2023**.....



Dr. Ravi K Gujjula
Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar
Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.
Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00002

PIN: ...AP21110020004...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Borra Venkata Siva Sai Manikanta

from SRM University

has completed Internship

on

..... Embedded Systems [Online]

in APSSDC

from

..... 19-06-2023 **to** 14-08-2023




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00017

PIN: ...AP21110020055...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Chitta Sai Pranav

from SRM University

has completed Internship

on

..... Embedded Systems [Online]

in APSSDC

from

..... 19-06-2023 **to** 14-08-2023




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00020

PIN: ...AP21110020070...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Dara Pavana Sri Praveenya.....

from SRM University.....

has completed Internship

on

..... Embedded Systems [Online].....

in APSSDC

from

..... 19-06-2023 to 14-08-2023.....



Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00007

PIN: ...AP21110020020...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Dokala Sree Vathsav**

from **SRM University**

has completed Internship

on

..... **Embedded Systems [Online]**

in **APSSDC**

from

..... **19-06-2023** **to** **14-08-2023**




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00006

PIN: ...AP21110020017...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Ghanta Tagore Gangadhar

from SRM University

has completed Internship

on

..... Embedded Systems [Online]

in APSSDC

from

..... 19-06-2023 **to** 14-08-2023



Dr. Ravi K Gujjula

Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar

Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00003

PIN: ...AP21110020005...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. K N S S Jayaram

from **SRM University**

has completed Internship

on


..... **Embedded Systems [Online]**

in **APSSDC**

from

..... **19-06-2023** **to** **14-08-2023**




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00012

PIN: ...AP21110020034...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Katta Trinadh Sundar

from **SRM University**

has completed Internship

on

..... **Embedded Systems [Online]**

in **APSSDC**

from

..... **19-06-2023** **to** **14-08-2023**




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00021

PIN: ...AP21110020071...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Lashya Subudhi

from SRM University

has completed Internship

on

..... Embedded Systems [Online]

in APSSDC

from

..... 19-06-2023 **to** 14-08-2023



Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.:SDC/23-24/ESINTERN/00022

PIN: ...AP21110020076...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Md Irfan Khan

from SRM University

has completed Internship

on

..... Embedded Systems [Online]

in **APSSDC**

from

..... 19-06-2023 **to** 14-08-2023



Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00030

PIN: ...AP21110020032...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. N Leela Phanesh

from SRM University

has completed Internship

on

..... Embedded Systems [Online]

in APSSDC

from

..... 19-06-2023 **to** 14-08-2023



Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.:SDC/23-24/ESINTERN/00009

PIN: ...AP21110020026...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Nallam Tejasri Veda**

from **SRM University**

has completed Internship

on

..... **Embedded Systems [Online]**

in **APSSDC**

from

..... **19-06-2023** **to** **14-08-2023**




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00019

PIN: ...AP21110020068...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. **Nikhil Nimmagadda**

from **SRM University**

has completed Internship

on

..... **Embedded Systems [Online]**

in **APSSDC**

from

..... **19-06-2023** **to** **14-08-2023**



Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00001

PIN: ...AP21110020002...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Nimmagadda Murali Krishna

from SRM University

has completed Internship

on

..... Embedded Systems [Online]

in APSSDC

from

..... 19-06-2023 **to** 14-08-2023



Dr. Ravi K Gujjula

Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar

Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00025

PIN: ...AP21110020100...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. P Sharmila

from **SRM University**

has completed Internship

on

..... **Embedded Systems [Online]**

in **APSSDC**

from

..... **19-06-2023** **to** **14-08-2023**




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00018

PIN: ...AP21110020063...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Potti Indra Sneha Sri

from SRM University

has completed Internship

on

..... Embedded Systems [Online]

in APSSDC

from

..... 19-06-2023 **to** 14-08-2023




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00014

PIN: ...AP21110020038...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Puneeth Yekkiseti

from SRM University

has completed Internship

on

..... Embedded Systems [Online]

in APSSDC

from

..... 19-06-2023 **to** 14-08-2023



Dr. Ravi K Gujjula

Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar

Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00027

PIN: ...AP21110020104...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. R Vishala

from SRM University

has completed Internship

on

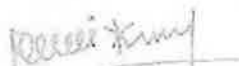
..... Embedded Systems [Online]

in APSSDC

from

..... 19-06-2023 **to** 14-08-2023




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00004

PIN: ...AP21110020006...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Rohitha Yelama

from **SRM University**

has completed Internship

on

..... **Embedded Systems [Online]**

in **APSSDC**


from

..... **19-06-2023** **to** **14-08-2023**




Dr. Ravi K Gujjula
Chief General Manager,
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Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00024

PIN: ...AP21110020079...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Sonia Palthiya

from **SRM University**

has completed Internship

on

..... **Embedded Systems [Online]**

in **APSSDC**

from

..... **19-06-2023** **to** **14-08-2023**



Dr. Ravi K Gujjula

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Chief General Manager,
APSSDC

Sri K. Dinesh Kumar

Sri K. Dinesh Kumar
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Dr. Vinod Kumar.V, I.A.S.

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.:SDC/23-24/ESINTERN/00023

PIN: ...AP21110020077...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Tarunya Guduru.....

from **SRM University**.....

has completed Internship

on

..... **Embedded Systems [Online]**.....

in **APSSDC**

from

..... **19-06-2023**..... **to** **14-08-2023**.....



Dr. Ravi K Gujjula

Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar

Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00016

PIN: ...AP21110020049...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Vedajhna Mahalakshimi

from **SRM University**

has completed Internship

on

..... **Embedded Systems [Online]**

in **APSSDC**

from

..... **19-06-2023** **to** **14-08-2023**



Dr. Ravi K Gujjula
Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar
Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.
Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00015

PIN: ...AP21110020043...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Venkata Siva Nagalakshmi

from SRM University

has completed Internship

on

..... Embedded Systems [Online]

in APSSDC

from

..... 19-06-2023 **to** 14-08-2023



Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.:SDC/23-24/ESINTERN/00028

PIN: ...AP21110020116...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Vennela Gogula.....

from **SRM University**.....

has completed Internship

on

..... **Embedded Systems [Online]**.....

in **APSSDC**

from

..... **19-06-2023**..... **to** **14-08-2023**.....



Dr. Ravi K Gujjula

Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar

Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00011

PIN: ...AP21110020033...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Vignesh Yalala

from **SRM University**

has completed Internship

on

..... **Embedded Systems [Online]**

in **APSSDC**

from

..... **19-06-2023** **to** **14-08-2023**



Dr. Ravi K Gujjula

Dr. Ravi K Gujjula
Chief General Manager,
APSSDC

Sri K. Dinesh Kumar

Sri K. Dinesh Kumar
Executive Director
APSSDC

Dr. Vinod Kumar.V, I.A.S.

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

Cert. No.: SDC/23-24/ESINTERN/00029

PIN: ...AP21110020120...



**ANDHRA PRADESH STATE
SKILL DEVELOPMENT CORPORATION**



CERTIFICATE FOR INTERNSHIP

This is to certify that

Mr/Ms. Vinod Bochu

from SRM University

has completed Internship

on

..... Embedded Systems [Online]

in APSSDC

from

..... 19-06-2023 to 14-08-2023




Dr. Ravi K Gujjula
Chief General Manager,
APSSDC


Sri K. Dinesh Kumar
Executive Director
APSSDC


Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC

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VISITING RESEARCHER AGREEMENT

BETWEEN THE UNDERSIGNED:

Institut Pasteur,

Non-profit foundation with recognized charitable status,
With registered office located at 25-28, rue du Docteur Roux, 75015, Paris,
Registered under APE Code 7219Z, SIRET No. 775.684.897.000.17,
Contributing to Paris URSSAF under No. 757.71.0317932.002.011,
Represented by Mr. Stewart COLE as General Director,
And, by delegation, by Mrs. Odile HERMABESSIERE, as Human Resources Director,

Hereinafter called "Institut Pasteur",

On the one hand,

AND:

SRM University, AP Amaravati,

With registered office located in Neerukonda, Mangalagiri Mandal, Andhra Pradesh 522502, INDIA
Represented by Jamshed BHARUCHA, Vice Chancellor,

Hereinafter called "University",

On the other hand.

Institut Pasteur and the Institution may also be referred to individually as a "Party" or collectively as the "Parties".

THE PARTIES AGREE AS FOLLOWS:

Article 1. Purpose of the Agreement

The purpose of this Visiting Researcher Agreement (hereinafter called "Agreement") is to set forth the terms and conditions on which Mr Manjunatha THONDAMAL employed by the Institution (hereinafter called "Employee"), shall be hosted at Institut Pasteur in the Biologie Mitochondriale unit headed by Mr Timothy WAI (hereinafter called "Head of Unit") and under his scientific supervision.

The subject matter of the Employee's research at Institut Pasteur is "investigating the role of mitochondrial morphology regulators in c.elegans" (hereinafter called "Project").

Article 2. Duration of stay

The Employee shall be hosted at Institut Pasteur from 7th October 2019 to 31st January 2020. The stay of the Employee may be extended by written amendment signed by both Parties.

It is understood that the effective date of arrival of the Employee at Institut Pasteur is subject to the completion of all the administrative procedures required by French law.

Article 3. Hosting terms

3.1. During the period of stay indicated in Article 2, the Employee shall remain employed by the Institution and shall not be considered as a full-time or part-time employee of Institut Pasteur. Therefore, the Employee shall be ineligible for any benefits accruing to Institut Pasteur's employees, including, but not limited to, Workers' compensation, Social Security, health insurance and other insurances, vacation pay, sick leave, or paid holidays.

As an employee of the Institution, the Employee remains entitled to all benefits granted by the Institution. The Institution ensures its Employee has sufficient resources for the entire duration of his stay at Institut Pasteur.

3.2. The Institution fulfils the social and fiscal obligations arising from the performance of the employment contract entered into with the Employee, in particular with regard to work accidents and occupational diseases.

In the event of occupational injury while the Employee is hosted at Institut Pasteur or on his way to Institut Pasteur, the latter shall inform a representative of the Institution within 48 hours of the event.

3.3. During the period of stay, the Institution must be informed by the Employee of any of his absences, irrespective of their grounds for any reason (illness, exceptional leave, paid leave, etc.).

Institut Pasteur and the Employee shall notify the Institution several working days in advance of any need for the Employee to work outside its premises (specifying the dates and places), so that the Institution can consider such request and provide its consent or lack thereof in writing to Institut Pasteur.

3.4. The Employee shall comply with all internal regulations regarding work organisation, working hours, hygiene, security, and safety, as well as, when applicable, provisions regarding bioethics.

3.5. Upon arrival, the Employee will receive a personal and non transferrable access badge, which must be returned to Institut Pasteur at the end of his stay. Institut Pasteur reserves the right to deactivate the badge at any time. Failure to comply with obligations set forth under this Article could lead to termination of this Agreement.

3.6. During the period of stay, the Employee undertakes not to assist, in any form whatsoever, a company or a private or public entity likely to exploit or use the knowledge, results and/or materials of Institut Pasteur or that has entered into agreements with Institut Pasteur or is in the process of negotiating with Institut Pasteur, without prior written authorisation of Institut Pasteur and the Institution which will set its terms and limits.

3.7. The Employee ensures not to enter into conflict with the interests of Institut Pasteur.

3.8. On his effective date of departure, the Employee shall return to the Head of Unit all materials and equipment belonging to Institut Pasteur which may have been lent to him during his stay at Institut Pasteur.

Article 4. Insurance and Liability

4.1. During his stay at Institut Pasteur, the Employee shall remain covered by professional civil liability, physical injury, medical and repatriation insurances and provide proof of these coverages to Institut Pasteur Human Resources Department before his arrival in Institut Pasteur premises.

4.2. The Institution shall be held responsible for the acts and omissions of the Employee relating to this Agreement provided that the Employee's acts and omissions were in the course of carrying out specific written instructions or orders of the Institution. For the avoidance of doubt, the Institution shall not be liable in any manner whatsoever if any loss and damage is caused by the Employee as far as such loss and damage is caused by an attributable default or wrongful act of Institut Pasteur.

Article 5. Intellectual Property

5.1. Each Party remains the sole owner of (i) any and all of its knowledge, discoveries, inventions, biological or chemical materials, know-how, data, databases, software, experimental models, methods, etc., whether patented or not, patentable or not (hereinafter referred to as "Background IP"), that were generated before the effective date of this Agreement, as well as of (ii) any and all Background IP generated after the effective date of this Agreement, in parallel of and without reference to the work performed under this Agreement. Subject to the provisions contained herein, no right or license on the Background IP of a Party is granted to the other Party pursuant to this Agreement.

5.2. Results generated by the Employee alone, in the scope of this Agreement, shall be co-owned by Institut Pasteur and the Institution. The ownership on said results shall be shared based on the following principles:

- 25% granted to Institut Pasteur in consideration for the hosting of the result's realisation, and
- 75% granted to the Institution as employer of the Employee.

5.3. If the Employee were to generate a result jointly with some personnel of Institut Pasteur, of the Institution or of a third party, the ownership of such result shall be shared based on the following principles:

- 25% granted to Institut Pasteur in consideration for the hosting of the result's realization, and
- 75% shared on the basis of each co-inventor's inventive contribution percentage.

5.4. If the Employee were to generate a result or participate in the realisation of a result, the Employee commits to inform in the shortest delay Institut Pasteur's "Service des Brevets et Inventions" (SBI). As such, the Employee shall submit to the SBI a declaration of invention (DI), whose template is available on Institut Pasteur's intranet, and send it by email to: sbi@pasteur.fr, together with a technical note on the result. The Employee shall also hand on the original paper version of same, signed by every inventor, to the SBI.

The Employee also commits to inform the relevant service at the Institution in the shortest delay.

The SBI and the relevant service at the Institution shall contact each other in writing as soon as possible in order to discuss potential patent applications on the co-owned results, or any other mean to protect them.

The Parties shall discuss the modalities of protection and exploitation of the results and a co-ownership agreement shall be executed between all co-owners in the shortest delay, and in any case before any industrial or commercial exploitation of the results.

5.5. The Employee pledges not to take any clinical sample or material or data out of Institut Pasteur without the written approval of the Head of Unit and the signature of an appropriate material transfer agreement or other appropriate agreement between Institut Pasteur and the Institution. The Employee also pledges not to bring any clinical sample or material or data into Institut Pasteur from the Institution without the written approval of the Institution and the signature of an appropriate material transfer agreement or other appropriate agreement between the Institution and Institut Pasteur.

5.6. The Parties are forbidden to use the other Party's names, logos or trademarks without such other Party's prior written consent.

5.7. The provisions of the present article shall be made known to the Employee by the Institution as the Employee's employer, and shall remain in force for the duration of this Agreement and thereafter for the entire duration of the concerned rights.

Article 6. Confidentiality

6.1. The confidential information, defined hereafter as "Confidential Information", shall encompass any and all scientific, technical, medical, or other type of information, whatever their format or medium, in particular and without limitation, any and all data, know-how, Background IP, knowledge, compilation, method, formula, structure of compound, model, unpublished patent application, discovery, process, protocol, test result, specification, claim, strategy or technique, whether in tangible or intangible format, any document, drawing, report, release made directly or indirectly by a Party to the other Party, or of which a Party might become aware due to its personnel's presence within the other Party's premises, in the Scope of this Agreement. Confidential Information includes the results of any work done during the Employee's hosting at Institut Pasteur.

6.2. Each Party shall keep in the strictest confidence the Confidential Information of the other Party, and in particular (i) not publish or disclose to third parties, in whole or in part, directly or indirectly, in any format, without the prior consent of the Party from which the Confidential Information originates and (ii) take all reasonable measures in order to prevent from and protect against theft and any unauthorized copy, reproduction or use, disclosure, spreading. The Confidential Information disclosed by a Party to the other Party remains at all time the property of the Party from which such Confidential Information originates.

6.3. Each Party warrants that it will only use the other Party's Confidential Information for the purpose of this Agreement, in compliance with such Agreement and in good faith. This Agreement shall not be interpreted as granting to a Party any authorization or right on the other Party's Confidential Information. Therefore, each Party warrants to not acquire, claim or use intellectual property rights on whole or part of the other Party's Confidential Information.

6.4. Each Party warrants to limit access to the Confidential Information to their sole directors, employees, students, agents, and/or consultants (hereunder referred to as "Personnel") directly concerned by the Agreement and only to the extent such access is needed to perform their tasks.

The Personnel shall be bound by obligations of confidentiality and non-use equivalent to those of this Article 6. Each Party will be directly responsible for any unauthorized disclosure of the other Party's Confidential Information by its Personnel.

It is expressly agreed that as for Institut Pasteur, the Personnel might also include employees of academic research institutions, whether public or private entities, hosted to work on a regular basis within Institut Pasteur's teams (whether as part of a mixed research unit or under secondment agreement or any other contractual arrangements).

6.5. The confidentiality and non-use obligations shall not apply to any information that the receiving Party can demonstrate in writing:

- a) was in the public domain at the time of disclosure,
- b) was acquired by the receiving Party before the date of disclosure,
- c) was made accessible to the public after the date of disclosure, without violation of this Agreement,
- d) was rightfully acquired from a Third Party after the time of disclosure, such Third Party having the right to make such disclosure,
- e) was independently developed by the receiving Party without any use of or any reference to the Confidential Information provided by the disclosing Party.

6.6. If the receiving Party is required by law or regulation or any judicial, administrative or other legal process to disclose the other Party's Confidential Information, it will promptly notify said other Party and allow it reasonable time to protect its Confidential Information. The receiving Party undertakes to make its best efforts to limit any disclosure of the other Party's Confidential Information to what is strictly necessary to comply with the applicable law, order, or regulation.

6.7. Each Party warrants it will stop any and all use of the other Party's Confidential Information upon expiration or termination of this Agreement, or at any time upon request of the Party from which the Confidential Information originates. Any medium on which the Confidential Information are recorded shall be destroyed or returned to the Party from which the Confidential Information originates within thirty (30) days, to the exception of one (1) archival copy that may be kept by the receiving Party, always subject to confidentiality and non-use obligations therein.

6.8. The provisions of the present Article 6 shall remain in full force and effect after expiration or termination of this Agreement for a period of five (5) years. Notwithstanding the foregoing, in the case of Confidential Information constituting know-how (such as, without limitation, unpublished methodologies, techniques, operating modes or process), these provisions shall remain in full force and effect until such know-how is made public by the Party from which it originates.

Article 7. Publication

7.1. Any presentation or publication pertaining to (i) the work performed and/or (ii) the results obtained, by the Employee, in the scope of this Agreement, shall be subject to prior written approval from Institut Pasteur. The Institution shall provide a copy of the presentation or publication's project to Institut Pasteur at least sixty (60) days prior to submission of the project to the publisher.

The case being, Institut Pasteur may require the modification of the presentation or publication and/or require to delay the presentation or publication, for a period up to three (3) months from the sending a written request, in order to obtain the deletion of Confidential Information or safeguard its scientific and economical assets, in particular to protect its Background IP or exploitable results.

The final texts shall be approved by Institut Pasteur in the above-mentioned conditions before being sent to the publisher.

Without prejudice of the confidentiality obligations set forth at Article 6, the present Article 7.1 shall remain in full force and effect for twelve (12) months after termination or expiration of this Agreement.

7.2. The contribution of each Party shall be mentioned in all presentation or publication related to the present Agreement, whether made during this Agreement or after its expiration or termination, according to standards and customs.

Article 7. Term and Termination

7.1. Notwithstanding its signature by the Parties, this Agreement shall be effective from 7th October 2019 to 31th January 2020. This Agreement may be renewable only by written amendment signed by both Parties.

7.2. Institut Pasteur may terminate the present Agreement at its sole discretion if the Employee violates Institut Pasteur's rules and internal regulations. In this case, Institut Pasteur must immediately inform the Institution and specify the reasons for the termination.

7.3. The present Agreement may be terminated in the event of termination of the Employee's employment contract with the Institution and/or in the event either Party commits any breach of its obligation under the Agreement and fails to remedy within a period of fifteen (15) days after receipt of a notification sent by registered letter with acknowledgement of receipt setting out the breach. The other Party shall be able to terminate this Agreement without prejudice to any other rights. The termination does not exempt the defaulting Party from meeting its obligations under this Agreement until the date on which the said termination comes into effect.

7.4. Provisions under Articles 4.2, 5, 6, 7.4, 8 and 9 shall survive in the event of termination of this Agreement, for any reason whatsoever.

Article 8. Miscellaneous

8.1. Nothing in this Agreement shall be deemed to create a partnership or agency or any formal business organization or legal entity among the Parties.

8.2. This Agreement represents the Parties' full intentions concerning matters relating to the Agreement. Any modification of this Agreement must be made in writing and signed by both Parties. Should any of the provisions become null and void or unenforceable, the other terms and conditions of the Agreement shall be unaffected and shall remain valid and enforceable, unless a substantial purpose of the Agreement is materially affected, in which case the Parties will meet to work out a reasonable resolution.

8.3. This Agreement supersedes any and all prior agreements, or understandings, whether oral or written, concerning matters relating to the Agreement. This Agreement may be signed in counterparts, each of which shall be an original with the same effect as if the signatures were on the same instrument.

Article 9. Governing law – Settlement of disputes

9.1. This Agreement shall be governed by and construed in accordance with the laws of France.

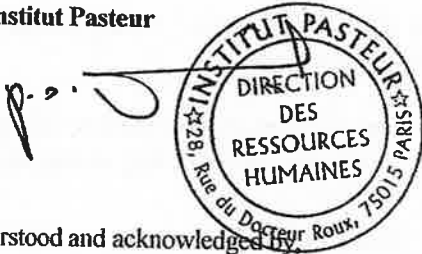
9.2. Any dispute, controversy or claim arising out or relating to this Agreement shall be settled by the Parties' respective representatives.

9.3. In case of persisting disagreement between the Parties, the dispute shall be subject to the exclusive jurisdiction of the French courts.

Paris, on 09/08/2019

In two (2) counterparts (one for each of the Party),

(* Institut Pasteur



Understood and acknowledged by:

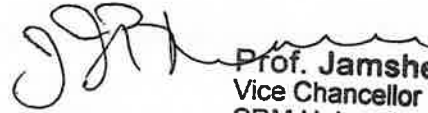
Manjunatha THONDAMAL



16/08/2019

Manjunatha THONDAMAL

read and approved; good for agreement



Prof. Jamshed Bharucha
Vice Chancellor

(* SRM University, AP Amaravati
SRM University-AP, Amaravati
Nellore, Guntur (Dt),
Andhra Pradesh, India-522 502.

JAMSHED BHARUCHA

read and approved; good for agreement.

(*) Stamp and signature must be preceded by handwritten names and the following confirmation: "read and approved; good for agreement".

EU SERB ERC Implementing Agreement

Beneficiary: Manjunatha Thondamal, PhD

Participating Institutes: SRM University AP, India

Pasteur Institute, Paris, France

Visiting Period: September 2019 to January 2020

Summary on the visit and outcomes:

Under the implementing agreement between EU and SERB, Dr. Thondamal visited Dr. Timothy Wai laboratory at Pasteur Institute as Visiting Research Scientist and spent 5 months in Dr. Wai lab. The collaboration work mainly aimed at understanding the mechanisms of mitochondrial dynamics in the process of aging.

Mitochondria are the dynamic double membrane-bound cell organelles that control the process of apoptosis and cellular ageing. The role of mitochondria comes into play during the process of energy homeostasis. Mitochondria produces the usable form of energy termed Adenosine triphosphate (ATP). The morphology and function of the mitochondria vary within cells and tissues. The mitochondrial dynamics involving a continuous transition between the fission and fusion process helps in the maintenance of a healthy mitochondrial population in a cell. Mitochondrial fusion, fission and mitophagy form an essential axis of mitochondrial quality control. Mitochondria remain fragmented in the nutrient-rich medium and connected in the nutrient-deprived medium. Hence it can be concluded that the bioenergetics of cell shapes the mitochondrial architecture.



Fig. 1: Depletion of *eat-3*/OPA1 results in mitochondrial fragmentation.

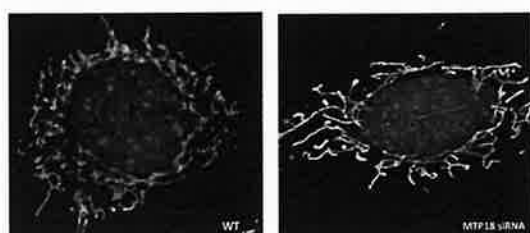


Fig. 2. Depletion of MTP18 in MEFs increased the mitochondrial fusion.

This collaboration work aims in the direction of characterization of genes involved in mitochondrial dynamics and the metabolic pathways that drive the change in mitochondrial morphology. Recent studies have shown that an increase in mitochondrial fission leads to cardiac failure in mice which provides the link between mitochondrial dynamics and metabolism. To understand the mitochondrial dynamics, we concentrated on the least explored mitochondrial inner membrane fusion protein OPA 1 (Fig. 1) and inner membrane protein MTP 18 which plays a major role in the mitochondrial fission (Fig. 2). We hope to understand the metabolic pathways that control mitochondrial dynamics by the use of above-mentioned genes.

Outcomes: We created CRISPR CAS mediated mtp-18 knock out *C. elegans* strains and studied the effect of loss of function of this gene in the process of aging and health. We found that mtp-18 inactivation resulted in increase in the lifespan in *C. elegans*. Also, the nematodes with loss of function of mtp-18 displayed higher resistance to oxidative stress.

- A PhD student Ms. Jyothi Priyanka is working on elucidating the role of mtp-18 in *C. elegans* lifespan and healthspan. She is in the final stages of her thesis and expected to complete her thesis by May 2024.
- A manuscript on “Loss of mitochondrial fission process protein MTP-18 in *C. elegans* extends lifespan and protects from oxidative stress” is under final preparation.



Memorandum of Agreement (MOA)
Between
Electronics Corporation of India Limited, Computer Education Division
(A Govt. of India Enterprise)
And
(SRM University, Amaravati, AP)

This Memorandum of Agreement is entered into on this the **05th day of February, 2019** between **ECIL – CED (A Govt. of India Enterprise)**, ECIL Post, Guest House Complex, Hyderabad – 500 062

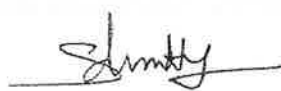
And

SRM University, Amaravati, AP established under **Andhra Pradesh Private University (Establishment and Regulations) Act 2016**, located in Neerukonda, Magalagiri Road, Guntur – District, Andhra Pradesh -522503.

Terms and Conditions of the MOA are as under:


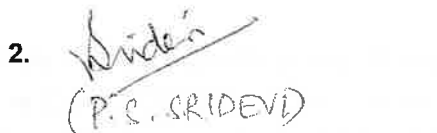
1. The above project training will be conducted by ECIL-CED. ECIL-CED shall supply Project Kits and conduct classes for providing training to the students of **B.Tech – CSE, ECE and EEE** as part of their curriculum. The students will be allowed to choose the projects from the list of courses provided by ECIL-CED.
2. Necessary documentation soft copy regarding the projects will be provided by ECIL-CED which will be discussed with the HoD of the Department before the start of project work.
3. The Project training will be conducted in batches and the number of batches and the number of students per batch will be mutually discussed before providing the project training. ECIL-CED will provide for each batch complete hardware and software to enable the students to understand the functions of all components, make them assemble the hardware, develop codes etc., test and execute the project.
4. The cost of the training depends upon the Projects chosen by the students and duration of the project which will be mutually decided by ECIL-CED and the university. The cost of training and the cost of kits as applicable required for the project has to be paid by each student.

5. **Minimum 50 students from each Branch** to be deputed for Project Training.
6. ECIL-CED will conduct **project viva for the students at the end of the session** to assess the suitability and project knowledge acquaintance.
7. After satisfactory completion of projects by the **student's certificates will be issued to the individual students** by ECIL-CED.
8. **Terms of Payment:** 100% payment of project training cost and also the cost of kits as applicable, should be paid by each student to ECIL-CED at the time of enrolment for the project training.
9. Any other programs during the MoA period will be mutually discussed by the parties and finalized.
10. In case of **any misunderstanding** that may arise in respect of this MoA shall be referred to Incharge - CED for amicable settlement. Failing to arrive such an amicable settlement, the disputes remain unsettled if any, shall be referred to Director (Personnel), ECIL whose decision shall be final and binding.
11. **Validity:** This MoA is valid for a **period of Two years** from the date of signing of MoA and it can be renewal with mutual understanding.
12. **Termination:** This MoA is liable to be terminated subject to issue of notice by ECIL- CED or Party, if both the parties fails in respect of any of conditions contained in this agreement.



INCHARGE: CED.
SRIDHARA SHETTY
 Incharge, CED,
 ECIL, HYDERABAD-500 062

WITNESSES:

1. 
2. 
 (P.S. SRIDEVI)







Registrar

SRM University, Amaravati, AP

Dr D Gunasekaran
 Registrar
 SRM University - AP
 Amaravati, Guntur (C
 Pradesh- 52

WITNESSES:

1.  (G. SUNIL)
 Sr. Manager - IR & P, SRM - AP.
2. 
 (R. Sreedharani)
 Off. Manager - IR & P - SRM - AP

SRMAP/CR&CS/7

11-01-2021

The Head – CED,
 ECIL,
 Guest House Complex,
 ECIL Post
 Hyderabad-500062

Dear Sir/Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!

SRM University – AP, Amravati focuses on quality teaching and carry out research in front – line and emerging areas of Engineering and Technology, Science and Humanities, Medical and Health Sciences, Management and Law. The University has got an international advisory board and it follows the syllabus of M.I.T.x getting faculty members from Stanford, U.C. Berkeley, Cambridge and N.U.S.

It is our endeavour to have effective industry-institute interaction whereby the students are exposed to the practical nuances through project Internship in organization of repute like yours. This in plant training / internship is a part of our Curriculum.

We request that the below mentioned B.Tech 3rd year student(s) may be accorded permission to do Internship from 18th JAN 2021 TO 18th FEB 2021 in your esteemed organization.

Sl.No	Registration No	Name of The Student	DEGREE	DEPRTMENT	YEAR
1	AP18110020124	Ch.Preethi Rasagna	B.TECH	ECE	2020-2021
2	AP18110020106	A.Sathwika	B.TECH	ECE	2020-2021
3	AP18110020107	N.Lavanya	B.TECH	ECE	2020-2021
4	AP18110020128	T.Amrutha	B.TECH	ECE	2020-2021
5	AP18110020137	K.Jaya Krishna	B.TECH	ECE	2020-2021

We thank you in anticipation.


 PLACEMENT OFFICER
 SRM UNIVERSITY AP
 AMARAVATI

SRMAP/CR&CS/8

12-01-2021

The Head – CED,
 ECIL,
 Guest House Complex,
 ECIL Post
 Hyderabad-500062

Dear Sir/Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!

SRM University – AP, Amaravati focuses on quality teaching and carry out research in front – line and emerging areas of Engineering and Technology, Science and Humanities, Medical and Health Sciences, Management and Law. The University has got an international advisory board and it follows the syllabus of M.I.T.x getting faculty members from Stanford, U.C. Berkeley, Cambridge and N.U.S.

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We request that the below mentioned B. Tech 3rd year student(s) may be accorded permission to do Internship from 18th JAN 2021 TO 18th FEB 2021 in your esteemed organization.

Sl.No	Registration No	Name of The Student	DEGREE	DEPRTMENT	YEAR
1	AP18110020184	V.KOUNDINYA	B.TECH	ECE	2020-2021
2	AP18110020164	P.JITHENDRA	B.TECH	ECE	2020-2021
3	AP18110020168	A.ROHITH KUMAR	B.TECH	ECE	2020-2021
4	AP18110020174	CH.SAI NIVED	B.TECH	ECE	2020-2021
5	AP18110020192	D.JAYANTH SAI KUMAR	B.TECH	ECE	2020-2021

We thank you in anticipation.


 PLACEMENT OFFICER



SRMAP/CR&CS/9

12-01-2021

The Head – CED,
ECIL,
Guest House Complex,
ECIL Post
Hyderabad-500062

Dear Sir/Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!

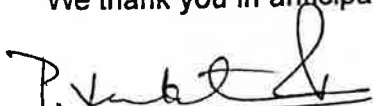
SRM University – AP, Amaravati focuses on quality teaching and carry out research in front – line and emerging areas of Engineering and Technology, Science and Humanities, Medical and Health Sciences, Management and Law. The University has got an international advisory board and it follows the syllabus of M.I.T.x getting faculty members from Stanford, U.C. Berkeley, Cambridge and N.U.S.

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We request that the below mentioned B. Tech 3rd year student(s) may be accorded permission to do Internship from 18th JAN 2021 TO 18th FEB 2021 in your esteemed organization.

Sl.No	Registration No	Name of The Student	DEGREE	DEPRTMENT	YEAR
1	AP18110020149	P. NIKHILA	B.TECH	ECE	2020-2021
2	AP18110020176	Ch. ALELKHA	B.TECH	ECE	2020-2021
3	AP18110020137	K. JAYA KRISHAN SAI	B.TECH	ECE	2020-2021

We thank you in anticipation.


PLACEMENT OFFICER



SRMAP/CR&CS/10

22-01-2021

The Head – CED,
 ECIL,
 Guest House Complex,
 ECIL Post
 Hyderabad-500062

Dear Sir/Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!

SRM University – AP, Amaravati focuses on quality teaching and carry out research in front – line and emerging areas of Engineering and Technology, Science and Humanities, Medical and Health Sciences, Management and Law. The University has got an international advisory board and it follows the syllabus of M.I.T.x getting faculty members from Stanford, U.C. Berkeley, Cambridge and N.U.S.

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We request that the below mentioned B. Tech 3rd year student(s) may be accorded permission to do Internship from **JAN 2021 TO FEB 2021** in your esteemed organization.

Sl.No	Registration No	Name of The Student	DEGREE	DEPARTMENT	YEAR
1	AP18110020034	G. VINDHYA	B.TECH	ECE	2020-2021
2	AP18110020044	E. BHAVYA	B.TECH	ECE	2020-2021
3	AP18110020045	J. LIKHITHA	B.TECH	ECE	2020-2021
4	AP18110020116	G. MAHALAKSHMI	B.TECH	ECE	2020-2021
5	AP18110020113	K. LAYA	B.TECH	ECE	2020-2021
6	AP18110020098	V. POOJITHA	B. TECH	ECE	2020-2021

We thank you in anticipation.


 PLACEMENT OFFICER


SRMAP/CR&CS/11

22-01-2021

The Head – CED,
ECIL,
Guest House Complex,
ECIL Post
Hyderabad-500062

Dear Sir/Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!

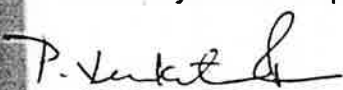
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We request that the below mentioned B. Tech 3rd year student(s) may be accorded permission to do Internship from **JAN 2021 TO FEB 2021** in your esteemed organization.

Sl.No	Registration No	Name of The Student	DEGREE	DEPRTMENT	YEAR
1	AP18110020027	A. SAI MOUNIKA	B.TECH	ECE	2020-2021
2	AP18110020035	A. KYATHI	B.TECH	ECE	2020-2021
3	AP18110020049	T. SRAVANI RATNA	B.TECH	ECE	2020-2021
4	AP18110020064	G. KAVYA SRI	B.TECH	ECE	2020-2021
5	AP18110020058	GURRAM SRAVYA	B.TECH	ECE	2020-2021
6	AP18110020062	TUMMA GIRIJA SHANKAR	B. TECH	ECE	2020-2021
7	AP18110020134	SHAIK HANEESA	B. TECH	ECE	2020-2021

We thank you in anticipation.



PLACEMENT OFFICER



SRMAP/CR&CS/12

22-01-2021

The Head – CED,
ECIL,
Guest House Complex,
ECIL Post
Hyderabad-500062

Dear Sir/Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!

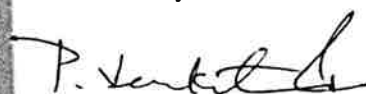
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We request that the below mentioned B. Tech 3rd year student(s) may be accorded permission to do Internship from **JAN 2021 TO FEB 2021** in your esteemed organization.

Sl.No	Registration No	Name of The Student	DEGREE	DEPRTMENT	YEAR
1	AP18110020037	AYESHA SAMEER SHEIKH	B.TECH	ECE	2020-2021
2	AP18110020088	CH. TARAKA SAI TANISHQ	B.TECH	ECE	2020-2021
3	AP18110020029	K. JYOTHI	B.TECH	ECE	2020-2021
4	AP18110020057	K. SAI SADHANA	B.TECH	ECE	2020-2021
5	AP18110020068	CH. RAJESH	B.TECH	ECE	2020-2021
6	AP18110020036	G. SIDHARDHA	B.TECH	ECE	2020-2021
7	AP18110020003	A. VENKATA SAI TARUN	B.TECH	ECE	2020-2021

We thank you in anticipation.


PLACEMENT OFFICER



SRMAP/CR&CS/13

22-01-2021

The Head – CED,
ECIL,
Guest House Complex,
ECIL Post
Hyderabad-500062

Dear Sir/Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!

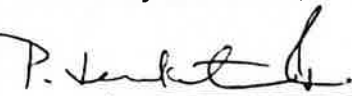
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We request that the below mentioned B. Tech 3rd year student(s) may be accorded permission to do Internship from **JAN 2021 TO FEB 2021** in your esteemed organization.

Sl.No	Registration No	Name of The Student	DEGREE	DEPRTMENT	YEAR
1	AP18110020022	CH. HARSHA VARDHAN REDDY	B.TECH	ECE	2020-2021
2	AP18110020017	A. VIJAY ANIRUDH	B.TECH	ECE	2020-2021

We thank you in anticipation.


PLACEMENT OFFICER

SRMAP/CR&CS/14

22-01-2021

The Head – CED,
 ECIL,
 Guest House Complex,
 ECIL Post
 Hyderabad-500062

Dear Sir/Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!


SRM University – AP, Amaravati focuses on quality teaching and carry out research in front – line and emerging areas of Engineering and Technology, Science and Humanities, Medical and Health Sciences, Management and Law. The University has got an international advisory board and it follows the syllabus of M.I.T.x getting faculty members from Stanford, U.C. Berkeley, Cambridge and N.U.S.

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We request that the below mentioned B. Tech 3rd year student(s) may be accorded permission to do Internship from **JAN 2021 TO FEB 2021** in your esteemed organization.

Sl.No	Registration No	Name of The Student	DEGREE	DEPARTMENT	YEAR
1	AP18110020112	BHARGAVI SIDDINENI	B.TECH	ECE	2020-2021
2	AP18110020072	JAYANTH SATYANARAYANA	B.TECH	ECE	2020-2021
3	AP18110020125	RAYAPATI NANDITHA	B.TECH	ECE	2020-2021
4	AP18110020026	SYED SUMAIAH	B.TECH	ECE	2020-2021

We thank you in anticipation.


 PLACEMENT OFFICER



SRMAP/CR&CS/19

23-01-2021

The Head – CED,
 ECIL,
 Guest House Complex,
 ECIL Post
 Hyderabad-500062

Dear Sir/Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!

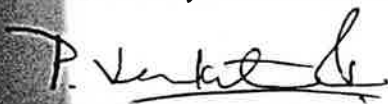
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We request that the below mentioned B. Tech 3rd year student(s) may be accorded permission to do Internship from **JAN 2021 TO FEB 2021** in your esteemed organization.

Sl.No	Registration No	Name of The Student	DEGREE	DEPRTMENT	YEAR
1	AP18110020145	V. NAGA SOWMYA	B.TECH	ECE	2020-2021
2	AP18110020182	G. SRAVANI	B.TECH	ECE	2020-2021
3	AP18110010561	J. SWAPNA	B.TECH	CSE	2020-2021
4	AP18110010559	K. SRIJA	B.TECH	CSE	2020-2021
5	AP18110010587	A. SASI LAVANYA	B.TECH	CSE	2020-2021
6	AP18110020110	R. PHANITEJA	B.TECH	ECE	2020-2021
7	AP18110020073	G. DINKU DWIJESH	B.TECH	ECE	2020-2021

We thank you in anticipation.


 PLACEMENT OFFICER



SRMAP/CR&CS/20

25-01-2021

The Head – CED,
 ECIL,
 Guest House Complex,
 ECIL Post
 Hyderabad-500062

Dear Sir/Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!

SRM University – AP, Amaravati focuses on quality teaching and carry out research in front – line and emerging areas of Engineering and Technology, Science and Humanities, Medical and Health Sciences, Management and Law. The University has got an international advisory board and it follows the syllabus of M.I.T.x getting faculty members from Stanford, U.C. Berkeley, Cambridge and N.U.S.

It is our endeavour to have effective industry-institute interaction whereby the students are exposed to the practical nuances through project Internship in organization of repute like yours. This in plant training / internship is a part of our Curriculum.

We request that the below mentioned B. Tech 3rd year student(s) may be accorded permission to do Internship from **JAN 2021 TO FEB 2021** in your esteemed organization.

Sl.No	Registration No	Name of The Student	DEGREE	DEPRTMENT	YEAR
1	AP18110020109	SIGHAKOLLI VENKATA SAI RAMA KRISHNA	B.TECH	ECE	2020-2021
2	AP18110020086	N. RAGHAVENDRA	B.TECH	ECE	2020-2021
3	AP18110020087	MANIKANTA B.	B.TECH	ECE	2020-2021
4	AP18110020082	ABHUITH VALLURI	B.TECH	ECE	2020-2021
5	AP18110020102	A. HIMAVANTH	B.TECH	ECE	2020-2021

We thank you in anticipation.


 PLACEMENT OFFICER


SRMAP/CR&CS/35

30-06-2021

The Head – CED,
ECIL,
Guest House Complex, ECIL Post
Hyderabad-500062

Dear Sir/Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!

SRM University – AP, Amaravati focuses on quality teaching and carry out research in front – line and emerging areas of Engineering and Technology, Science and Humanities, Medical and Health Sciences, Management and Law. The University has got an international advisory board and it follows the syllabus of M.I.T.x getting faculty members from Stanford, U.C. Berkeley, Cambridge and N.U.S.

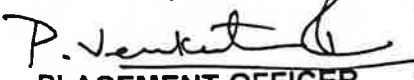
It is our endeavor to have effective industry-institute interaction whereby the students are exposed to the practical nuances through project Internship in organization of repute like yours. This in plant training / internship is a part of our Curriculum.

2244

We request that the below mentioned B. Tech 4th year student may be accorded permission to do Internship from July 1st 2021 TO July 31st 2021 in your esteemed organization.

Sl.No	Registration No	Name of The Student	Program	DEPARTMENT	YEAR
1	AP18110020168	A. ROHITH KUMAR	B.TECH	ECE	2021-2022

We thank you in anticipation..


PLACEMENT OFFICER



DIRECTORATE OF CORPORATE RELATIONS



SRMAP/CR&CS/2020/1

22-12-2020

Ms. Deepika Ramakrishnan,
Human Resources - iSEEC
Intellect Design Arena Limited
Hyderabad, Telangana

Sub.: Requisition for Internship – Reg.

Dear Madam,

Greetings from SRM AP!!!!

SRM University – AP, Amaravati focuses on quality teaching and carry out research in front – line and emerging areas of Engineering and Technology, Science and Humanities, Medical and Health Sciences, Management and Law. The University has got an international advisory board and it follows the syllabus of M.I.T.x getting faculty members from Stanford, U.C. Berkeley, Cambridge and N.U.S.

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We request that the below mentioned student(s) may be accorded permission to do Internship during Jan to Mar-2021 (Three months) in your esteemed organization.

Sl.No	Registration No	Name of The Student	DEGREE	DEPRTMENT	YEAR
1	AP18110010638	Jatin Manikanta Kommineni	B.TECH	CSE	2021-2022

We thank you in anticipation.





Memorandum of Agreement (MOA)

Between

WhistleDrive, Hyderabad

And

S.R.M. UNIVERSITY – A.P. Amaravati

This Memorandum of Agreement (M.O.A.) is entered into on this the 13th day of **December, 2018** between WhistleDrive, a company incorporated under the companies Act, 1956 and having its office at Modern Profound Tech park, 4th Floor, Plot No-5, Survey No-12, Kondapur, Hyderabad - 500084 INDIA. (Hereinafter referred to as "company")

and

S.R.M. UNIVERSITY – A.P. Amaravati is a State Private University established by the Andhra Pradesh Private Universities (Establishment and Regulations) Act 2016, which is registered under Trust Act 1882, located in Neerukonda, Mangalagiri Road, Guntur–District, Andhra Pradesh–522 503 (hereinafter referred to as the "Party") for purpose of providing Internships to the Students. Terms and Conditions of M.O.A. are as under.

1. The above internship (2 months & 6 months) will be offered by Company and provide project based on-Job training alongside of internship to the students of B. Tech in CSE, as part of their curriculum.
2. Internships will be held in batches and the number of batches and the number of students per batch will be mutually discussed before providing the project training.
3. After satisfactory completion of projects by the students, certificates will be issued to the individual students by the company.
4. Any other programs during the M.O.A. period will be mutually discussed by the parties and finalized.

5. **Validity:** This M.O.A. is valid for a period of three years from the date of signing of M.O.A. and it can be renewed with mutual understanding in writing.
6. **Termination:** This M.O.A. can be terminated by giving one month's notice to the other party in writing. In the event of such termination the respective parties have to fulfill their part of the obligation till the end of that academic year.

For, WhistleDrive.
Hyderabad




Mr. Rakesh - CEO






For, S.R.M. UNIVERSITY - A.P.
Amaravati

Dr. D. Gunasekaran - Registrar

WITNESSES:

1.  M. PRASHANTH
2.  A. Rajashankar Reddy

WITNESSES:

1.  (M. PRASHANTH)
2. 

DIRECTORATE OF CORPORATE RELATIONS



SRM AP/IR&P/2019

22-04-2019

Ms. Sravanthi,
SEVENTH SENSE AI,
Modern Profound Tech Park,
White field Road,
Survey no 3, #401,
Kondapur, Hyderabad
Telangana-500032

Dear Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!

SRM University – AP, Amaravati focuses on quality teaching and carry out research in front – line and emerging areas of Engineering and Technology, Science and Humanities, Medical and Health Sciences, Management and Law. The University has got an international advisory board and it follows the syllabus of M.I.T.x getting faculty members from Stanford, U.C. Berkeley, Cambridge and N.U.S.

It is our endeavour to have effective industry-institute interaction whereby the students are exposed to the practical nuances through project Internship in organization of repute like yours. This inplant training / internship is a part of our Curriculum.

We request that the below mentioned student(s) may be accorded permission to do Internship during **MAY TO JUNE 2019** in your esteemed organization.

S.No	Registration No	Name of The Student	Branch
1	AP17110010123	Sanagonda Surya	B.Tech - CSE
2	AP17110010095	Muvva Sahithya Priya	B.Tech - CSE
3	AP17110010097	Gaddam Akhileshwar Reddy	B.Tech - CSE
4	AP17110010100	Jakkula Jairaj Yadav	B.Tech - CSE
5	AP17110010124	Voleti Sri Lakshmi Priyanka	B.Tech - CSE

We thank you in anticipation.

PLACEMENT OFFICER

DIRECTORATE OF CORPORATE RELATIONS



SRM AP/IR&P/2019

30-04-2019

Ms. Sravanthi,
SEVENTH SENSE AI,
Modern Profound Tech Park,
White field Road,
Survey no 3, #401,
Kondapur, Hyderabad
Telangana-500032

Dear Madam,

Sub.: Requisition for Internship – Reg.

Greetings from SRM AP!!!!


SRM University – AP, Amaravati focuses on quality teaching and carry out research in front – line and emerging areas of Engineering and Technology, Science and Humanities, Medical and Health Sciences, Management and Law. The University has got an international advisory board and it follows the syllabus of M.I.T.x getting faculty members from Stanford, U.C. Berkeley, Cambridge and N.U.S.

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We request that the below mentioned student(s) may be accorded permission to do Internship during **MAY TO JUNE 2019** in your esteemed organization.

Sl.No	Registration No	Name of The Student
1	AP17110010088	Raghupathruni Pavan Krishna

We thank you in anticipation.


PLACEMENT OFFICER



2/2/24, 4:12 PM

SRM UNIVERSITY-AP, Andhra Pradesh Mail - Selected Profiles for internship



Sunil Gottapu <sunil.g@srmmap.edu.in>

Selected Profiles for internship

GOTTAPU SUNIL <sunil.g@gp.srmmap.edu.in>
To: M S Vivekanandan <vivekanandan.m@srmmap.edu.in>

Thu, Apr 4, 2019 at 9:14 PM

Pfa

----- Forwarded message -----

From: Sravanthi Tankasala <tankasala.sravanthi@colosseumgroup.com>
Date: Thu, 4 Apr 2019, 5:32 pm

Subject: RE: Selected Profiles for internship

To: GOTTAPU SUNIL <sunil.g@gp.srmmap.edu.in>

Cc: Adinarayana Chennupati <adi@colosseumgroup.com>, M S Vivekanandan <vivekanandan.m@srmmap.edu.in>

Dear Sunil,

Please find below selected candidates out of which only 5 will be eligible.

Registration No	Name of The Student	Rating out of 5
AP17110010123	Sangonda Surya	4.5
AP17110010095	Muvva Sahithya Priya	4.3
Direct Call	Akalisha	4.3
AP17110010100	Jakkula Jairaj Yadav	4.2
AP17110010124	Voleti Sri Lakshmi Priyanka	4.1
AP17110010125	Pullela Madhusri	4.1

Please confirm us the candidates list and their joining date as well.

Regards,

Sravanthi.

From: GOTTAPU SUNIL <sunil.g@gp.srmmap.edu.in>
Sent: 04/04/2019 06:59

To: Sravanthi Tankasala <tankasala.sravanthi@colosseumgroup.com>

Cc: Adinarayana Chennupati <adi@colosseumgroup.com>; M S Vivekanandan <vivekanandan.m@srmmap.edu.in>

Subject: Re: Selected Profiles for internship

2/2/24, 4:12 PM

Dear Madam,

Greetings from SRM Univeristy !!!!!

Thanks for sharing shortlisted profiles, Here i am sending the students who are available for internship interview process.

S.NO	BRANCH	Registration No	Name of The Student
1	CSE-A	AP17110010029	Gottipati Vamsi Krishna
2	CSE-A	AP17110010051	Markapuram Havish Madhav
3	CSE-A	AP17110010095	Muvva Sahithya Priya
4	CSE-B	AP17110010100	Jakkula Jairaj Yadav
5	CSE-B	AP17110010112	Makkena Alekhya
6	CSE-B	AP17110010114	Yelisetty Srivarsha
7	CSE-B	AP17110010123	Sangonda Surya
8	CSE-B	AP17110010124	Voleti Sri Lakshmi Priyanka
9	CSE-B	AP17110010125	Pullela Madhusri
10	CSE-B	AP17110010129	Rakus Rimal
11	CSE-B	AP17110010133	Bijay Adhikari

Let us share the mode of interview process (Skype or Telephonic call) and what time you want to start.

Best Regards,

Sunil.G - Sr. Manager - Industry Relations & Placements

9293051471 & 8885887768

Image removed by sender.

On Wed, Apr 3, 2019 at 6:44 PM Sravanthi Tankasala <tankasala.sravanthi@colosseumgroup.com> wrote:

2/2/24, 4:12 PM

SRM UNIVERSITY-AP, Andhra Pradesh Mail - Selected Profiles for internship

Hi Sunil,

Please find list of students below and please let me the list of students for telephonic tomorrow post lunch.

1. Alekhya
2. Bijay Adikari
3. Hrisheekesh
4. Jairaj Yadav
5. Jay Prakash Guptha
6. Madhu Sri Chowdary
7. Markapuram Havish Madhav
8. N.V.M. Krishna Chaitanya
9. Rakush Rimal
10. Sahithya Priya
11. Sai Krishna Rohith Kattamuri
12. Sajan Kumar
13. Sajan Kumar
14. Sri Lakshmi Priya
15. Srinivasteja Vemuru Thiru
16. Sanagonda Surya
17. Vamsi Krishna
18. Yelisetty Srivarsha

Regards,
Sravanthi

—Original Message—

From: Sravanthi Tankasala
Sent: 03/04/2019 12:32
To: sunil.g@gp.srmap.edu.in
Cc: Adinarayana Chennupati <adi@colosseumgroup.com>
Subject: Selected Profiles for internship

Dear Sunil,

Greetings!!!

Please find attached selected profiles of students out of which we will select 3 to 5 profiles for 2 months summer internship hiring and we do not assure you for stipend.

JD : Python programing developers
AI Jr. Developers
Period: 2 months
Location: CDC Towers, IDA, Nacharam.
Interview process: Telephonic tomorrow i.e. on 4th April, 2019

Note: Students should carry their own laptop.

Kindly confirm me the same.

Thanks & Regards,
Sravanthi

2 attachments

image001.jpg
1K