ACHARYA INSTITUTE OF TECHNOLOGY

Acharya Dr. Sarvepalli Radhakrishnan Road, Acharya P.O., Soladevanahalli, Bangalore-560107, INDIA
Affiliated to VTU, Belagavi, Karnataka and Approved by AICTE, New Delhi
Accredited by NBA (AE, BT, CSE, ECE, ME and MT)
www.acharya.ac.in, Email: principalait@acharya.ac.in, Ph. No. 080 22 555 555, +91 63645 22980

Criteria 3- Research, Innovations and Extension

Key Indicators 3.5 – Collaboration

3.5.1 Number of functional MoUs/linkages 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.

Sl. No.	Particulars	Pages (from-to)
1	Certificate of Authenticity issued by the principal	**2**
2	**Summary** of the number of functional MoUs/linkages 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**.**	**3**
3	Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research in the year 2023-24	**4-143**
4	Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research in the year 2022-23	**144-233**
5	Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research in the year 2021-22	**234-299**
6	Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research in the year 2020-21	**300-348**
7	Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research in the year 2019-20	**349-419**

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www.acharya.ac.in, Email: principalait@acharya.ac.in, Ph. No. 080 22 555 555, +91 63645 22980

Date: 15.07.2025

Certificate of Authenticity

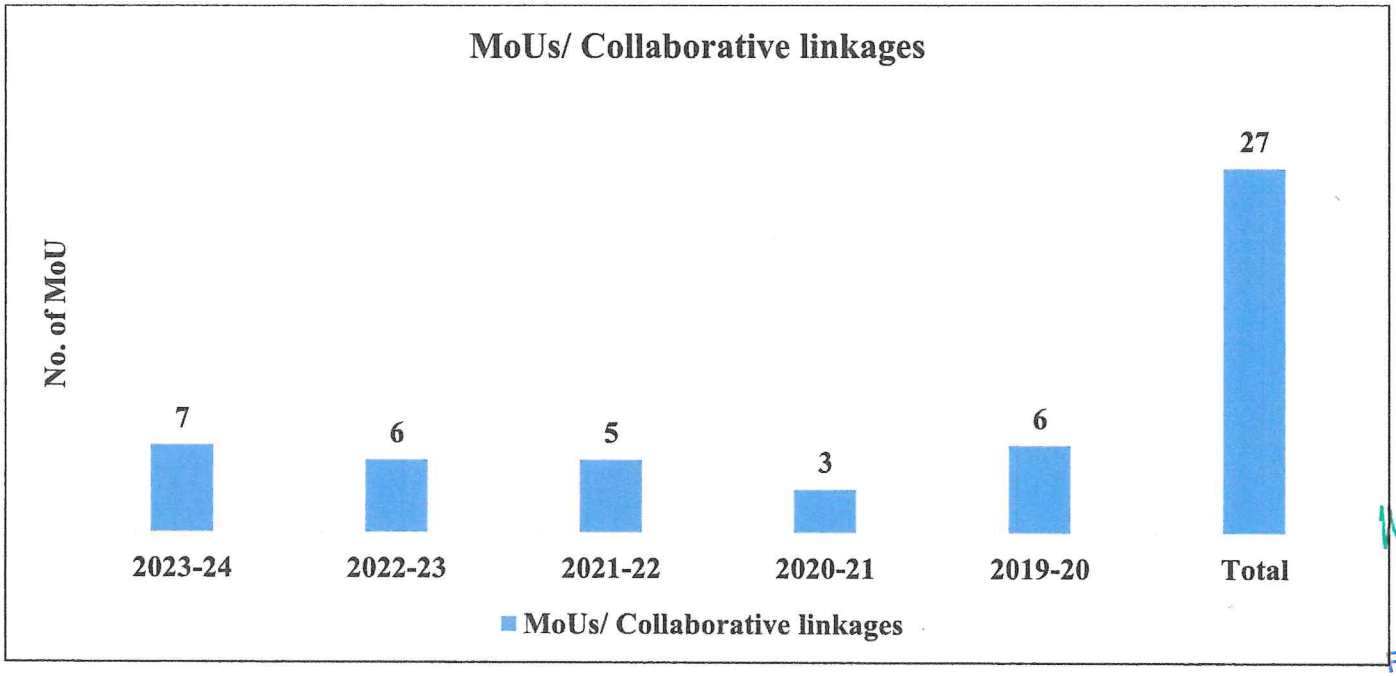
I hereby certify that all the supporting documents provided and uploaded under this metric are genuine, authentic, and accurately represent the intended information. Each document has been thoroughly reviewed and verified to ensure compliance with the applicable guidelines and Standard Operating Procedures (SOPs) of NAAC.

Principal

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3.5.1. Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during 2023-24.

Year	2023-24	2022-23	2021-22	2020-21	2019-20	Total
MoUs/ Collaborative linkages	07	06	05	03	06	27



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Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka
and Accredited by NBA (AE, BT, CSE, ECE, ME, MT)

Academic Year 2023-24

3.5.1. Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during 2023-24.

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web - links year-wise
1.	MoU	Infosys Ltd, Plot No, 44, Hosur Rd, Konappana Agrahara, Electronic City, Bengaluru, Karnataka 560100	2024	Students training	04 Years	Training & Internship Certification Program on: G-AI, Blockchain, Springboard AI
2.	MoU	Infidata Technologies, #1142, 1st Floor,16th B Cross, Sri Radha Building, opp.to Dr. Agarwal Eye Hospital, Yelahanka New Town, Bengaluru, Karnataka 560064	2024	Students training	03 Years	Training & Internship- 5-Days short term training program on Deep Dive into AI&ML Concepts & its application (22 to 27 Jan 2024)
3.	MoU	L&T Edu Tech, 1st Floor, L&T EduTech, TCTC BUILDING, Mount Poonamallee Rd, Manapakkam, Chennai, Tamil Nadu 600089	2024	Students training	05 Years	Training & Internship - Orientation Program for L& T Edutech Course- Advance Constructions Practices (12-06-2024)
4.	MoU	TNS India Foundation, 302,	2024	Students training	01 Year	Training & Internship

		Wellington Business Park 2, Andheri - Kurla Rd, Andheri East, Mumbai, Maharashtra 400069				Orientation Program- MySQL (12-06-2024 to 13th -06-2024)
5.	MoU	Tantalizers Alter Space, 4th Cross Rd, behind Silicon High school, MHR Layout, Kirloskar Layout, Siddeshwar Layout, Soundarya Layout, Bengaluru, Sidedahalli, Karnataka 560073	2024	Students training	04 Years	Training & Internship 1. Workshop on Fabrication of Ornithopter (19 to 23rd Feb 2024) 2. Virtual Skies: Flight Simulation Experience (18th -22nd Dec 2023) 3. Workshop on Wings of Innovation: Scale Model Aircraft Design (17th to 21stApril 2023) 4. Value added Program on Wings of Tomorrow a Virtual Flight Simulation (08th to 12th Jan 2024)
6.	MoU	Infogen Ltd, Pune Maharashtra, India	2023	Students training (Sep 1st 2023 to 4th Jan 2024)	01 Year	Training & Internship: 19 Students offered with Internship for 6 Month
7.	Collaborative Linkage	Department of P.G. Studies and Research in Industrial Chemistry, School of Chemical Sciences, Kuvempu University, Shankaraghatta, 577451 Karnataka, India	2024	Facilitate exchange of knowledge and resources for mutual benefit - Journal Article	02 Year	Research Publication-https://www.sciencedirect.com/science/article/pii/S138770032301420X

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MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called "MOU") is made on **26-Feb-2024** (hereinafter "Effective Date") 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 Plot No. 44 & 97A, Electronics City, Hosur Road, Bangalore 560 100, India, registered under registration number CIN: **L85110KA1981PLC013115** (hereinafter "Infosys") and **ACHARYA INSTITUTE OF TECHNOLOGY, BANGALORE** (including its subsidiaries and Affiliates) organized and existing under the laws of the state of **Karnataka** and having its primary place of business at **Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Bangalore - 560 107, Karnataka**, registered under Registration number **1-8141561** (hereinafter "**Partner**"). Partner and Infosys being referred to individually as a "Party" or collectively as the "Parties."

Recitals

WHEREAS the Partner is an **educational organisation established for the purpose of enriching the technical education process and to jointly work for enhancing quality education imparted to students of all engineering disciplines in the field of Information Technology (IT)** 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. (hereinafter referred to as "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 only in India 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 and was lawfully received from sources other than the disclosing party; or (d) is

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independently developed by the receiving party. Partner may disclose Infosys' Confidential and Proprietary Information if Partner is required to do so under applicable law, rule or order or communicated in response to a valid order by a court or required by any governmental body or regulatory / legal authority, provided that, Partner, where reasonably practicable and to the extent legally permissible, provides Infosys with prior written notice of the required disclosure so that Infosys may seek a protective order or other appropriate remedy, and provided further that Partner discloses no more Confidential and Proprietary Information than is reasonably necessary in order to respond to the required disclosure. 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. Infosys while processing Personal Data for the purpose of Services contemplated herein; shall adhere to the stipulations agreed under **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.

"Free Software Foundation" means an entity defined at https://www.fsf.org/about/.

"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.

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"Open Source Software" means any software that is licensed under any license listed or described at http://www.opensource.org/docs/definition.php or any license currently listed at http://www.opensource.org/licenses, Free Code as defined by the Free Software Foundation.

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.

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 unless otherwise agreed in this MOU. 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. If Partner chooses to make the Partner Content available only to its authorized users, Partner grants Infosys a non-exclusive, worldwide, royalty free license during the term of the MOU to host and display the Partner Content to authorized users of Partner through Infosys Springboard. In the event Partner chooses to make the Partner Content available at all the users of Infosys Springboard, Partner grants Infosys a non-exclusive, worldwide, royalty free, sub-license, perpetual license to host, copy, store, transmit or publicly display the Partner Content.

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

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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: (i) any third party claim arising from the PARTNER's Content; (ii) breach of any warranties including implied warranties contained in this MOU by Partner; (iii) breach of confidentiality, data privacy and/or security obligations under this MOU, by Partner.

Infosys agrees to indemnify, defend, and hold harmless Partner, its Affiliates, directors, officers, employees, representatives, and agent for any losses, damages or expenses incurred by Partner (including reasonable attorney fees) against any third-party claims (i) arising from the Infosys breach of intellectual property rights; and (ii) breach of confidentiality, under this MOU. If any infringement claim is made or the same appears as a just claim concerning Infosys' Content, Infosys shall modify Infosys' Content so that is no longer infringing; or replace it with a non-infringing Infosys' Content.

THE INDEMNIFICATIONS STATED HEREIN ARE WITHOUT PREJUDICE TO THE INDEMNIFICATIONS THAT PARTNER HAS PROVIDED ELSEWHERE IN THIS MOU.

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. Use Infosys Springboard in any manner that could interfere with, disrupt, negatively affect or inhibit other users from fully enjoying the services provided by Infosys Springboard, or that could damage, disable, overburden or impair the functioning of the Infosys Springboard;
b. Harvest or collect information about other users, including their email addresses or any other personal details, without their consent;
c. Use any robot, spider, crawler, scraper or other automated means or interface not provided by us to access Infosys Springboard or to extract data from Infosys Springboard;
d. 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 (except as otherwise expressly permitted by law);
e. Use or attempt to use any account for which the Party does not have authorization;
f. Impersonate or post on behalf of any person or entity or otherwise misrepresent the Party's affiliation with a person or entity;
g. Attempt to circumvent any content filtering techniques Infosys employs, or attempt to access any service or area of Infosys Springboard not authorized to access by the Partner;
h. Engage in any harassing, intimidating, predatory or stalking conduct;
i. Develop any third-party applications that interact with Infosys Springboard without our prior written consent;
j. Use Infosys Springboard for any illegal or unauthorized purpose or engage in, encourage or promote any activity that violates these Terms; and
k. Upload any Content which is defamatory, obscene, pornographic, pedophilic, invasive of another's privacy, including bodily privacy, insulting, or harassing on the basis of gender, libelous, racially, or ethnically objectionable, relating or encouraging money laundering or gambling, or otherwise inconsistent with or contrary to the laws in force.

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5. TERM

This MOU shall become effective from the "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.

Upon completion, termination or expiration of this MOU, Partner will, in addition to any other obligations of Partner on completion, termination or expiration:

(i) Cease all performance of the completed or terminated Services and furnish and return to Infosys all access of Infosys Springboard;

(ii) Return to Infosys all copies of any Confidential or Proprietary Information of Infosys related to the completed or terminated Services and cease all use of these materials; Partner shall also certify to Infosys that it has complied with such obligations.

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. REPRESENTATION AND WARRANTIES

Partner represents and warrants that:

(i) in the execution of this MOU, Partner shall comply with all applicable laws, regulations and ordinances;
(ii) Partner shall not subcontract any part of the Services without prior written approval of Infosys.
(iii) that the Partner Content will not contain any viruses or worms, bugs, disabling devices or any devices that will disrupt, disable, harm, impede or otherwise interfere with the Services of Infosys or allow unauthorized access into Infosys systems or hardware.

Infosys represents and warrants that:

(i) the Services will be performed consistent with generally accepted industry standards in a professional and workmanlike manner;
(ii) in the execution of this MOU, Infosys shall comply with all applicable laws, regulations, and ordinances, related to Prevention of Corruption Act, 1988; UK Bribery Act, 2010 and US Foreign Corrupt Practices Act, 1977.

Except as otherwise expressly set forth in this MOU, neither Party makes any warranties, guarantees or representations of any kind, express or implied, including without limitation any implied warranty of merchantability or fitness for a particular purpose.

8. LIMITATION OF LIABILITY

Except for claims/ loss/ damages arising due to breach of Section 2 (Confidential and Proprietary Information), Section 4 (Ownership and Restrictions) and 10(g) (Non-Hire), for claims arising from any willful misconduct, fraud, misrepresentation, and or violation by Partner of any laws, rules, ordinances, or regulations; and any other liability which cannot be excluded under law, Partner

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shall not be liable to the other Party for damages, whether in contract, tort or otherwise, arising out of or in connection with this MOU. Further, Infosys shall not 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.

9. 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: Prof. C. K. Marigowda
Title: Vice Principal
Address: Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Bangalore - 560 107, Karnataka

To Infosys:

Infosys Limited

Attention: Mr. Thirumala Arohi
Senior Vice President and Head, Education Training and Assessment
Address: Plot No. 44 & 97A, Electronics City, Hosur Road, Bangalore – 560100, India

With a copy to:

Attention: Infosys Legal Department
Address: Plot No. 44 & 97A, Electronics City, Hosur Road, Bangalore – 560100, India
Phone : +91 80 28520261

Either Party may change such address by notice to the other Party.

10. 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 including but not limited to natural disasters, terrorist activities, government sanctions, economic sanctions, trade sanctions, embargo, actions or decrees of governmental bodies, communication line failures not the fault of the affected Party (hereafter referred to as a "Force Majeure Event"). A Party affected by the Force Majeure Event shall notify as soon as practicable the other Party of the occurrence of such event.

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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 MOU. 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, Partner 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) year following its completion or termination except where such hiring is pursuant to a bonafide advertisement to general public.

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	: 26.03.2024	Date	: 27-2-2024
Place	: **Bangalore**	Place	: **Bangalore**
Name	: **Mr. Thirumala Arohi**	Name	: **Prof. C. K. Marigowda**
Title	: **Senior Vice President and Head Education Training and Assessment**	Title	: **Vice Principal**

Signature (with seal)

Senior Vice President
Head-Education, Training & Assessment
INFOSYS LIMITED
44, Electronics City, Hosur Road
BANGALORE - 560 100 INDIA

Signature (with seal)

Principal
Acharya Institute of Technology
Soladevanahalli, Bangalore-560 107

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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. Masterclasses, 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 March 2023, nearly 53 lakhs learners and 2000+ 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.

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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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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.

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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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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, India (hereinafter "**Infosys**")

And

ACHARYA INSTITUTE OF TECHNOLOGY, BANGALORE (and their subsidiaries, parent, and affiliates) with its registered office at **Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Bangalore - 560 107, Karnataka** (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.

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2. **Processing of Personal Data**

i. The parties agree that in connection with this MOU, Partner and Infosys shall each act as an independent data controller with regard to use and processing of personal information for the purposes contemplated by this MOU. 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 MOU. Both Parties agree to negotiate in good faith to amend the DPA and the MOU 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 MOU, 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 MOU 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 MOU 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 MOU.

vi. Partner by signing this DPA agreement agrees /provide their consent for any transfer of PII outside India or to any third party for the purpose of the Services contemplated under this MOU.

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	: 26.03.2024	Date	: 27-2-2024
Place	: **Bangalore**	Place	: **Bangalore**
Name	: **Mr. Thirumala Arohi**	Name	: **Prof. C. K. Marigowda**
Title	: **Senior Vice President and Head Education Training and Assessment**	Title	: **Vice Principal**

Signature (with seal)

Senior Vice President
Head-Education, Training & Assessment
INFOSYS LIMITED
44, Electronics City, Hosur Road
BANGALORE - 560 100 INDIA

Signature (with seal)

Principal
Acharya Institute of Technology
Soladevanahalli, Bangalore-560 107

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SCHEDULE D

Logos

Infosys | Springboard

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(1)

2023-2024

ACHARYA INSTITUTE OF TECHNOLOGY

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Approved by AICTE, New Delhi and Accredited by NBA & NAAC

Circular

Date:26.02.2024

Subject: Invitation to Participate in Infosys Springboard Programs

We are pleased to announce an opportunity to enhance your skills through the Infosys Limited – Springboard programs at Acharya Institute of Technology. These programs are designed to equip you with industry-relevant knowledge and skills essential for career advancement in the digital age.

Program Details:

- **Program Name:** Infosys Springboard Programs
- **Objective:** Training in emerging areas of technology, including AI, Python programming, Blockchain, and more.
- **Format:** Includes masterclasses, programming challenges, practice areas, and experimental playgrounds.
- **Benefits:** Gain hands-on experience and insights aligned with current industry standards.

Registration: Interested students are encouraged to register for the Infosys Springboard Programs by submitting their nominations to hodaiml@acharya.ac.in. Limited seats are available, so early registration is recommended.

Signature of HoD

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
Date: 26/2/24

Sd/-
HOD, AIML, AIT
Bangalore-560107

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Expanding Digital Re-skilling: Acharya Institute of Technology's Collaboration with Infosys Limited – Spring board

Acharya Institute of Technology has embarked on a transformative journey in collaboration with Infosys Limited – Springboard, aimed at enhancing the digital re-skilling of its engineering students and faculty from the academic year 2023-2024 onwards. This strategic partnership underscores Acharya Institute's commitment to equipping its students with cutting-edge skills aligned with industry demands.

Aligning with National Education Policy 2020

Aligned with India's National Education Policy 2020, the collaboration introduces a holistic set of courses designed to cultivate vocational skills and bolster soft skills among participants. These initiatives are meticulously crafted to ensure that students are well-prepared to meet the evolving standards of the global job market.

Immersive Learning Experience

The learning experience is enriched through a variety of avenues including masterclasses, programming challenges, practice areas, and experimental playgrounds. This immersive approach not only enhances technical proficiency but also fosters creativity and critical thinking among participants, preparing them for diverse career opportunities in the digital era.

Institutional Commitment to Excellence

Acharya Institute of Technology has consistently been at the forefront of higher education, embracing innovative learning methodologies and fostering a global perspective among its students. This collaboration with Infosys Springboard is a testament to the institute's proactive stance in integrating industry-relevant skills into its curriculum, ensuring that graduates are not only job-ready but also capable of driving innovation and leadership in their fields.

Impact on Students and Faculty

The collaboration extends its benefits beyond students to include faculty members, empowering them with the latest tools and knowledge to deliver world-class education. By leveraging Infosys Limited's expertise in digital transformation and Springboard's comprehensive learning resources, Acharya Institute of Technology aims to elevate the academic and professional growth of its entire community.

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
Date: 26/2/24

Signature of HoD

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Acharya P. O., Bangalore-560 107
https://ait.ac.in Ph.: 080 2372 2222

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Department of Artificial Intelligence and Machine Learning

LIST OF STUDENTS WHO HAVE ATTEMPTED AND COMPLETED THE CERTIFICATIONS

We are delighted to recognize the accomplishments of our students who have successfully completed various prestigious certifications under the Infosys Springboard program. These certifications include the SB Python Programmer Certification, Springboard Artificial Intelligence Foundation Certification, Blockchain Foundation Certification, and Principles of Generative AI Certification.

Sl no	First Name	Last Name	Certification Name	Content Source	Percentage of Marks Obtained	Passing Percentage	Date Completed
1)	HARISAGAR	G	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-08-09
2)	TEJASWINI	Y	SB_PythonProgrammerCertification	Infosys Assessment Platform	47.5	65	2023-12-04
3)	PRAJWAL	V P	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-10
4)	TUSHAR	M KHATOKAR	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	75	65	2023-10-09
5)	PRASHITHA	S	SB_PythonProgrammerCertification	Infosys Assessment Platform	50	65	2023-08-08
6)	PRAJWAL	K M	SB_PythonProgrammerCertification	Infosys Assessment Platform	62.5	65	2023-08-08
7)	JAHNAVI	J P	SB_PythonProgrammerCertification	Infosys Assessment Platform	60	65	2023-11-30

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8)	VARUN	G	SB_PythonProgrammerCertification	Infosys Assessment Platform	17.5	65	2023-11-01
9)	SUMIT KUMAR	GUPTA	SB_PythonProgrammerCertification	Infosys Assessment Platform	37.5	65	2023-11-01
10)	PRANAV	BJ	SB_PythonProgrammerCertification	Infosys Assessment Platform	27.5	65	2023-11-17
11)	ANAND	RAJ	SB_PythonProgrammerCertification	Infosys Assessment Platform	60	65	2023-10-29
12)	BANDARU CHARAN	SAI	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	77.5	65	2023-12-25
13)	Y VENKAT	SAI	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	77.5	65	2023-10-11
14)	SUPRITH	G GOWDA	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-09
15)	SUPRITH	G GOWDA	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	72.5	65	2023-12-31
16)	PRANAV	BJ	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-12-07
17)	KARTHIK	K	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-08-09
18)	ANAND	RAJ	SB_PythonProgrammerCertification	Infosys Assessment Platform	47.5	65	2023-10-24

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19)	SREEJITH	P M	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	77.5	65	2023-10-10
20)	BHARGAVI	RAJA	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	60	65	2023-10-10
21)	BHARGAVI	RAJA	Blockchain Foundation Certification	Infosys Assessment Platform	40	65	2023-12-04
22)	ARUN	S T	SB_PythonProgrammerCertification	Infosys Assessment Platform	75	65	2023-08-09
23)	V V SAURAV	KUMAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-08-09
24)	SYED	MUSADIQ ILLAHI	SB_PythonProgrammerCertification	Infosys Assessment Platform	40	65	2023-08-04
25)	SYED	MUSADIQ ILLAHI	SB_PythonProgrammerCertification	Infosys Assessment Platform	50	65	2023-09-19
26)	SYED	MUSADIQ ILLAHI	SB_PythonProgrammerCertification	Infosys Assessment Platform	62.5	65	2023-10-06
27)	SYED	MUSADIQ ILLAHI	SB_PythonProgrammerCertification	Infosys Assessment Platform	77.5	65	2023-10-23
28)	SYED	MUSADIQ ILLAHI	Principles of Generative AI Certification	Infosys Assessment Platform	40	65	2023-10-14
29)	JHASHANK	NAYAN	SB_PythonProgrammerCertification	Infosys Assessment Platform	85	65	2023-10-26

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30)	GEETHANJALI	G	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-11-30
31)	PRAJWAL	BENAKI	SB_PythonProgrammerCertification	Infosys Assessment Platform	82.5	65	2023-11-30
32)	RINKU	RATHORE	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-08-09
33)	SHAHIL	RASHEED	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	85	65	2023-10-10
34)	RISHU	RAJ	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-08-10
35)	SHAIK MOHAMMAD	JUNAID	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	77.5	65	2023-10-09
36)	SHAIK MOHAMMAD	JUNAID	Blockchain Foundation Certification	Infosys Assessment Platform	65	65	2023-12-05
37)	VIVEK	SANAGOUDRA	SB_PythonProgrammerCertification	Infosys Assessment Platform	35	65	2023-08-07
38)	VIVEK	SANAGOUDRA	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	75	65	2023-12-30
39)	SUPRATIM	SAMAJPATI	SB_PythonProgrammerCertification	Infosys Assessment Platform	60	65	2023-11-25
40)	CHAITANYA	SWAMI	SB_PythonProgrammerCertification	Infosys Assessment Platform	22.5	65	2023-08-08

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41)	K HEMA SHIVANI	REDDY	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-09
42)	VARSHITHA	VMG	SB_PythonProgrammerCertification	Infosys Assessment Platform	75	65	2023-08-10
43)	SHREYA	HEGDE	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	67.5	65	2023-10-12
44)	TEJASHREE	PN	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	75	65	2023-12-31
45)	MANASH	HANDIQUE	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-10-25
46)	MOHAMMED	HUZAIFA	SB_PythonProgrammerCertification	Infosys Assessment Platform	35	65	2023-08-08
47)	HARISH	VISWANATHAN	SB_PythonProgrammerCertification	Infosys Assessment Platform	57.5	65	2023-10-24
48)	HARISH	VISWANATHAN	SB_PythonProgrammerCertification	Infosys Assessment Platform	75	65	2023-11-14
49)	PRIYANSHU	KUMAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	60	65	2023-08-08
50)	AKULA	VIDYULLATHA	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	17.5	65	2023-09-29
51)	AKULA	VIDYULLATHA	Blockchain Foundation Certification	Infosys Assessment Platform	62.5	65	2023-12-04

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52)	SHOBHITH	B N	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-08-09
53)	ANKITA	SINGH	SB_PythonProgrammerCertification	Infosys Assessment Platform	75	65	2023-08-09
54)	SARAH	MUSTAFA	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	90	65	2023-10-11
55)	BOYA	ARJUN	SB_PythonProgrammerCertification	Infosys Assessment Platform	45	65	2023-08-07
56)	BOYA	ARJUN	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	30	65	2023-12-25
57)	SANDESH DEVENDRA	HALLI	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-08-08
58)	SHREYAS	RP	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	85	65	2023-10-08
59)	KAVANA	C	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-08-09
60)	HARSH	GUPTA	SB_PythonProgrammerCertification	Infosys Assessment Platform	2.5	65	2023-10-25
61)	PRATIK	KUMAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	62.5	65	2023-10-29
62)	CHANDRASEKHAR	ANUDEEP	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-08-08

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63)	AKHIL	R	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	80	65	2023-10-09
64)	GAGANDEEP	Y	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	70	65	2023-10-09
65)	SAI SUBASH	CHIRATHANAGANDLA	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	20	65	2023-10-02
66)	SAI SUBASH	CHIRATHANAGANDLA	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	57.5	65	2023-10-30
67)	SAHIL	GUPTA	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-09
68)	SAMARTH	PARANDE	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-11
69)	VIBHAVA	N	SB_PythonProgrammerCertification	Infosys Assessment Platform	5	65	2023-08-09
70)	SAMAROHO	DAS	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-10
71)	CHETANA	K S	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	67.5	65	2023-10-09
72)	CHETANA	K S	Blockchain Foundation Certification	Infosys Assessment Platform	75	65	2023-10-30
73)	YAMINI	M	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	55	65	2023-09-07

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74)	YAMINI	M	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	80	65	2023-09-25
75)	YAMINI	M	Blockchain Foundation Certification	Infosys Assessment Platform	67.5	65	2023-10-30
76)	SHREYA	S	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	65	65	2023-10-14
77)	KHUSHBOO SURESH	BOKDE	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-11-10
78)	GV	AISHWARYA	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-09
79)	VINAY KRISHNA	JAGARLAMUDI	SB_PythonProgrammerCertification	Infosys Assessment Platform	77.5	65	2023-08-08
80)	VINUTHASHREE	H	SB_PythonProgrammerCertification	Infosys Assessment Platform	15	65	2023-12-07
81)	CHANDRASHEKHAR	AWATI	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	80	65	2023-10-08
82)	CHANDRASHEKHAR	AWATI	Blockchain Foundation Certification	Infosys Assessment Platform	70	65	2023-10-15
83)	SWAROOP	TANDLE	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-11-29
84)	HARSHAVARDHAN	G	SB_PythonProgrammerCertification	Infosys Assessment Platform	22.5	65	2023-10-30

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85)	SUSEENDHARAN	SB	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-05-31
86)	DEEPAK	A CHOUDHARY	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	70	65	2023-11-03
87)	SHAIK	SARFARAZ BASHA	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	80	65	2023-10-08
88)	SARAH	MUSTAFA	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	7.5	65	2023-10-10
89)	PRAJWAL	K M	SB_PythonProgrammerCertification	Infosys Assessment Platform	12.5	65	2023-08-31
90)	PRAJWAL	K M	SB_PythonProgrammerCertification	Infosys Assessment Platform	50	65	2023-08-10
91)	PONNAPPA	K G	SB_PythonProgrammerCertification	Infosys Assessment Platform	52.5	65	2023-08-09
92)	PONNAPPA	K G	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	72.5	65	2023-12-30
93)	KISHOR JAGANNATH	KONARADDI	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-11-28
94)	GURUPRASAD	R	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	82.5	65	2023-10-09
95)	GURUPRASAD	R	Blockchain Foundation Certification	Infosys Assessment Platform	62.5	65	2023-12-10

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96)	SURAKSHA	SHETTY	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-12-15
97)	MOHAMED	TAHIR	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	77.5	65	2023-10-08
98)	AVIRAL	SINGH	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	80	65	2023-09-07
99)	PRATHAM P	BANDEKAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-08-09
100)	PRATHAM P	BANDEKAR	Introduction to Deep Learning	Infosys Assessment Platform	80	65	2023-12-25
101)	EBI	SOJAN	SB_PythonProgrammerCertification	Infosys Assessment Platform	25	65	2023-08-09
102)	KUNAL	SAURAV	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-12
103)	SHIVU	SOLAPURE	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	80	65	2023-10-11
104)	SHIVU	SOLAPURE	Blockchain Foundation Certification	Infosys Assessment Platform	60	65	2023-11-26
105)	EBI	SOJAN	SB_PythonProgrammerCertification	Infosys Assessment Platform	32.5	65	2023-08-09
106)	PRASHITHA	S	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	80	65	2023-12-31

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107)	EBI	SOJAN	SB_PythonProgrammerCertification	Infosys Assessment Platform	27.5	65	2023-08-08
108)	PAVAN	N	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	67.5	65	2023-10-11
109)	GAUTHAM	D V	SB_PythonProgrammerCertification	Infosys Assessment Platform	42.5	65	2023-08-08
110)	GAUTHAM	D V	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-08-29
111)	VIBHAVA	N	SB_PythonProgrammerCertification	Infosys Assessment Platform	50	65	2023-08-10
112)	VIBHAVA	N	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-09-01
113)	KAVANA	C	SB_PythonProgrammerCertification	Infosys Assessment Platform	60	65	2023-08-09
114)	VAISHNAVI	M	SB_PythonProgrammerCertification	Infosys Assessment Platform	62.5	65	2023-12-29
115)	SHRIYANS	K S	SB_PythonProgrammerCertification	Infosys Assessment Platform	0	65	2023-11-06
116)	MIRUNALINI	M	SB_PythonProgrammerCertification	Infosys Assessment Platform	82.5	65	2023-08-09
117)	ABHIRAG	DAS	SB_PythonProgrammerCertification	Infosys Assessment Platform	32.5	65	2023-11-01

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118)	VARUN	R	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	67.5	65	2023-10-10
119)	VENKAT KARTHIK	M	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-08-09
120)	NIKHIL	S	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-08-09
121)	ADITHYA K	LAPOJI	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-11-22
122)	PRAJWAL	K M	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-08-10
123)	BOYA	ARJUN	SB_PythonProgrammerCertification	Infosys Assessment Platform	82.5	65	2023-08-07
124)	BOYA	ARJUN	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	77.5	65	2023-12-25
125)	PRUTHVI MANOJ	N D	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-08-09
126)	APOORVA	SHARMA	SB_PythonProgrammerCertification	Infosys Assessment Platform	52.5	65	2023-10-28
127)	DRUTHI	K	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-11-01
128)	VIVEK	SANAGOUDRA	SB_PythonProgrammerCertification	Infosys Assessment Platform	62.5	65	2023-08-08

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129)	VIBHAVA	N	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-08-09
130)	ANUPAMA	SHETTY	Basics of Python	Infosys Assessment Platform	72.5	65	2023-11-20
131)	ABHIJIT	SINGH	SB_PythonProgrammerCertification	Infosys Assessment Platform	57.5	65	2023-10-27
132)	ADITYA P	KASHYAP	Basics of Python	Infosys Assessment Platform	95	65	2023-11-17
133)	MOHAMMED FAHEEL	FAHMAN	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-10-27
134)	NAHUSH	S	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	72.5	65	2023-09-13
135)	NAHUSH	S	Blockchain Foundation Certification	Infosys Assessment Platform	70	65	2023-12-15
136)	SREEJITH	RAJU	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-08-11
137)	RAMYASHREE	H S	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	85	65	2023-10-12
138)	SHASHANK	GAUTAM	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-08-10
139)	ANUBHAV	TEKRIWAL	SB_PythonProgrammerCertification	Infosys Assessment Platform	52.5	65	2023-03-17

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140)	ANUBHAV	TEKRIWAL	SB_PythonProgrammerCertification	Infosys Assessment Platform	95	65	2023-04-13
141)	K AJAY	KUMAR	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	60	65	2023-10-09
142)	K AJAY	KUMAR	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	70	65	2023-11-09
143)	ABISHEK	R	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	77.5	65	2023-10-11
144)	ABISHEK	R	Blockchain Foundation Certification	Infosys Assessment Platform	57.5	65	2023-10-27
145)	RINKU	RATHORE	SB_PythonProgrammerCertification	Infosys Assessment Platform	42.5	65	2023-08-08
146)	RINKU	RATHORE	Introduction to Deep Learning	Infosys Assessment Platform	77.5	65	2023-12-18
147)	PRATIK	KUMAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	35	65	2023-10-25
148)	VARSHA	D	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-08-10
149)	MOHAMMED	HUZAIFA	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-08
150)	MOHAMMED	HUZAIFA	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	67.5	65	2023-12-30

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151)	SANDESH	KAMMAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	57.5	65	2023-08-08
152)	VARSHA	D	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-10
153)	VIVEK	SANAGOUDRA	SB_PythonProgrammerCertification	Infosys Assessment Platform	52.5	65	2023-08-08
154)	SWAROOP	TANDLE	SB_PythonProgrammerCertification	Infosys Assessment Platform	5	65	2023-11-28
155)	SAMARTH	PARANDE	SB_PythonProgrammerCertification	Infosys Assessment Platform	50	65	2023-08-08
156)	VARSHA S	RAJ	SB_PythonProgrammerCertification	Infosys Assessment Platform	35	65	2023-10-12
157)	VARSHA S	RAJ	SB_PythonProgrammerCertification	Infosys Assessment Platform	45	65	2023-11-05
158)	SHRINIVAS	M	SB_PythonProgrammerCertification	Infosys Assessment Platform	77.5	65	2023-08-23
159)	JAYA	SHREE N	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-08-09
160)	CHAITANYA	SWAMI	SB_PythonProgrammerCertification	Infosys Assessment Platform	75	65	2023-08-09
161)	K MOHAMMED	ESSAM	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	92.5	65	2023-10-11

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162)	GOURISH	HEGDE	SB_PythonProgrammerCertification	Infosys Assessment Platform	57.5	65	2023-08-08
163)	PRIYANSHU	KUMAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-08-08
164)	PRATIK	KUMAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	35	65	2023-10-26
165)	GAYATHRI	K	SB_PythonProgrammerCertification	Infosys Assessment Platform	45	65	2023-11-30
166)	EBI	SOJAN	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-08-09
167)	SUPRATIM	SAMAJPATI	SB_PythonProgrammerCertification	Infosys Assessment Platform	37.5	65	2023-11-25
168)	VIBHAVA	N	SB_PythonProgrammerCertification	Infosys Assessment Platform	60	65	2023-08-11
169)	NIKHIL	S	SB_PythonProgrammerCertification	Infosys Assessment Platform	45	65	2023-08-08
170)	BANDARU	CHARAN SAI	SB_PythonProgrammerCertification	Infosys Assessment Platform	80	65	2023-08-08
171)	EBI	SOJAN	SB_PythonProgrammerCertification	Infosys Assessment Platform	55	65	2023-08-09
172)	SHREYA	HEGDE	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	57.5	65	2023-10-12

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173)	GOURISH	HEGDE	SB_PythonProgrammerCertification	Infosys Assessment Platform	50	65	2023-08-08
174)	ABUBAKR ISHAQ	A	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-09
175)	ANIKETH	HEBBAR	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	55	65	2023-10-11
176)	AVULAEESWARA	EEKSHETREDDY	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-08-08
177)	AMOGHA	DESHPANDE	SB_PythonProgrammerCertification	Infosys Assessment Platform	75	65	2023-08-09
178)	TEJASHREE	PN	SB_PythonProgrammerCertification	Infosys Assessment Platform	35	65	2023-08-09
179)	TEJASHREE	PN	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	0	65	2023-12-31
180)	ANIKETH	HEBBAR	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	82.5	65	2023-10-11
181)	SHRINIVAS	M	SB_PythonProgrammerCertification	Infosys Assessment Platform	60	65	2023-08-22
182)	HITHISH	KUMAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	12.5	65	2023-10-17
183)	GURU GAUTHAM	N	SB_PythonProgrammerCertification	Infosys Assessment Platform	35	65	2023-08-08

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184)	BHARGAVI	RAJA	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	80	65	2023-10-11
185)	BHARGAVI	RAJA	Blockchain Foundation Certification	Infosys Assessment Platform	80	65	2023-12-04
186)	SHARAN	R	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-08-09
187)	KUBER	REDDY	SB_PythonProgrammerCertification	Infosys Assessment Platform	77.5	65	2023-08-09
188)	ROHIT	TALEKAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-08-08
189)	AAMOD	BHATT	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-12-01
190)	JITENDRA	SHARMA	TechA Testing Fundamentals Certification	IIHT	54.54545	65	2023-08-04
191)	JITENDRA	SHARMA	TechA Testing Fundamentals Certification	IIHT	85.71429	65	2023-08-29
192)	JITENDRA	SHARMA	TechA Microsoft_Excel_for_Data_Analysts	IIHT	69.23077	65	2023-08-28
193)	ANAND	RAJ	SB_PythonProgrammerCertification	Infosys Assessment Platform	50	65	2023-10-29
194)	KARTHIK	KRISHNA	SB_PythonProgrammerCertification	Infosys Assessment Platform	52.5	65	2023-08-08

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195)	YEDDULA	SASHI KUMAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-09
196)	SHREYA	HEGDE	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	25	65	2023-10-12
197)	SHREYA	HEGDE	Blockchain Foundation Certification	Infosys Assessment Platform	52.5	65	2023-12-05
198)	BHAVYA SRI	GILAKALA	SB_PythonProgrammerCertification	Infosys Assessment Platform	70	65	2023-11-02
199)	ABHISHEK KR	PRAJAPATI	SB_PythonProgrammerCertification	Infosys Assessment Platform	65	65	2023-11-02
200)	TEJESH K	SHETTY	SB_PythonProgrammerCertification	Infosys Assessment Platform	12.5	65	2023-10-16
201)	SUPRATIM	SAMAJPATI	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-11-28
202)	SHAHIL	RASHEED	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	32.5	65	2023-10-10
203)	SHAHIL	RASHEED	Blockchain Foundation Certification	Infosys Assessment Platform	77.5	65	2023-10-30
204)	VISHAL	KUMAR	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	77.5	65	2023-10-07
205)	VISHAL	KUMAR	Blockchain Foundation Certification	Infosys Assessment Platform	65	65	2023-12-05

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206)	ROHIT	TALEKAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	62.5	65	2023-08-08
207)	ROHIT	TALEKAR	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	70	65	2023-12-31
208)	ASWIN	KRISHNA	SB_PythonProgrammerCertification	Infosys Assessment Platform	75	65	2023-11-01
209)	N GURU	GAUTHAM	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-08-09
210)	HEMANTH	KUMAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	27.5	65	2023-04-12
211)	VIBHAVA	N	SB_PythonProgrammerCertification	Infosys Assessment Platform	67.5	65	2023-08-11
212)	PRANAV	BJ	SB_PythonProgrammerCertification	Infosys Assessment Platform	60	65	2023-12-07
213)	ASHAD	VALI P	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	72.5	65	2023-10-09
214)	SURAJ	H S HEGDE	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	87.5	65	2023-10-09
215)	SURAJ	H S HEGDE	Blockchain Foundation Certification	Infosys Assessment Platform	17.5	65	2023-10-21
216)	SURAJ	H S HEGDE	Blockchain Foundation Certification	Infosys Assessment Platform	65	65	2023-10-24

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217)	TEJASWINI	H	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-08-10
218)	SANDESH	KAMMAR	SB_PythonProgrammerCertification	Infosys Assessment Platform	85	65	2023-08-09
219)	GOURISH	HEGDE	SB_PythonProgrammerCertification	Infosys Assessment Platform	85	65	2023-08-09
220)	SUNIL	S	SB_PythonProgrammerCertification	Infosys Assessment Platform	2.5	65	2023-12-01
221)	CHANDRU	S	SB_PythonProgrammerCertification	Infosys Assessment Platform	60	65	2023-10-27
222)	CHANDRU	S	SB_PythonProgrammerCertification	Infosys Assessment Platform	62.5	65	2023-11-15
223)	OM V	DESAI	SB_PythonProgrammerCertification	Infosys Assessment Platform	87.5	65	2023-11-20
224)	JAHNAVI	J P	SB_PythonProgrammerCertification	Infosys Assessment Platform	87.5	65	2023-11-30
225)	PRAJWAL	K M	SB_PythonProgrammerCertification	Infosys Assessment Platform	55	65	2023-08-09
226)	ANUGRAH KRISHNAA	SREEJITH	SB_PythonProgrammerCertification	Infosys Assessment Platform	85	65	2023-11-03
227)	MARK	ABRAHAM	SB_PythonProgrammerCertification	Infosys Assessment Platform	42.5	65	2023-10-25

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228)	MARK	ABRAHAM	SB_PythonProgrammerCertification	Infosys Assessment Platform	72.5	65	2023-11-10
229)	AMRUTA	MARUTI KHANGAONKAR	Introduction to NLP	Infosys Assessment Platform	72.5	65	2023-08-06
230)	AMRUTA	MARUTI KHANGAONKAR	Introduction to deep learning	Infosys Assessment Platform	75	65	2023-10-25
231)	AMRUTA	MARUTI KHANGAONKAR	Springboard Artificial Intelligence Foundation Certification	Infosys Assessment Platform	82.5	65	2023-09-25
232)	AMRUTA	MARUTI KHANGAONKAR	Blockchain Foundation Certification	Infosys Assessment Platform	70	65	2023-11-01

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Yelahanka Newtown, Bengaluru-560064
+91 7090240240 | info@infidata.in
www.infidata.in

Memorandum of Understanding (MoU)

Between

INFIDATA TECHNOLOGIES

And

ACHARYA INSTITUTE OF TECHNOLOGY

This Memorandum of Understanding is entered into this day of 2024 by and between

Infidata Technologies, an ISO 9001: 2015 Certified Company (Accredited by International Accreditation Service: IAS) started in the year 2015 and specialized in Training, Development and Consulting. Infidata Technologies has its registered office at #2341, 2nd & 3rd floor, 16th B Cross, Yelahanka Newtown, Bengaluru, Karnataka-560 064, and INDIA.

And

Acharya Institute of Technology (AIT), an Engineering College established in 2000, affiliated to Visvesvaraya Technological University (VTU), Belagavi, is approved by All India Council for Technical Education (AICTE), New Delhi, Government of India and Accredited by National Board of Accreditation (NBA) and National Assessment and Accreditation Council (NAAC). AIT is located in Acharya Dr. Sarvepalli Radhakrishnan Road, Soldevanahalli, Bangalore-560 107, Karnataka INDIA.

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Outline

a) Infidata Technologies is the company highly specialized in design and development, E-commerce solutions, Corporate Training on various IT domains and more.

b) Acharya Institute of Technology is an Engineering college affiliated to VTU, providing education in the area of Engineering and Technology for both under graduates and post graduates.

c) The purpose of this M.O.U is with reference to exploring the areas of cooperation in terms of Internships, Workshops, Technical Training and Placements, benefiting both the Institute and the Company.

Areas of Cooperation

1. To impart training, internship, workshops to the students and staff of the Institute by the company.
2. To facilitate regular interaction between the faculty and students of the institute and the workforce of the Company.
3. Company to provide regular active inputs in the training of the students of the Institute.
4. The Institute and the Company shall explore the possibilities of mutual support in their learning, hiring, training, internships and research requirements based on mutual convenience.
5. **Confidentiality:** Each party shall maintain complete confidentiality of any information of the other, disclosed during the term of this M.O.U
6. There are no financial implications involved between Infidata Technologies and Acharya Institute of Technology as part of this MoU.
7. M.O.U represents a non-exclusive relationship between the parties and nothing contained herein shall preclude either party from participating/ initiating similar relationship with third parties.

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#2341, 2nd floor,16th 'B' cross
Yelahanka Newtown, Bengaluru-560064
+91 7090240240 | Info@infidata.in
www.infidata.in

8. This M.O.U may not be amended without the prior written consent of both the parties.
9. This M.O.U will be effective for one year from **01.01.2024**. This agreement can be renewed based on mutual convenience.
10. **Termination:** Either party can cancel or terminate this agreement unilaterally (and without reason), by giving an advance written notice of one month to the other.

IN WITNESS WHEREOF THE PARTIES have set their hands hereto on the day and year first herein above written under their respective seal of office.

Accepted and Agreed:

For Acharya Institute of Technology

Dr. Rajath Hegde M M

Principal

Date:

Seal: PRINCIPAL ACHARYA INSTITUTE OF TECHNOLOGY Soldevanahalli Bangalore-560 107

Witness 1:

Witness 2:

For Infidata Technologies

Mr. Nagamahesh B S

Director

Date: 01/01/2024

Seal: INFIDATA TECHNOLOGIES * BENGALURU - 64 *

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EVENT PROPOSAL	
Ref. No.	AIT/ISE/01
Department:	Department of Information Science & Engineering, AIT
Month:	January
Year:	2024
Name of Event:	**Short Term Training program on "Deep dive into AI & ML concepts and its applications"**
Target Audience:	5th Semester students
Date and Time:	22.01.2024 to 27.01.2024 (9:00AM to 4:30 PM)
Venue:	CSE/ISE Seminar Hall
Duration of the Event:	30 Hours
Objectives of the event:	➢ To understand the underlying notion and need of AI & ML for the modern world ➢ To learn the classification and neural network algorithms ➢ To demonstrate the working model of deep learning and prediction algorithms
Faculty in charge of submitting report:	Prof. Mary M Dsouza, Assistant Professor, Department of Information Science, and Engineering, AIT Prof. Pushpalatha K S, Assistant Professor, Department of Information Science and Engineering, AIT
Resource person(s) details	**Resource person from Industry** 1.Mr.Amith Kumar S Application Developer, Infidata Technologies.
	Resource persons from AIT 1.Dr. Kameshwara Prasad A J, Professor, Department of Artificial Intelligence and Machine Learning, AIT

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Remuneration Amount:	Rs.24,000/- (4 Days * Rs. 6000)		
Any support required from institute:	YES		
Monetary	YES	3 Mementos for the resource persons	
Personnel	-		
Physical Facilities	YES	1VIP Lunch (for 5 days), 2 snacks and tea (for 5 days) 3 Saplings, 10 water bottles (Half Litre)	
Any Other(Specify)	-	NIL	
		Submission status	If yes, date of submission & Status
Enclosures required:	1. Invite Letter	NO	
	2. Acceptance Letter	NO	NO
	3. Speaker profile	NO	-
	4. Students Attendance Sheet	YES	-
	5. Registration & Feedback form	YES	YES
	6. Report	YES	After 3 days of the workshop

Signatures and Approvals			
Event Coordinator	**Prof. Mary M Dsouza** **Prof. Pushpalatha K S** (Signature/e-sign with Date)	Institute Level Coordinator **Dr. Kusuma Devi G H**	(Signature/ e-sign with Date)
Head of Department	**Dr. Kala Venugopal** 18/1/24 (Signature/e-sign with Date)	**Dr. Rajath Hegde M M** Principal	(Signature/e-sign with Date)
Managing Director	(Signature/e-sign with Date)		

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Acharya Institutes email

MARY M DSOUZA AI002462 <mary2462@acharya.ac.in>

Short Term Training program on "Deep dive into AI & ML concepts and its Applications" for 5th Semester Students

1 message

ISE HOD <hod-ise@acharya.ac.in> Fri, Jan 19, 2024 at 1:11 PM
To: 20.beis@acharya.ac.in, 21.beis@acharya.ac.in, 22.beis@acharya.ac.in
Cc: ise <ise@acharya.ac.in>

Dear Students,
The Department of Information Science and Engineering in association **with Infidata Technologies** is organising a Short Term Training program on **"Deep dive into AI & ML concepts and its Applications",** from **22/01/2024** to **27/01/2024,** for the **5th semester students** of ISE Department.

The **Resource persons** for the Training are as follows:
1. Mr. Amith Kumar S, Application Developer, Infidata Technologies.
2. Dr. Kamashwara A J, Professor, Department of Artificial Intelligence and Machine Learning, AIT

This training program will help bridge the gap by giving you hands-on experience on AI & ML concepts and help you develop great projects in the final year. Kindly make use of the opportunity provided.
Certificates will be provided to the students on attending all the sessions.

Kindly note that Attendance is mandatory and will be marked in ERP. Strict actions will be taken on absentees.
Workshop will be conducted in the CSE/ISE Seminar hall.

PFA the Special Timetable for the week starting from 22.01.2024.

--
With warm regards

Dr. Kala Venugopal
Associate Professor & Head,
Department of Information Science & Engineering
Acharya Institute of Technology
Acharya Dr. Sarvepalli Radhakrishnan Road
Bengaluru, India
P: +91 080 22 555 555 Extn:2110
M: +91 9611123465
www.acharya.ac.in

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5th_STTPnClasses_timetable.docx
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InfiData

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Hesaraghatta Main Road, Bengaluru- 560107

Department of Information Science & Engineering, Acharya Institute of Technology is organizing a short term training program on "Deep Dive into AI & ML concepts and its applications"



Date: 22.01.2024 to 27.01.2024 | Time: 9:00AM to 4:30 PM
Target Audience: : 5th Semester students of InformationScience and Engineering
Venue: CSE/ISE Seminar Hall

ABOUT THE PROGRAM:

Objectives of the Program:

- To understand the underlying notion and need of AI & ML to the modern world
- To learn the classification and neural network algorithms
- To demonstrate the working model of deep learning and prediction algorithms

Program Outcomes (PO's)

- PO1.Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

ADVISORY COMMITTEE:

Dr. RAJATH HEGDE M M
Principal, AIT
Prof. C K MARIGOWDA
Vice Principal, AIT

CONVENERS:

Dr. Kala Venugopal
HOD, Department of Information Science & Engineering, AIT.

COORDINATOR:

Prof.Mary M Dsouza
Assistant Professor,
Dept. of Information Science & Engineering, AIT.
Mail id: mary2462@acharya.ac.in
Mobile: 9611434548

Prof.Pushpalatha K S
Assistant Professor,
Dept. of Information Science and Engineering, AIT.
Mail id: pushpalatha2391@acharya.ac.in
Mobile: 9916670888

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Resource Persons

Mr.Amith Kumar S
Application Developer, Infidata Technologies.





Dr. Kameshwara Prasad A J, Professor,
Department of Artificial Intelligence and Machine Learning, AIT

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DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING
ACHARYA INSTITUTE OF TECHOLOGY
Soldevanahalli, Hesaraghatta Road, Bangalore- 560 090, Karnataka, India.

A Short term program
on
"Deep dive into AI & ML concepts and its applications"

22nd January 2024 to 27th January 2024

Sl. No	Name	22.01.2024	22.01.2024	23.01.2024	23.01.2024	24.01.2024	24.01.2024	25.01.2024	25.01.2024	27.01.2024	27.01.2024
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	Sharanbasappa										
2	Venkatesh Kumar										
3	Varun Reddy	Varun	Varun	Varun	Varun	Varun	Varun	Varun	Varun	Varun	Varun
4	Vinay Kumar L										
5	Vashyanth.L										
6	Tharunyadav.C										
7	Purush.S.Gouda										
8	Prajwal Y.S										
9	Purya K.S										
10	S.Nilenkumar										
11	Ruthvik N.P										
12	Shreya.B										
13	Maithri.K										

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Sl. No	Name	22.01.2024	22.01.2024	23.01.2024	23.01.2024	24.01.2024	24.01.2024	25.01.2024	25.01.2024	27.01.2024	27.01.2024
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
14	Sindhu B Hulagur										
15	Sowmidhi Rao										
16	Shilpa.M.S										
17	Suhani.N.L										
18	Shail Kumari										
19	Sadhya Singh										
20	Somya Gupta										
21	Sneha Reddy N										
22	Shrinaksha										
23	Spoorthi. C. M										
24	SAHANA.N.MANOLI										
25	Sushmitha.R										
26	Triveni Mali										
27	Prathvi G.S										
28	Shwetha										
29	M. Shantha										
30	Sudha Bai										

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1	~~Anakkr Gupta~~										
2	~~Mohammad Aamir~~										
3	~~Ketan Hegde~~										
68	~~Nagashree P~~										
68	Ashish Ranjan Dayal	AR	AR	AR	AR	AR	AR	AR	AR	P	P
69	Chaitra Adiga	Chaitra	AB	Chaitra	Chaitra	AB	AB	Chaitra	Chaitra	Chaitra	Chaitra
70	Debojyoti Chowdhury	AB	AB	DC	DC	DC	DC	Debo	Debo	P	P
71	Navneet kumar	AB	AB	Navneet Kr	Navneet	Navneet kumar	Navneet kumar	AB	AB	AB	AB
72	Nayan Pethiya	AB	AB	Nayan	Nayan	Nayan	Nayan	Nayan	AB	AB	AB
73	Ajay Kumar	Ajay	Ajay	AK	AK	AK	AK	Ajay	AK	AK	AK
74	Lawanya Sahay	AB	AB	LS	LS	LS	LS	LS	LS	LS	LS
75	Krishan Pooniya	Krishn	AB	KP	KP	KP	KP	KP	KP	KP	KP
76	Hiranshu Roy	AB	AB	A	A	A	A	A	A	A	A
77											

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		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
18	Anushree. G. L										
19	Kavya. V. Gowdar										
20	KARTHIK										
21	Meghana Nail										
22	Aishwarya A. Elkal										
23.	Nithin. H-N										
24	Pavan. B										
25.	Manjunath										
26.	AJAY. R.										
27.	Nandish. N										
28	PRAJWAL H R										
29	Dheeraj JS										
30	Ishwari Mishra										
31	Anusha. G. A										
32	G. Samiksha Reddy										
33	Ankit Kumar Yadav										
34	HIMAMSHU B S										

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		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	Amarnath Shastrara	Amarnath						AB-	AB-	AB-	AB-
2	Anuj kumar Gupta	Anuj	Anuj	Anuj	Anuj	Anuj	Anuj	Anuj	Anuj	Anuj	Anuj
3	Manaswi ICR	Manaswi	Manaswi					AB-	AB-	AB-	AB-
4	Aadarsh prashar	Aadarsh						AB-	AB-	AB-	AB-
5	Ahzaan Sethi	Ahzaan						AB-	AB-	AB-	AB-
6	Anand Kumar	Anand	Anand	Anand		Anand	Anand	AB-	AB-	AB-	AB-
7	Chaithra.K										
8	Keerti gundnoor	Keerti	Keerti	Keerti	Keerti	Keerti	Keerti	Keerti	Keerti	Keerti	Keerti
9	Pragathi.B.V.	P	P	P	P						
10	Pooja.E									Pooja.E	Pooja.E
11	Pooja.V.	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
12	Anjitha.D	Anjitha	Anjitha	Anjitha	Anjitha	Anjitha	Anjitha	Anjitha	Anjitha	Anjitha	Anjitha
13	Abhigna.D.P	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna	Abhigna
14	Nitya	Nitya	Nitya	Nitya	Nitya	Nitya	Nitya	Nitya	Nitya	Nitya	Nitya
15	pujitha	M.pujitha	M.pujitha	M.pujitha	M.pujitha	M.Pujitha	M.pujitha	M.pujitha	M.pujitha	M.Pujitha	M.Pujitha
16	Kavana.M.Gowda										
17	Nagashree P										

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		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
52	Gunjan Prasad										
53	IRFAN.S										
54	Abhishek.s										
55	Karnan K.										
56	Asim Mlle Khan										
57	P. udaykiran Reddy										
58	T. Rakesh Kumar Reddy										
59	K. chethan										
60	Rohan Reddy										
61	[illegible]										
61	Srinivas I.V										
62	Sanjay Reddy										
63	Rupesh Kumar										
64	Aditi Roy										
65	Khushi										
66	Keerthi Gundanoor										
67	Chaithra. K										

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		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
35	Gautham Kulal										
36	Prajwal. H. Rao	Prajwal. H. Rao	Prajwal H R	Prajwal. H. Rao	Prajwal H. Rao	Prajwal. H. Rao	Prajwal. H. Rao	Prajwal. H. Rao	Prajwal. H. Rao		
37	Piyush Verma										
38	Nuthan Aradhya. T J	Nuthan	Nuthan	Nuthan	Nuthan	Nuthan	Nuthan	Nuthan	Nuthan	Nuthan	Nuthan
39	Adithya. N	Adithya N	Adithya N	Adithya N	Adithya N	Adithya N	Adithya N	Adithya N	Adithya N	Adithya N	Adithya N
40	Akash Shetty. B										
41	Bharath S	Bharath. S	Bharath. S	Bharath. S	Bharath. S	Bharath. S	Bharath. S	Bharath. S	Bharath. S	Bharath. S	Bharath. S
42	Chandan S										
43	Chetan M B										
44	Anjan P	CR			CR		CR	CR			
45	Abhishek Manjalur										
46	Ketan S Hegde										
47	Mohammad Aamir										
48	K. Karthik										
49	Darshan. VA										
50	Nijwal. K										
51	Nitesh Kumar Das										

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48	Sandeep Chauhan										
49	Sudeep T C										
50	Shravanth R Naik										
51	Rakesh V										
52	Yash Yadav										
53	Manoj Kumar P										
54	Darshan B S										
55	Rudresh P										
56	Prasad G										
57	Shivakumar V										
58	Yashwanth B R										
59	Siddharth C H										
60	Shashikiran T										
61	Vishal Gowda K P										
62	Sanjay N										
63	Suchitha R										
64	ROSHAN CHOLHANI										

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		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
31	Tahshim Ansary										
32	Priyangna Dutta										
33	Sourav kumar										
34	Sachin Singh										
35	Pavitra Sharma										
36	Satyajit Patra										
37	Preetham L.K										
38	S Bora Chandra										
39	Shivayogi Angadi										
40	Suyog .R										
41	Utkarsh Raj										
42	Shreyash Ko. Bhargav										
43	Kiran J. M.										
44	Yashwanth .S.S										
45	Prajwal T										
46	Praveen C Y										
47	Santosh Patil										

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ACHARYA **DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING**

A Report of

Short Term Training Programme

On

"Deep dive into AI & ML concepts and its Applications "

22nd January 2024 to 27th January 2024

Venue: CSE/ISE seminar hall, AIT

Organized by
Department of Information Science Engineering

ACHARYA

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Acharya Dr. SarvepalliRadhakrishnan Road, Bangalore-560 107

ADVISORY COMMITTEE	CONVENER	COORDINATORS
Dr. Rajath Hegde M M, Principal, AIT **Prof. C K Marigowda,** Vice Principal, AIT	**Dr. Kala Venugopal** HOD, ISE	Prof. Mary M Dsouza Prof. Pushpalatha K S

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Acharya Dr. SarvepalliRadhakrishnan Road, Bangalore-560 107

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Short Term Training Programme

On

"Deep dive into AI & ML concepts and its Applications "

Organized by

The Department of Information Science and Engineering,

Acharya Institute of Technology

In Association with Infidata Technologies

Objectives of the Programme :

- To understand the underlying notion and need of AI & ML to the modern world
- To learn the classification and neural network algorithms
- To demonstrate the working model of deep learning and prediction algorithms

Outcome:

Students were able to

CO 1: Gain a comprehensive understanding of the fundamental concepts underlying artificial intelligence (AI) and machine learning (ML).
CO 2:Explore various AI and ML algorithms, including supervised and unsupervised learning, reinforcement learning, and neural networks.
CO 3:Apply AI and ML concepts to real-world problems and datasets.
CO 4:Learn techniques for evaluating and optimizing AI and ML models for improved performance.

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CO- PO mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3											
CO 2	3	2										
CO 3	2	2										
CO 4		2										

Report on STTP

Department of ISE conducted a Short Term Training Programme on **"Deep dive into AI and ML concepts and its Applications"** in association with Infidata Technologies from 22/01/2024 to 27/01/2024 for the 5th semester students.

The programme started in CSE/ISE seminar hall at 9:00AM. Prof. Mary M Dsouza, Assistant Professor, Department of Information Science and Engineering, welcomed the resource person Dr.Kameshwar Prasad A J, Professor, Department of Artificial Intelligence and Machine Learning.Dr. Kala Venugopal, HOD, Department of Information Science and Engineering and the gathering. Expert from Infidata Technologies, Mr. Amith Kumar S, Application developer was also invited to conduct this training for ISE students.

During the STTP students were taught basics of Python, Tensor flow, Numpy, Pandas, Matplotlib required to implement machine learning algorithms. The STTP enabled students to implement various machine learning models. Later they were made to understand basic of Machine learning and implementation of various models.

The STTP ended with valedictory session by honoring resource persons and

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distributing e-certificates to students.

Resource Persons of workshop

1) Dr. Kameshwara Prasad A J, Professor,
   Department of Artificial Intelligence and Machine Learning, AIT

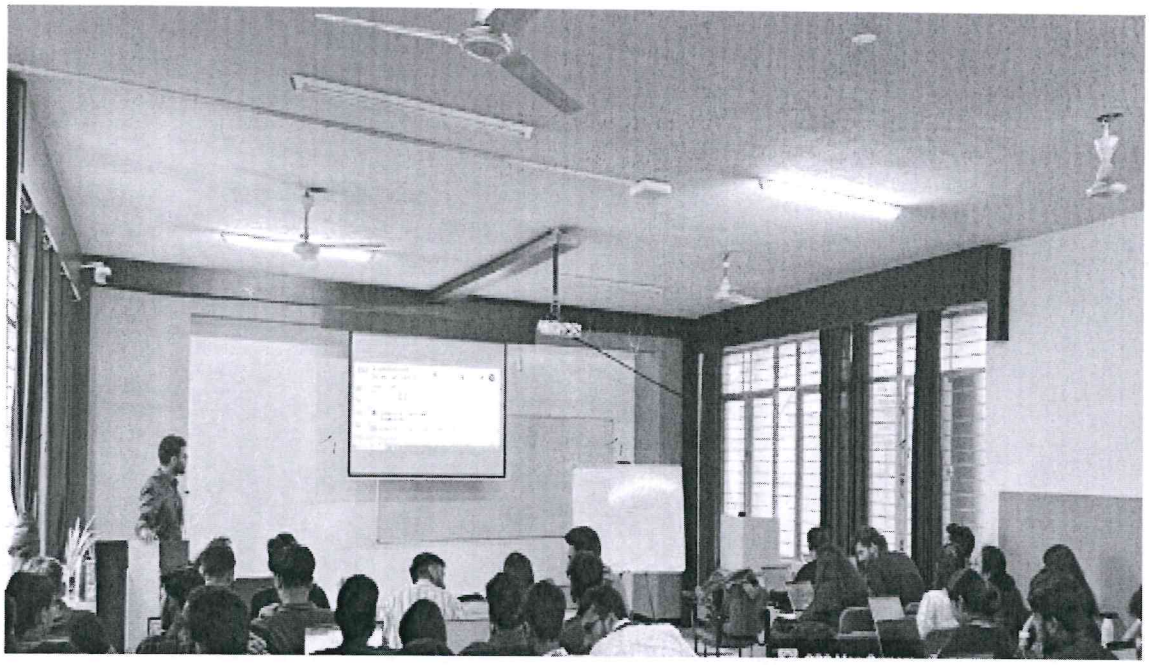
2) Mr. Amith Kumar S
   Application Developer, Infidata Technologies

Gallery of the Event

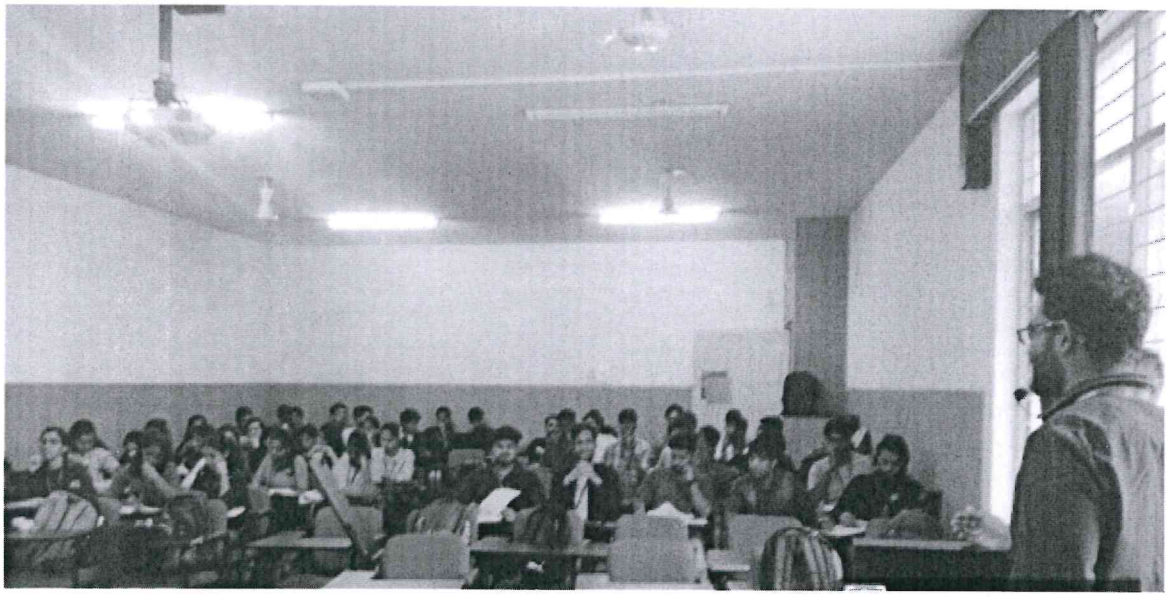


Inauguration of STTP

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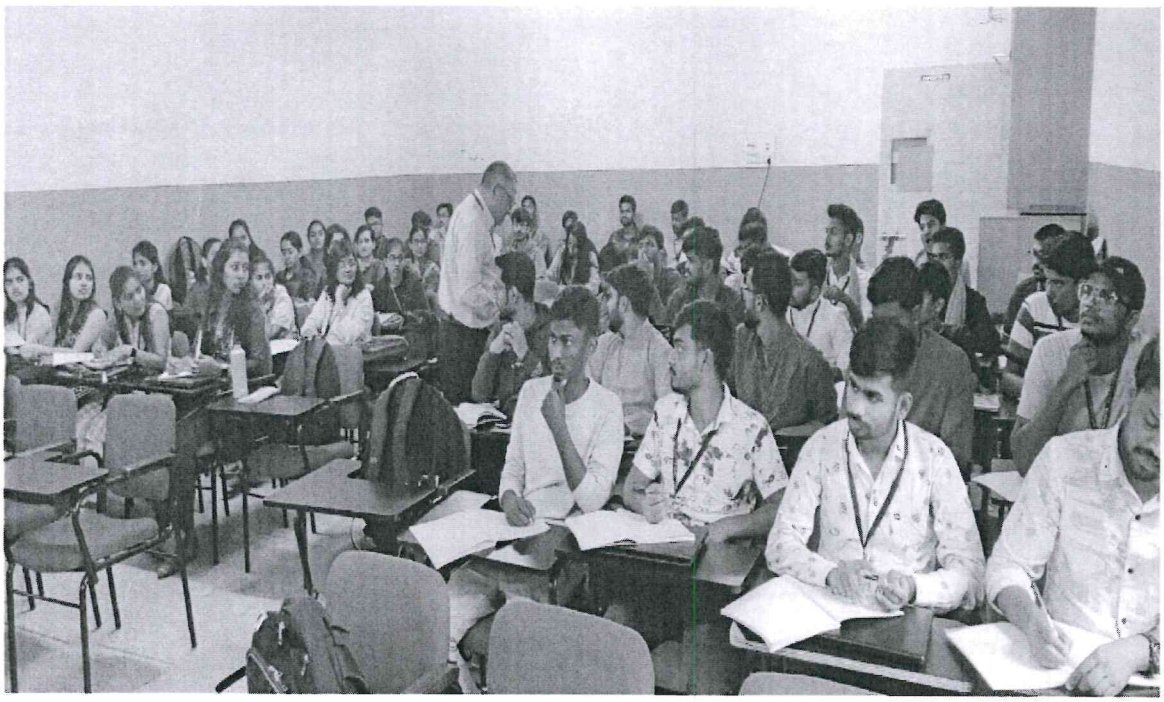
Session by resource person Mr. Amith Kumar S



Session by resource person Mr. Amith Kumar S

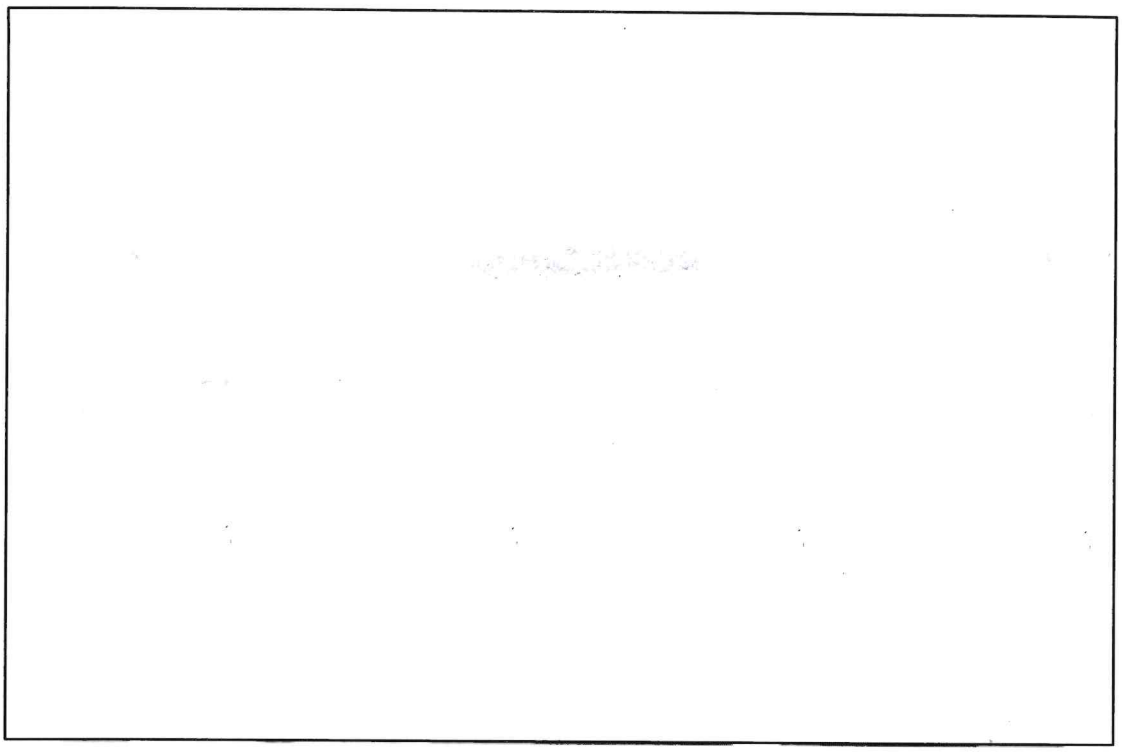
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SOLDEVANAHALLI, BENGALURU - 560 107





Sessions by resource person Dr. Kameshwar A J

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Valedictory session

Dr. Kala Venugopal

HOD, ISE

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ACHARYA INSTITUTE OF TECHNOLOGY

Acharya Dr. Sarvepalli Radhakrishnan Road, Bangalore-560 107

DEPARTMENT OF Information Science & Engineering

A Short Term Training Program On "Deep dive into AI & ML concept and its applications"

22nd to 27th January 2024

Feedback of workshop On "Deep dive into AI & ML concept and its applications"

1. How effectively did the training cover the fundamental concepts of AIML?
   a) Excellent b) Good c) Satisfactory d) Poor
2. Were the examples provided during the training clear and helpful in understanding AIMLconcepts?
   a)Excellent b) Good c) Satisfactory d) Poor
3. Did the program adequately address any specific challenges or questions you had about AIML?
   a)Excellent b) Good c) Satisfactory d) Poor
4. How would you rate the pace of the STTP? Was it too fast, too slow, or just right?
   a)Excellent b) Good c) Satisfactory d) Poor
5. Did the workshop provide valuable hands-on exercises or coding activities to reinforce learning?
   a)Excellent b) Good c) Satisfactory d) Poor
6. Were the instructor's explanations and demonstrations easy to follow and comprehend?
   a)Excellent b) Good c) Satisfactory d) Poor
7. Overall, how satisfied are you with the STTP, and what suggestions do you have for improvement?
   a)Excellent b) Good c) Satisfactory d) Poor

Suggestions if any

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DEPARTMENT OF Information Science & Engineering

5-Day Hands on workshop On "Object Oriented Programming with Java"

9th to 13th November 2022

Feedback of workshop On "Object Oriented Programming with Java"

1. How effectively did the workshop cover the fundamental concepts of Java programming?
   a) Excellent b) Good c) Satisfactory d) Poor
2. Were the examples provided during the workshop clear and helpful in understanding Java concepts?
   a)Excellent b) Good c) Satisfactory d) Poor
3. Did the workshop adequately address any specific challenges or questions you had about Java programming?
   a)Excellent b) Good c) Satisfactory d) Poor
4. How would you rate the pace of the workshop? Was it too fast, too slow, or just right?
   a)Excellent b) Good c) Satisfactory d) Poor
5. Did the workshop provide valuable hands-on exercises or coding activities to reinforce learning?
   a)Excellent b) Good c) Satisfactory d) Poor
6. Were the instructor's explanations and demonstrations easy to follow and comprehend?
   a)Excellent b) Good c) Satisfactory d) Poor
7. Overall, how satisfied are you with the Java workshop, and what suggestions do you have for improvement?
   a)Excellent b) Good c) Satisfactory d) Poor

Suggestions if any

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Department of Information Science and Engineering

Certificate of Participation

A Short Term Training Programme
on
"Deep dive into AI and ML concepts and its Applications"

This to certify that

Mr./Ms. **AADARSH PRASHAR**

bearing USN **1AY21IS001** participated in the Short Term Training Programme on **"Deep dive into AI and ML concepts and its Applications"** organized by the **Department of Information Science and Engineering**, Acharya Institute of Technology, Bengaluru in association with Infidata Technologies, Bengaluru from 22 nd January to 27 th January, 2024.

Dr. Kala Venugopal
HOD, ISE, AIT

Mr. Nagamahesh B S
Director, Infidata Technologies

Dr. Rajath Hegde M M
Principal, AIT

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Department of Information Science and Engineering

Certificate of Participation

A Short Term Training Programme
on
"Deep dive into AI and ML concepts and its Applications"

This to certify that

Mr./Ms. **ABHIGNA D P**

bearing USN **1AY21IS002** participated in the Short Term Training Programme on **"Deep dive into AI and ML concepts and its Applications"** organized by the **Department of Information Science and Engineering**, Acharya Institute of Technology, Bengaluru in association with Infidata Technologies, Bengaluru from 22 nd January to 27 th January, 2024.

Dr. Kala Venugopal
HOD, ISE, AIT

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Dr. Rajath Hegde M M
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L&T ch-89

M. KAILASH CHAND
STAMP VENDOR-L.No.11727/C/98
SAIDAPET, CHENNAI-15. ☎ 24401730

AGREEMENT

This Agreement is entered into at Bangalore on the 14th day of March 2024.

Between

Larsen & Toubro Limited, a company organized and validly existing under the laws of India, having a registered office located at L&T House, Narottam Morarji Marg, Ballard Estate, Mumbai - 400001, India and its business vertical L&T EduTech having its office at TCTC 1st floor, Mount Poonamallee Road, Manapakkam, Chennai 600089, India hereinafter referred to as "L&T EduTech" or First Party, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns, of the FIRST PARTY.

And

LARSEN & TOUBRO LIMITED L&T EduTech Chennai - 600 089

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Acharya Institute of Technology, affiliated to Visvesvaraya Technological University (VTU), Belagavi, having its registered office at Acharya Dr. S. Radhakrishnan Road, Acharya P.O Soladevanahalli, Bangalore-560107, Karnataka, India, hereinafter referred to as "ACHARYA" or "Second Party" unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns of the SECOND PARTY.

L&T EduTech and ACHARYA are hereinafter referred to as such or collectively as "the Parties" and individually as "Party".

WHEREAS

1. L&T is one of the leading engineering conglomerates operating at various parts of the globe providing technology, engineering, construction manufacturing and services including learning and assessment solutions and platforms through its EduTech business unit.
2. L&T EduTech is a new business unit from L&T, which aims to bridge the gap between industry and academia. The core objective would be to enhance the employability of students as well as aspiring professionals across various engineering & technology sectors. Keeping the focus on employability, L&T has launched a series of industry-led application-oriented programs under its product portfolio - L&T College Connect ("Integrated Program" or "College Connect Program").
3. ACHARYA has already been established as Acharya Institute of Technology, a higher education institution in Bangalore, Karnataka.
4. L&T EduTech will provide its Integrated Program to the students of ACHARYA.
5. ACHARYA has accepted L&T EduTech's offer and agrees to enrol its students for the Integrated Program under
   a. Advanced Practices in Construction
   b. Program in E-Mobility and Electric Vehicles
6. The Parties are desirous of entering into this Agreement to set out their mutual understanding in this regard.

NOW THESE PRESENTS WITNESSETH AND IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

1. Scope of the Agreement

1.1. L&T EduTech has developed a solution to bridge the industry-academia gaps in present-day curricula by providing application-oriented courses which are, in-tune with future requirements to deliver career & learning outcomes.

1.2. ACHARYA agrees to cooperate and provide the solicited inputs, infrastructure support etc. to L&T EduTech.

1.3. ACHARYA and L&T EduTech have agreed to provide the Integrated Program to the students of ACHARYA as set out in Annexure – 1 of this Agreement.

1.4. ACHARYA shall enrol students into the Integrated Program as set out in this Agreement.

1.5. L&T EduTech shall deliver the courses as set out in Annexure – 1.

1.6. The Parties shall set up a committee consisting of two members from each Party, who shall monitor the progress under this Agreement on a periodic basis.

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2. **Product Table**

Batch	Programs Offered	Number of courses	Minimum Enrolment	Fees per Learner per Year (Not incl. GST)	Total Course Fees per Learner (Not incl. GST)
2024-28	Advanced Practices in Construction (Civil Engineering)	6	30 Learners	Rs. 15,250	Rs. 61,000
2024-28	Advanced Specialization on Electric Vehicles (Electrical)	6	50 Learners	Rs. 15,250	Rs. 61,000

a. The number of learners and the fee per learner are as set out in this Agreement. The minimum enrolment strength for each program shall be as tabulated above. Any additional learner required shall be offered at per learner rate as indicated in the table above.
b. L&T EduTech shall launch the Courses/license/s on the start date of ACHARYA's academic calendar. ACHARYA shall invite the students to enrol into the Courses/licenses with immediate effect.
c. Launch of Courses/licenses would mean commencement of services rendered by L&T EduTech
d. The learner fee is exclusive of applicable taxes. The same shall be payable by the ACHARYA as per the statutory norms and at the rates prevailing from time to time.

3. **Payment Terms**

a. The pricing will be valid for 1 year from the date of signing the agreement and it will be renewed based upon mutual agreement subsequently.
b. The total investment is a committed value and will not change/vary due to the reasons of non-subscribing of any of the licenses by the students and/or students opting out of the programme for whatsoever reasons.
c. At the time of signing of the agreement, on production of invoice by L&T EduTech, Acharya Institute of Technology shall pay to L&T EduTech Rs. 12,20,000 ("the Base Amount") as an advance. ACHARYA will be permitted to advertise about the courses and begin enrolment of students for these courses only after payment of the Base Amount to L&T EduTech.

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d. For the enrolment year (2024-28) undergoing the Integrated Program, L&T EduTech shall raise invoice as per the schedule provided below. Payment shall be made within 10 days of the Invoice. Roll out of the courses shall commence only after receipt of the payment for the particular semester.

Tranche	Invoicing Schedule	Amount (Not incl. GST)
1	At the time of signing of the agreement	Rs 12,20,200 (up to 80 learners) and Rs 15,250 per learner above 80 learners
2	15th Jul-25 or 15 days before commencement - whichever is earlier	Rs 12,20,200 (up to 80 learners) and Rs 15,250 per learner above 80 learners
3	15th Jul-26 or 15 days before commencement - whichever is earlier	Rs 12,20,200 (up to 80 learners) and Rs 15,250 per learner above 80 learners
4	15th Jul-27 or 15 days before commencement - whichever is earlier	Rs 12,20,200 (up to 80 learners) and Rs 15,250 per learner above 80 learners

e. This engagement for the Integrated program is envisaged to continue on a year-to-year basis. The invoicing schedule for subsequent years shall be in 4 tranches as per the schedule provided below. Payment shall be made within 10 days of the Invoice. Roll out of the courses shall commence only after receipt of the payment.

Tranche	Invoicing Schedule	Amount (Not incl. GST)
1	15th Jul or 15 days before commencement of First Year	Rs 12,20,200 (up to 80 learners) and Rs 15,250 per learner above 80 learners
2	15th Jul or 15 days before commencement of Second Year	Rs 12,20,200 (up to 80 learners) and Rs 15,250 per learner above 80 learners
3	15th Jul or 15 days before commencement of Third Year	Rs 12,20,200 (up to 80 learners) and Rs 15,250 per learner above 80 learners
4	15th Jul or 15 days before commencement of Fourth Year	Rs 12,20,200 (up to 80 learners) and Rs 15,250 per learner above 80 learners

f. L&T shall set up a Center of Excellence (CoE) for delivering the Program in E-Mobility and Electric Vehicles in ACHARYA's campus with support of its Technology Partner after receipt of payment for first tranche for the first batch. The scope of deliverables for the CoE are detailed in the Annexure - COE.

ACHARYA PAN Number: AAICN2650C
ACHARYA GST Number: 29AAICN2650C1ZL

4. Obligations of ACHARYA

ACHARYA hereby agrees that it shall:

a) Promote the Integrated Program to students and to the general public as "Program in partnership with L&T EduTech". If any advertisements are released by the ACHARYA, the cost of such advertisement will be borne by the ACHARYA. ACHARYA will promote the College Connect Program Courses according to course descriptions given by L&T EduTech.

b) Enroll students within respective courses at the start of license date. The list of students enrolled can be shared with L&T EduTech and

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ACHARYA shall ensure that the correct name is printed in the certificate on successful completion.

c) Provide a point of contact for all administrative and support function to ensure smooth implementation of the courses.

d) Periodic review to ensure on track implementation and sharing feedback with L&T EduTech as soon as possible and any necessary action required.

e) Assign faculty members to be trained in the operation and maintenance of the CoE as detailed in the Annexure.

f) Provide necessary support for the establishment and operation of CoE in ACHARYA's campus

g) Ensure the timely payment of invoices as mentioned in the clause 3 (d).

5. **Obligations of L&T EduTech**

L&T EduTech hereby agrees that it shall:

a) Support in recommending the right courses as per the learning and career outcomes evinced for the students.

b) Ensure courses are live and available to students during the validity of the licenses.

c) Share schedule of course delivery as agreed with ACHARYA.

d) Provide SMEs for virtual or in-person classes as agreed course wise delivery.

e) Conduct assessments or other formalities course wise and issue certificate on successful complete.

f) Provide technical support to all enrolled students of ACHARYA regarding the online platform through which the courses are offered.

g) Allow students completing the program to register and build their profile in L&T EduTech Skill Exchange platform.

h) Facilitate placement opportunities for the students successfully completing the College Connect courses. Internship/placement for the learner shall be based on student meeting the required eligibility criteria for hiring.

i) Establish the CoE in E- mobility and Electric Vehicles in ACHARYA's campus with support of its Technology Partner for delivery of Program in E-Mobility and Electric Vehicles as detailed in Annexure, based on clause 3(f).

6. **Representation and Warranties**

a. The Parties hereby represent and warrant to each other that:

i. Entering into and performance of this Agreement does not and will not conflict with any law, governmental rule/regulation or cause a breach of any other agreement to which either of the Parties is a party.

ii. They are duly organised and validly existing entity, and it has the power and authority to enter into and perform this Agreement and the signatory to this Agreement is duly authorised by it.

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7. **L&T Logo usage and Co-branding**

a. ACHARYA will be provided with the option of using co-branded materials in its marketing campaign, certificates, student acquisition programs, etc., L&T EduTech shall provide ACHARYA with the marketing material and information and ACHARYA shall only use such material and information.

b. ACHARYA may utilize L&T EduTech's logo and brand material (collectively referred to as the "**Brand Material**") subject to the payment of license fees against the first invoice raised by L&T EduTech as set out in clause 3 above. It is hereby clarified that ACHARYA shall be entitled to use L&T EduTech's Brand Material subject to the timely settlement of any and all subsequent invoices raised by L&T EduTech.

c. L&T EduTech reserves the right to revoke the consent granted to ACHARYA to use its Brand Material at any time during the term of this Agreement. Upon such revocation ACHARYA shall cease using L&T EduTech's Brand Material with immediate effect.

d. Usage of L&T EduTech's Brand Material shall be subject to the brand guidelines and approval of marketing or promotional material by L&T EduTech.

8. **Term and Termination**

a. This Agreement shall be with effect from the date of signing hereto and shall remain valid for a period of five years unless terminated earlier.

b. This Agreement may be terminated by either of the Parties by giving three months written notice to the other Party.

c. Either Party ("**Aggrieved Party**") shall be entitled to terminate this Agreement forthwith by issuance of a written notice to the other Party ("**Breaching Party**") due to a (a) breach of the terms and conditions of this Agreement including non-adherence to the stipulated timelines, failure or refusal to pay the fees, breach of clause 10 (*Intellectual Property Rights*) etc. Provided that the Aggrieved Party shall provide the Breaching Party with a written notice ("**Notice**") informing it of the occurrence of such breach and the Breaching Party fails or refuses to rectify the breach within a period of 7 days from the date of receipt of notice. The requirement of Notice shall be dispensed with if the breach is irremediable in nature.

d. In the event of any termination, the ongoing College Connect Program shall be rendered to the students who had enrolled for the same prior to the termination of this Agreement. It is hereby clarified that the amounts paid by ACHARYA prior to termination of this Agreement for availing the courses shall not be refunded under any circumstances.

e. It is hereby agreed by the Parties that post termination of this Agreement for any reason, ACHARYA shall cease to provide the College Connect Program, either under the same name or a different brand name using the materials of L&T EduTech, to the students, and return all data, information of L&T EduTech that it may have access to and communicate to the students that the College Connect Program will be no longer offered through ACHARYA.

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9. Confidentiality

a. The Parties hereby agree that each Party may have access to Confidential Information of the other Party. Each of the Parties agrees that it shall keep confidential all the information disclosed by the other Party and will use the same only for the purposes of this Agreement.

b. Each of the Parties also agrees that it shall not disclose to any person or entity any of the terms, conditions or other facts with respect to any such possible transaction including the status, which is confidential information without the consent of the other Party.

c. For the purposes of this Agreement, Confidential Information shall mean any information provided by a Party to another Party under this Agreement, including but not limited to, financial, marketing, technical, IPR, design, customer/learner information (sourced by L&T EduTech / ACHARYA) or other information of the disclosing party.

d. The Parties also affirm that there shall not be any announcement made by either Party, till both Parties have approved the content of such an announcement.

e. Nothing in the above clause prevents a Party from disclosing any Confidential Information:

(a) to its employees, legal advisors and other consultants on a need-to-know basis (provided the Party uses reasonable endeavours to ensure that the relevant person is aware that the information is confidential and does not further disclose the information except in accordance with this clause);

(b) if required by law, or regulatory authority;

(c) to obtain any Regulatory or corporate approval, consent or authorization to enter into the transaction;

(d) if required in connection with enforcement of any right or in defence of any claim, legal proceedings or dispute resolution procedure relating to or arising out of this Agreement.

10. Intellectual Property Rights

a. Intellectual Property Rights: Any and all Intellectual Property Rights (hereinafter referred to as IPR) subsisting in the courses (now or in the future), including any and all patents, rights to inventions, copyright and related rights, trademarks, trade names and domain names, rights in get-up, rights in goodwill or to sue for passing off, rights in designs, rights in computer software, database rights, rights in confidential information (including know-how and trade secrets) and any other intellectual property rights, in each case whether registered or unregistered and including all applications (or rights to apply) for, and renewals or extensions of, such rights and all similar or equivalent rights or forms of protection which may now or in the future subsist in any part of the world).

b. ACHARYA agrees that all products/ such other things provided under this Agreement shall belong exclusively to L&T EduTech and no rights thereto shall accrue in any manner to ACHARYA.

c. Under no circumstances will ACHARYA be entitled to claim the IPR (or any right of any kind) for any product, process, methodology, patent or any other thing of any nature whatsoever in relation to this Agreement. Any IPR developed during the currency of this Agreement and all rights over the Courses to be delivered under this Agreement, shall be the sole

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property of L&T EduTech and ACHARYA shall not have a right to claim any right over the same merely by working on it or instrumental in developing the same.

d. ACHARYA shall not along with its student(s)/faculty/client(s)/sub-contractor(s) remove or alter any of the proprietary rights notices on any Confidential Information/courses it receives from L&T EduTech and will not attempt to recreate, update, modify, create derivative works, delete, destroy or deface the courses or Intellectual Property (or any part thereof) in any manner whatsoever. In no case shall ACHARYA or anybody connected to ACHARYA either directly or indirectly, apply for, or seek registration of, or in any way use in any country the patents, know-how, trademark or any other intellectual property, designs, copyrights, trademarks, trade names or logos which are identical or confusingly similar to the patents, know-how, trademark or any other intellectual property, marks, trade names, logos, designs, etc., belonging to L&T EduTech.

e. ACHARYA hereby fully confirms and commits that it shall take all necessary precautions, measures and steps to fully protect the Confidential Information of L&T EduTech from any unauthorized disclosure, misuse or infringement in any manner.

f. Upon any termination of this Agreement or upon breach by ACHARYA of any of the terms of this Agreement, ACHARYA shall cease using the L&T IPR and the courses forthwith.

11. Indemnity

a. Each Party ("Indemnifying Party") hereby irrevocably and unconditionally agrees to indemnify and hold the other Party ("Indemnified Party"), its directors, officers and employees harmless from and against any and all liabilities, losses, damages, costs, claims, or the like (collectively "**Loss**") which may be suffered or incurred directly, including but not limited to any claim by third party, by Indemnified Party as a result of (i) any misrepresentation or material breach of any representation or warranty made by the Indemnifying Party in this Agreement or (ii) non-fulfilment of or failure to perform any covenant or obligation or agreement or undertaking contained in this Agreement by the Indemnifying Party or (iii) violation of confidentiality and intellectual property rights of the Indemnified Party.

b. In no event shall the maximum liability of L & T EduTech under this Agreement exceed the amount of fees paid/payable by ACHARYA for a period of three months immediately preceding the date of the claim.

12. Notices

a. Except as otherwise specified in this Agreement, all notices, requests, consents, approvals, agreements, authorizations, acknowledgements, waivers and other communications required or permitted under this Agreement shall be in writing and shall be deemed to be given when sent by electronic mail to the electronic mail address specified below or delivered by hand to the address specified below. A copy of any such notice shall also be sent by registered mail or courier on the date such notice is transmitted by electronic mail, to the address specified below:

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In the case of L&T EduTech:

L&T EduTech, TCTC (First Floor), Larsen & Toubro Limited, Mount Poonamallee Road, Manapakkam, P.B.No.979, Chennai – 600 089.
E-Mail ID: collegeconnect@lntedutech.com

In the case of Acharya Institute of Technology:

Acharya Institute of Technology, Acharya Dr. S. Radhakrishnan Road, Acharya P.O, Soladevanahalli, Bangalore – 560107, Karnataka, India
E-Mail ID: principlait@acharya.ac.in

13. Non-Solicit

a. During the term of this agreement and for a period of thirty-six (36) months thereafter, ACHARYA shall not directly or indirectly, knowingly recruit, hire, engage or solicit for employment any technical or professional employee of L&T EduTech, its Affiliates, sub-contractors, vendors, etc. unless otherwise agreed to in writing by the Parties.

14. Exclusivity

a. The L&T EduTech hereby agrees and acknowledges that ACHARYA has executed similar agreements with third party course providers. Similarly, the ACHARYA hereby agrees and acknowledges that L&T EduTech shall be free to enter into similar agreements with third parties in respect of its College Connect Program. ACHARYA hereby agrees and states that it shall not share/disclose/use the course materials, or any information pertaining to the course or otherwise made available to it by L&T EduTech with such third-party course providers under any circumstances in any manner. It is hereby agreed between the Parties hereto that any such act on the part of ACHARYA gives L&T EduTech the right to terminate this Agreement.

15. Entire Agreement

a. This Agreement and the schedules, set forth constitute the entire agreement and understanding of the Parties with respect to the subject matter hereof, and supersedes all prior oral and written agreements, understandings, representations, conditions and all other communications relating thereto including any commercial and/or technical proposal made by ACHARYA to L&T EduTech.

16. Assignment Rights

a. ACHARYA shall not assign or transfer its rights and liabilities hereunder to any other party without the prior written permission of the L&T EduTech which will not be unreasonably withheld.

17. Survival

a. Any provision of this Agreement that by their content are intended to survive the performance, termination, expiration or cancellation of this Agreement shall so survive.

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18. No partnership

a. Nothing in this Agreement shall constitute or be deemed to constitute a partnership, agency or any other similar relationship between any of the parties and none of them shall have any authority to bind the others in any way, whether contractually or otherwise.

19. Severability

a. If any provision of this Agreement is held by a court of competent jurisdiction to be contrary to law, then the remaining provisions of this Agreement, if capable of substantial performance, shall remain in full force and effect.

20. Counterparts

a. This Agreement may be executed in any number of counterparts, each of which will be deemed an original, but all of which taken together shall constitute one single agreement between the Parties.

21. Amendment

a. This Agreement may be amended or modified in whole or in part with the mutual consent of the Parties to the Agreement in writing.

22. Costs of Enforcement

a. If either Party shall seek to enforce any provision of this Agreement, the prevailing party in any such legal action or proceeding shall be entitled to reasonable attorney's fees in addition to any other relief provided to the prevailing party.

23. Governing Law and Jurisdiction

a. This Agreement shall be governed by the laws of India. The Parties hereby agree that the courts in Chennai, India will have the exclusive jurisdiction to try any disputes by and between the Parties.

24. Arbitration

a. The Parties shall attempt in good faith, to resolve any controversy, claim, or dispute arising out of this Agreement through bilateral mutual negotiations. It is mutually agreed that in the event of any dispute or misunderstanding that might be arising between the Parties related to this Agreement, whether as to the interpretation of the terms and conditions contained herein and / or as to the determination of the respective rights and obligations, the Parties herein shall resolve the same by way of referring the dispute to the arbitration of the sole arbitrator to be appointed by mutual consent. If the Parties herein failed to arrive at a consensus for the appointment or a sole arbitrator, each Party shall be entitled to appoint an arbitrator of their choice and the arbitrators so appointed in this regard shall by consensus appoint a third arbitrator, thereby forming an arbitration panel to resolve the dispute between the Parties herein. Each Party shall be liable to bear the cost of their respective Arbitration, unless otherwise adjudged by the arbitration panel.

b. The award to be passed by the arbitration panel shall be final and binding on the Parties herein. The procedure as prescribed under the Arbitration of Conciliation Act 1996 shall be adopted in this regard. The law applicable shall be Indian Law and the venue of arbitration shall be Chennai, India.

LARSEN & TOUBRO LIMITED L&T EduTech Chennai - 600 089

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25. FORCE MAJEURE

The Parties shall be excused from delays in performing or from failing to perform its obligations under this Agreement or the indentures pursuant thereof to the extent the delays or failures result from causes beyond the reasonable control of the parties, including, but not limited to acts of God; wars; Governmental actions; fire; flood; epidemic; and freight embargoes. However, there shall be an obligation on such repudiating party to give notice to the other ("**Affected Party**") regarding the invocation of the Force Majeure clause at the earliest possible. The Affected Party shall have the right to terminate this Agreement if the other Party is prevented from performing its obligations due to the subsistence of the Force Majeure Event beyond a period of 7 days.

IN WITNESS WHEREOF, the Parties have hereunto set their hands and seals the day and year first above written.

For Acharya Institute of Technology

Authorised Signatory
Acharya Institute of Technology
PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
Soldevanahalli, Bangalore-560 107

Witnesses:

1.

2.

3.

For Larsen & Toubro Limited

LARSEN & TOUBRO LIMITED
L&T EduTech
Chennai - 600 089

Mrs. M F Febin
Head-CollegeConnect Business
L&T EduTech

Witnesses:

1. Mayank Rayan

2.

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Annexure – 1

Advanced Practices in Construction (Civil Engineering)		
S No.	Course Name	Credits
1	Building Information Modelling in Construction	3
2	Construction Equipment and Techniques	3
3	Formwork Engineering Practices	3
4	Deep Excavations, Foundations and Tunnels	3
5	Geospatial Techniques in Practice	3
6	Heavy Lifting Techniques & Machinery	3
	Total	18

Advanced Specialization on Electric Vehicles (Electrical)		
S No.	Course Name	Credits
1	Foundations of EV & Hybrid Vehicles	3
2	EV Battery Technology and Powertrain Development	3
3	EV Power Electronics & Embedded Systems	3
4	EV Charging Infrastructure, Vehicle Testing & Homologation	3
5	EV Vehicle Design & Analysis	3
6	EV PCB Design & Data Analytics	3
	Total	18

Semesterwise course distribution shall be mutually discussed and agreed.

Delivery Model			
S. No	Interventions		Duration
1	Student Orientation – Virtual Live	✓	0.5 hrs
2	Course Orientation - Virtual Live	✓	0.5 hrs
3	Online Self-Paced Content	✓	28 hrs
4	In Person Expert Sessions	✓	12 hours (2 days)
4	Mid assessment - Virtual Live	1 No.	1 hr
5	Virtual Instructor Led Expert Sessions	✓	4 hours (2 days)
6	Project work – online	✓	10 hrs
7	Final assessment - Virtual Live	✓	1.5 hrs
8	E – Certification for Eligible Students	✓	

The boarding and food accommodation for the trainers during in person training shall be borne by ACHARYA.

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LARSEN & TOUBRO LIMITED
L&T EduTech
Chennai - 600 089

(3)

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Approved by AICTE, New Delhi and Accredited by NBA & NAAC

Date -12/06/2024

Circular

Subject: Orientation Program for L&T EduTech Courses

The main aim of program is to familiarize students with the course content and the benefits of enrolling in the L&T EduTech program, enhancing their employability and technical expertise.

As per the direction of Principal AIT instructions, the students of second- and third-year civil engineering course are hereby invited to participate in the program.

Venue: Civil seminar hall, AIT, Bangalore

Time : 10.00 AM - 12.30 PM

Date : 12-06-2024

Sd/-

HOD,

DEPARTMENT OF CIVIL ENGINEERING,

AIT Bangalore-560107

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ACHARYA

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Report on Orientation Program for L&T EduTech Courses

Heading: L&T EduTech Courses Offered Under "Advanced Construction Practices"

Date: 12th June 2024

Venue: Civil seminar hall, AIT, Bangalore

Participants: Second- and Third-Year Students

Introduction

The Department of Civil Engineering successfully conducted an orientation program on June 12, 2024, to introduce the L&T EduTech Courses offered under the theme "Advanced Construction Practices." The program aimed to equip students with practical skills and knowledge essential for modern construction challenges.

Objective

The primary objective was to familiarize students with the course content and the benefits of enrolling in the L&T EduTech program, enhancing their employability and technical expertise.

Program Highlights

Welcome Address

The session began with a welcome address by the Prof Dhananjay M, highlighting the importance of advanced construction practices in today's industry.

Overview of L&T EduTech

A detailed presentation on L&T EduTech was provided, covering its mission, vision, and the significance of the collaboration with our department.

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Course Details

The courses offered include:

Building Information Modelling in Construction

Construction Equipment and Techniques

Formwork Engineering Practices

Deep Excavations, Foundations and Tunnels

Geospatial Techniques in Practice

Career readiness in Digital era

Expert Lectures

Industry experts Mr. Mayank shared insights on current trends and innovations in construction, emphasizing the need for continuous learning.

Interactive Q&A Session

Students engaged with the speakers, clarifying doubts about course content, career prospects, and the application process.



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Conclusion

The orientation program was a significant step towards preparing our students for successful careers in civil engineering. The collaboration with L&T EduTech promises to provide valuable industry-aligned education, bridging the gap between academia and industry requirements

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23-24

(A)

TNS INDIA FOUNDATION
Partners in Economic Transformation

This document constitutes a Memorandum of Understanding (MoU) between **TNS India Foundation (TNSIF)** and **Acharya Institutes, Bangalore**

This **MOU** is effective from **10 May 2024** ,hereinafter mentioned as **"Effective Date"** by and between **Acharya Institutes managed under J M J Education Society, Registered as No.490/91-92 dated 29/09/91 and located at Acharya Dr.Sarvepalli Radhakrishnan Road, Bangalore-560107 details of which are as given below.** and hereinafter referred to as "**College**", having PAN no. AAATJ3122G, represented by its **Director-Collaborations & Growth AND TNS India Foundation,** a charitable organization registered under Section 25 of the Companies Act 1956 and having its registered office at "302, Wellington Business Park-2, Andheri-Kurla Road, Andheri East, Mumbai - 400 059, India", hereinafter referred to as **"TNSIF",** represented by its **Managing Director, TNSIF, Rupa Bohra TNSIF** and **College** may hereinafter be individually referred to as "Party" and collectively referred to as the "Parties"

Background

ABOUT ACHARYA INSTITUTES

JMJ Education Society is the initiative of the visionary Shri B Premnath Reddy, who, in order to create a bench mark in the field of higher education, started Acharya Institutes in 1990.

Acharya Institutes is the Bangalore's largest composite academic facility within a sprawling 120-acreeco-friendly Wi-Fi campus housing more than 15000+ students from 85 different countries, offering 100 programmes in the streams of Engineering, Computer Applications, Architecture, Pharmacy, Management, Biotechnology, Nursing, Physiotherapy, Health Sciences, Science and Technology, etc. with affiliation to Visvesvaraya Technological University, Bangalore Central University and Rajeev Gandhi University of Health Sciences, Karnataka. Acharya Institutes is a private co-educational conglomeration comprising of several institutes, such as:

Acharya Institute of Technology affiliated to VTU

Acharya's NRN School of Architecture-affiliated to VTU

Acharya & BM Reddy College of Pharmacy affiliated to RGUHS

Acharya Polytechnic affiliated to DTE

Acharya Institute of Graduate Studies affiliated to Bangalore City University

Smt. Nagarathamma College of Nursing affiliated to RGUHS

Acharya School of Design affiliated Bangalore University

Acharya Institute of Allied Health Sciences affiliated to RGUHS

Acharya Institute of Physiotherapy affiliated to RGUHS

TNS India Foundation (TNSIF), a section 25 Company incorporated under the provision of The Companies Act, 1956 is conducting a "Campus to Technical Careers (C2TC) Program" for enhancement of employability and workplace skills for deserving youth in technical roles.

In this connection, TNSIF intends to be associated and work closely with **Acharya Institutes, Bangalore** to conduct employability training and career counseling sessions for the final year college students. This will

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CIN U85191MH2012NPL236277 | www.tnsindiafoundation.org

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include activities through the year, till students are placed few months beyond their final year examinations. Some features of the program are as follows:

1. Planned about 400-hour training program includes soft-skills and technical skills training. The training may include online instructor led sessions (virtual classroom type, delivered online through video-conferencing platforms like Zoom/Google Meet, or equivalent), videos, assignments, projects and internships (as available, for select students). Additional training for additional hours may be done and students enrolled for that on TNSIF's sole discretion.
   As part of the training, TNSIF will train students to be better prepared for entry level openings in technical roles at IT/ITES and related organizations. Some of the major modules as part of the training are listed below (this list is indicative only; not exhaustive or compulsory in any manner)
   Soft-skills (50-60 hours): personal and professional effectiveness, communication readiness, work & career readiness.
   Technical skills (320-350 hours): Java Enterprise Edition – consisting of core Java, Git, JPA, Hibernate, Spring, Spring Boot, HTML, CSS, JavaScript, TypeScript, SQL on MySQL. Couple of mini-projects are expected to be completed by trainees as part of Scrum Sprint teams.

2. The hours of training mentioned above will be delivered via Blended Learning approach i.e. online mode using platforms like Zoom, Google Meet or equivalent – as deemed necessary by TNSIF, and other modes like TNSIF's online learning platform, videos, assignments and projects. The program also includes individual student counselling during the program, which will be conducted via online/telephonic platforms, as well as post training and during placement counselling.

3. Training or post training interaction sessions will be conducted online only, in terms of scope of this MoU. In-college premises training, counselling or placement sessions, when they become feasible, would be done separately through mutual agreement between TNSIF and Acharya Institutes. For such a case, a separate MoU, or an addendum to the current MoU would be required.

4. TNSIF will not charge any money from students enrolled to attend the above-mentioned online training. Consequently, TNSIF requests the College authority also not to charge any additional cost to the students specifically for this training program.

5. Each training batch size will be between50-75 students. Sessions can be of duration between 2-4 hours per day, to be conducted 5-6 days per week, by trainers from TNSIF.
6. Counselling support is available on specified days for providing career guidance to students who are enrolled in this program.
7. Students will be provided a certificate on successful completion of course with minimum attendance criteria of 90%, and fulfilling the program's learning requirements.
8. Students will be further supported in job linkages and placements from the time of training completion till they are placed i.e. 6-10 months after their training is complete.
9. College is expected to allow the training and placement process for students enrolled by TNSIF.
10. College is expected to keep TNSIF informed about the employment status of students enrolled in TNSIF's program, specifically in case of alternative offers of employment that the students might have from interview options at campus. This is to ensure that TNSIF can keep recruiting partners informed – to help them plan their recruitment pipeline accurately.
    Likewise, TNSIF will also keep College informed about the enrolled students who secure employment offers through TNSIF's program.

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11. This MoU refers to the online delivered program only. All the above would be related to predominantly online delivery only.

For this purpose, TNSIF requests support of the College for the following:

1. Facilitating discussions and engagement with the 2023 current final year degree students and 2022, 2021 graduating batch wherever feasible. This involves the following:
   a. Assistance in student mobilization and
   b. batch scheduling with ongoing final year classes' schedules.
   c. Support in allocating batches (of about 50-75 students approximately) per batch for optimum utilization of resources and training effectiveness.
   d. Provide assistance w.r.t. conducting career events and drives, when relevant, and encourage continued student participation through communication from the College administration.
2. Facilitation support for the following:
   a. Conduct a Parent engagement session via online platform – as relevant.

Upon a request by TNSIF for this support, **Acharya Institutes** has agreed to support and provide the appropriate assistance to TNSIF.
Based on the above, this MOU lays out immediate next steps to be taken by both parties.

TNSIF agrees to -

1. Conduct online orientation sessions to make students aware about the program and register their interest.
2. Engage with students and form batches based on selection criteria for conducting the training program.
3. Conduct the Campus to Technical Careers (C2TC) Program using online platforms.
4. Provide career counselling support to students enrolled in this program.
5. Facilitate further linkages with training partners and prospective employers for interested and unplaced students.
6. Periodic placement reports of students linked to job opportunities will be provided to the college once placement activities commence.

Acharya Institutes agrees to –

1. Facilitate the dissemination of information regarding the C2TC Program to the incoming final year and recent graduates, and assist TNSIF to mobilize students.
2. Permit online sessions to be conducted via Zoom, Google Meet or any other equivalent applications deemed appropriate.
3. Providing a 'single point of contact' (SPOC) person who could be approached by TNSIF for any support related to this program – mainly for student communications and engagement.

Both parties agree that this MOU is neither a contract, nor is it legally binding in any way, nor does it commit any financial expenditure from or for either party but sets out the terms of understanding and collaboration between the parties for mutual and social benefits - in good faith. This MOU will commence on the Effective Date and will extend for a period of 12 months unless further extended or earlier terminated by TNSIF or the College upon thirty (30) days' written notice.

Both parties hereby agree to indemnify and hold harmless the other party, its affiliates, associates, officers, directors and employees - collectively and individually - against any direct or consequential commercial losses

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or damages it may suffer including reasonable legal fees arising from any perceived, direct or consequential breach of the terms of this MOU due to the other party.

Signed:

Name: Rupa Bohra
Managing Director,
TNSIF
10/05 / 2024

Name: IQBAL AHMED
DIRECTOR-COLLABORATIONS & GROWTH
Acharya Institutes, Bangalore
10 /05 / 2024

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Approved by AICTE, New Delhi and Accredited by NBA & NAAC

Date -1/6/2024

Circular

Subject: Orientation Program for MOU with TNS India Foundation on "Campus to Technical Careers for Web Development Using MySQL"

The main aim of the **Orientation Program for MOU with TNS India Foundation on "Campus to Technical Careers for Web Development Using MySQL"** is Training of Faculty / Scholars/ Students in Acharya Institute of Technology, by Conducting Workshops on the various Emerging Areas of Engineering and Science Education etc. among others.

As per the direction of Principal AIT instructions, the Faculty of various Departments are hereby invited to participate in the Workshop The Faculty are encouraged to participate above said programs by submitting the nomination to

Venue: Central Library, AIT, Bangalore
Time : 10.00 AM - 4.30 PM
Date : 12-06-2019

Sd/-

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Report on Orientation Program for MOU with TNS India Foundation on "Campus to Technical Careers for Web Development Using MySQL"

Date: 12th June 2024
Venue: Central Library, AIT, Bangalore
Attendees: 30 Students 5 faculties

1. Introduction

An orientation program was organized to mark the commencement of an MOU with TNS India Foundation on "Campus to Technical Careers for Web Development Using MySQL." The program was conducted over two days, on the 12th and 13th of June 2024, at our college. The program aimed to introduce students and faculty to the opportunities available in technical careers, focusing on web development using MySQL.

2. Program Overview

- **Date**: 12th June and 13th June 2024
- **Venue**: Seminar Hall, Engineering College
- **Participants**: 30 students and 5 faculty members
- **Facilitator**: TNS India Foundation

3. Objectives of the Program

- To familiarize students with the latest industry practices in web development.
- To provide hands-on training on MySQL and its applications in web development.
- To bridge the gap between academic learning and industry requirements.
- To establish a collaborative partnership with TNS India Foundation for future programs and initiatives.

4. Program Schedule

Day 1: 12th June 2024

- **10:00 AM - 10:30 AM**: Inauguration and Introduction to the MOU
- **10:30 AM - 11:30 AM**: Overview of Web Development Trends
- **11:30 AM - 12:30 PM**: Introduction to MySQL and its Importance in Web Development
- **12:30 PM - 01:30 PM**: Lunch Break
- **01:30 PM - 03:30 PM**: Hands-on Session: Setting Up MySQL and Basic Queries
- **03:30 PM - 04:30 PM**: Interactive Q&A Session

Day 2: 13th June 2024

- **10:00 AM - 11:00 AM**: Advanced MySQL Queries and Database Management
- **11:00 AM - 12:30 PM**: Building a Simple Web Application Using MySQL
- **12:30 PM - 01:30 PM**: Lunch Break
- **01:30 PM - 03:00 PM**: Real-World Case Studies and Best Practices in Web Development
- **03:00 PM - 04:00 PM**: Feedback and Future Opportunities with TNS India Foundation

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- **04:00 PM - 04:30 PM**: Valedictory Session and Distribution of Certificates

List of Students

Sl.no.	Student name	
1	Aravind Krishnan	
2	Meenakshi Ramesh	
3	Praveen Kumar	
4	Lakshmi Narayanan	
5	Srinidhi Ramachandran	
6	Kavya Venkatesh	
7	Gokul Raj	
8	Harini Subramaniam	
9	Nithin Chandrasekar	
10	Divya Kannan	
11	Varun Prasad	
12	Aishwarya Iyer	
13	Karthik Raju	
14	Swetha Shankar	
15	Vigneshwaran S.	
16	Ananya Ravi	
17	Mohan Raj	
18	Keerthana Reddy	
19	Rajesh Mani	
20	Sandhya Ram	
21	Akash Babu	
22	Ramya Krishna	
23	Deepak Reddy	

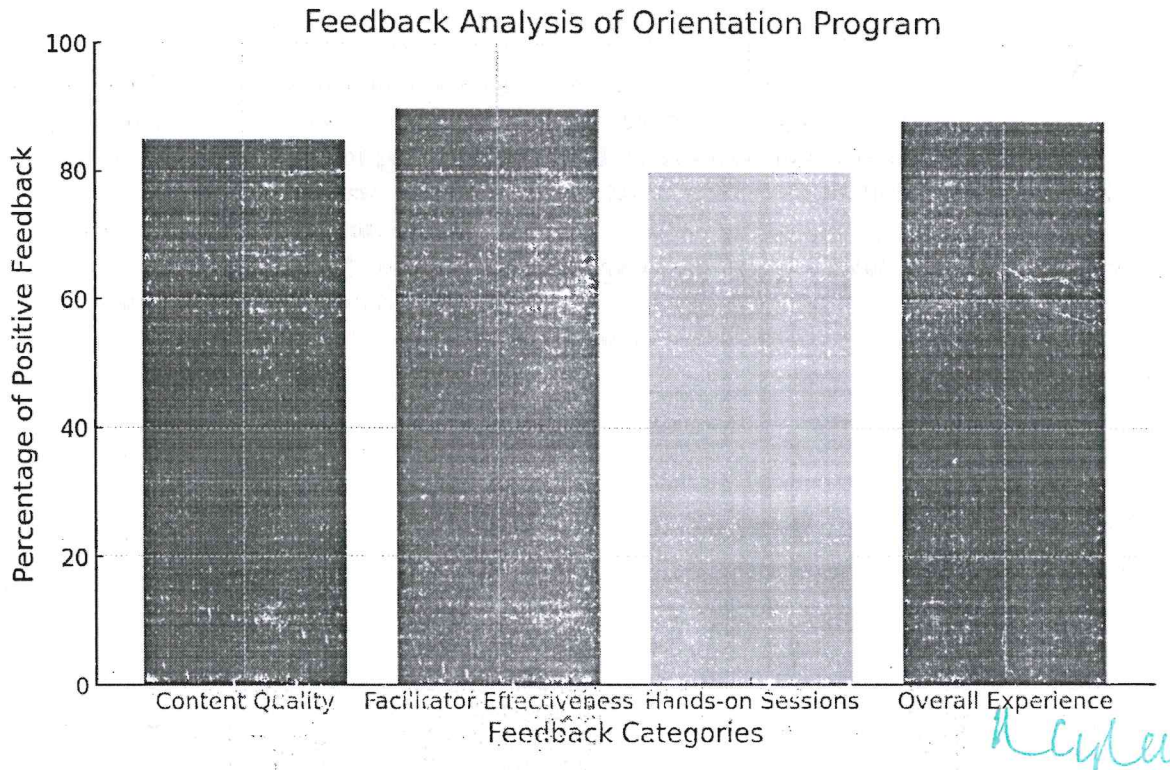
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24	Janani Natarajan	
25	Ramesh Baskar	
26	Nandhini Selvam	
27	Arun Kumar	
28	Soumya Mohan	
29	Senthil Vel	
30	Shreya Karthik	

Feedback

A feedback form was distributed among the participants to gather insights on the effectiveness of the program. The feedback was categorized into the following key areas:

- Content Quality: 85% of participants found the content highly relevant and well-structured.
- Facilitator Effectiveness: 90% rated the facilitators as excellent in terms of knowledge delivery and engagement.
- Hands-on Sessions: 80% of the students appreciated the practical sessions, emphasizing their usefulness in understanding MySQL.
- Overall Experience: 88% of participants rated the overall experience as highly satisfactory



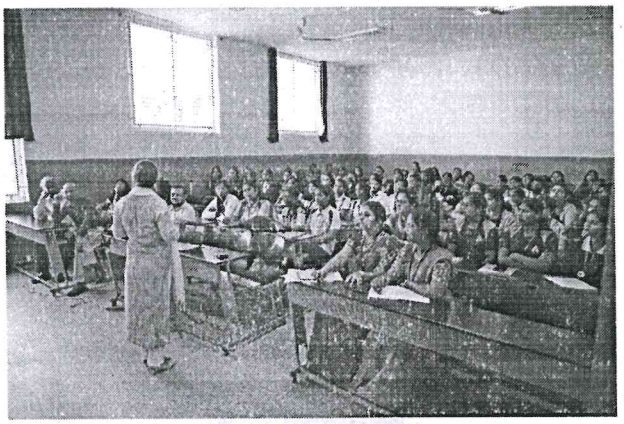
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Conclusion

The orientation program was successful in achieving its objectives and was well-received by both students and faculty. The collaboration with TNS India Foundation has opened new avenues for skill development in web development using MySQL, which will be beneficial for the students' careers.

The positive feedback received suggests that similar programs should be organized regularly to enhance the technical skills of students and faculty. We look forward to more such collaborations with TNS India Foundation in the future.





Photographs during theSession.

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(6) 2023-24

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Government of Karnataka

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Please write or type below this line

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is entered into on 4th day of January 2024 (the "Effective Date," which shall be the date on which this MOU is fully executed (hereinafter referred to as Effective date), by and between **Acharya Institute of Technology**, Acharya Dr.Sarvepalli Radhakrishnan Road, Bengaluru (hereafter referred to as "AIT"), located in Bengaluru, India, represented by its MD, Mr.Krishna Reddy Basani, Acharya Institutes, Bengaluru and **Tantalizers Alter Space,** 107/9-2, HNM Building, 3rd cross, Near Peenya Industrial Estate, II Block, Ist Stage, Ward 38, Bengaluru, Karnataka 560058, agree to explore the possibility of developing the highest quality programs to advance the needs to **AIT** and **Tantalizers Alter Space.**

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

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GLOBAL COOPERATIVE ... BANGALORE

... KARNATAKA GOVERNMENT OF KARNATAKA GOVERNMENT OF KARNATAKA GOVERNMENT OF

AIT and Tantalizers Alter Space are hereafter collectively referred to as the "Parties". It is hereby specifically agreed to between both the parties, that this is a broad based general agreement. Later both the parties would sit down and bring out another agreement/MOU which would deal with specific areas of mutual cooperation as also the commercials pertaining to the same.

Purpose

The purpose of this Memorandum of Understanding (MOU) is to define the frame work of engagement between the two organizations, which will facilitate exchange of knowledge and resources for mutual benefit.

1: ABOUT ACHARYA INSTITUTE OF TECHNOLOGY

Acharya Institute of Technology is a constituent college under the educational conglomerate Acharya Institutes. In its 33 years of existence, Acharya is a home away from home for nearly 3000 international students from 80 countries. With over 15000 students on its state of the art 120-Acre campus, Acharya is today the LARGEST Composite Academic facility in Bengaluru, the Silicon Valley of India. AIT is affiliated to Visvesvaraya Technological University, Belgaum, recognized by UGC and AICTE and NAAC Accredited. It is certified as "SIRO" by NSTEBD, Ministry of Science and Technology, GOI, New Delhi.

2: ABOUT Tantalizers Alter Space

Tantalizers Alter Space is at the forefront of developing next-generation propulsion systems that promise faster and more efficient space travel. Our engineers are working on ground breaking technologies that could alter the way we navigate the cosmos.

Tantalizers Alter Space is actively involved in projects aimed at exploring new frontiers and laying the groundwork for human colonization of other celestial bodies. Tantalizers Alter Space committed in setting a benchmark in work ethic, Professionalism, Attitude, Team Work, Camaraderie, and build healthy and friendly work environment with customers which makes us incomparable with competitors.

NOW THEREFORE IN CONSIDERATION OF THE MUTUAL COVENANTS AND PROMISES MADE HEREINAFTER THE PARTIES HERETO AGREE AS FOLLOWS:

3: SCOPE OF STRATEGIC ALLIANCE

Both the organizations agree to share their respective R & D facilities in order to promote academic and research interaction. There will be provision for mutual sharing of experts from "Tantalizers Alter Space" and resource persons from "AIT".

Internships / Training

Both AIT and Tantalizers Alter Space agree to provide internships / training to students in areas of general CFD, FEA, thermal simulation and the allied areas of common interest. This helps in motivating the students, understanding industry environment and practices, job profiles and

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projects they can undertake. This would foster a healthy academic environment for overall learning of CFD for future.

Joint R & D Projects

Research projects in the identified areas will be jointly undertaken by AIT and Tantalizers Alter Space, both the organizations will submit collaborative research projects to various national and international funding agencies. Both the organizations would ensure the successful completion of the funded research projects.

Faculty Members of AIT and staff of Tantalizers Alter Space will take up **faculty exchange programs**, FDP, and exchange of knowledge and resources for mutual benefit.

All confidential information between the two organizations shall be used exclusively for the purpose of the assigned project. However, confidentiality will not apply for such information which was already in the receiving party's possession prior to receipt from the disclosing party: or is at the time of disclosure already in the public domain or subsequently becomes available through no breach of this MOU by the receiving party.

4: GENERAL CONDITIONS

a). Each party will establish a single point of contact (SPOC) who will serve as the principle interface for the respective organization. On behalf of AIT, Dr. Swetha S, will be the SPOC and on behalf of Tantalizers Alter Space, Mr. Karunesh Parakh will be the SPOC.

b). All the faculty members who become part of such consultancy, research and development work will have to sign a Non-Disclosure Agreement with their respective organizations.

c). This MOU will be valid for a period of **three years** from the date of this agreement and may be extended thereafter if both the parties so desire.

d). Detailed micro level agreement will be entered into subsequent to this MOU. It is also hereby specifically agreed between both the parties that they will submit jointly proposals wherever required and found feasible.

e). The activities of mutual engagement listed above is not complete and exhaustive. Tantalizers Alter Space and AIT personnel are free to identify areas of common interest and to take up tasks that will be mutually beneficial.

f). Amendments or modifications to this MOU will not be valid unless the same is made in writing by all the parties concerned or through their authorized representatives and specifically making the same as an addendum or amendment to this agreement. The same shall be effective from the date on which they are made/executed unless otherwise agreed upon.

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5: TERMS OF THE AGREEMENT

This agreement will remain valid for a period of three years commencing from the date of signing this agreement, unless terminated earlier pursuant to the provision contained under clause 6 herein. The parties with their mutual consent can extend the validity of this agreement for such period and upon such terms as may be mutually agreed from time to time.

6: TERMINATION AND EFFECT

6.1 This agreement can be terminated before expiry of tenure in the following manner:

A. Forthwith by mutual consent in writing or in case either party commits breach which by nature cannot be cured, within five (5) working days

B. By either party upon giving a one-month (30 calendar days) notice in writing to the other party without assigning any reason.

7: CONFIDENTIALITY

7.1 All information, documents, data, records, software, files etc. (whether technical, financial or commercial including customer information) in any form, media, whether electronic, digital or optic, communicated/supplied by either party to the other party or acquired during the course of association (hereinafter referred to as "Confidential Information"), shall be deemed to be confidential or proprietary in nature. The Confidential Information shall be held in utmost secrecy, strictest confidence and trust by the receiving party.

7.2 Both parties agree not to directly or indirectly use or permit the use, divulge or disclose such Confidential Information to any third party for any purpose other than for carrying out the obligations under this agreement or statutorily required to be disclosed.

08: ARBITRATION, JURISDICTION AND GOVERNING LAWS

All claims dispute and differences of whatsoever nature arising out of this Agreement, raised by the either party under this Agreement whether during its term or after expiry thereof or prior termination shall be referred for arbitration by a sole Arbitrator appointed with mutual consent of the parties. The venue/place/seat of the Arbitration shall only be Bengaluru. Arbitration proceedings shall be conducted in English language as per the provisions of the Indian Arbitration and Conciliation Act, 1996 including any statutory modification or reenactment.

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IN WITNESS WHEREOF THE PARTIES ABOVE NAMED HAVE SIGNED THE MOU HAVING ACCEPTED AND SIGNED IN THE PRESENCE OF THE FOLLOWING WITNESSES:

For Acharya Institute of Technology

Dr. Rajath Hegde M M
Principal
Acharya Institute of Technology

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ACHARYA INSTITUTE OF TECHNOLOGY
Soldevanahalli, Bangalore-560 107

For Tantalizers Alter Space, Bengaluru

KARUNESH PARAKH
CEO
TANTALIZERS ALTER SPACE LLP
LLPIN : AAZ-8034

Tantalizers Alter Space

Witness:

ACHARYA INSTITUTES
Office of International Affairs & Collaboration
BANGALORE

Mr. Iqbal Ahmed
Deputy Director, Collaborations
Acharya Institutes, Bengaluru

Mr. Abhishek
Associate Engineer
Tantalizers Alter Space
Bengaluru

Dr. Swetha S
Head of the Department
Aeronautical Engineering
Acharya Institute of Technology
Bengaluru

Head of the Department
Aeronautical Engineering
Acharya Institute of Technology
Bangalore - 560 107

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6.a

ACHARYA

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DEPARTMENT OF AERONAUTICAL ENGINEERING
BENGALURU - 560107

Event Name: A Workshop on Fabrication of Ornithopter

Date: 19/2/2024 to 23/2/2024

No. of participants: 50

Resource Person: Mr. Karunesh Parakh, CEO, Tantalizers' Alter Space

Objectives:

- To provide participants with a solid foundation in the principles of aerodynamics, fight mechanics, and propulsion systems specific to Ornithopter.
- To Facilitate practical learning through hands-on sessions where participants work on designing and prototyping their Ornithopter.
- To Explore cutting-edge technologies in the UAV industry, including sensor integration, communication systems, and autonomy features.
- To develop teamwork and collaboration skills by function effectively as a team member.

Sl.No.	Outcomes of the event	POs Mapped	PSOs Mapped
1	Acquire the knowledge of modern tools/ methodologies/technologies.	1,2,3,4,5	1,2,3,4
2	Use the environment appropriately and wisely to leverage for engineering applications.	7	
3	Put ethical behavior, show professionalism, and become responsible.	8	
4	Bring and share the joy of group work by individual excellence.	9,11	
5	Communicate clearly both the problem and solution in a diverse work culture.	10,12	

Report:

The workshop on the fabrication of Ornithopter was held on 19th February 2024 to 23rd February 2024 which provided an insightful and practical learning experience for participants interested in the field of aerospace engineering and UAV technology. Held over the course of three days, the workshop aimed to

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equip students with the knowledge, skills, and hands-on experience necessary to design and build functional Ornithopter prototypes.

Workshop Schedule	Session 1	Session 2
Day 1: Introduction and Team Formation	• Welcome address and overview of the challenge. • Lecture on the basics of Ornithopter aerodynamics, including lift, drag, stability, and control.	• Formation of teams (3-4 students per team). • Brainstorming session on initial Ornithopter design ideas.
Day 2: Design and Planning	• Detailed lecture on Ornithopter design considerations (materials, weight distribution, wing shape, etc.).	• Teams sketched their Ornithopter designs and created a list of required materials. • Introduction to tools and materials provided for construction.
Day 3: Construction	• Hands-on construction of Ornithopter using provided materials (balsa wood, glue, foam, etc.).	• Continuous iteration and modification based on practical challenges encountered. • Mid-day check-in with instructors for feedback and troubleshooting.
Day 4: Testing and Optimization	• Initial flight tests conducted outdoors. • Teams recorded flight performance (distance, stability, duration).	• Analysis and troubleshooting of flight issues (e.g., balancing weight, adjusting wing angles). • Final modifications and optimizations based on test results
Day 5: Competition and Evaluation	• Final flight competition, judged on criteria such as distance, stability, and flight time.	• Presentation of each team's design process, challenges faced, and solutions implemented. • Awards ceremony for top-performing teams.

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Thank you!!!

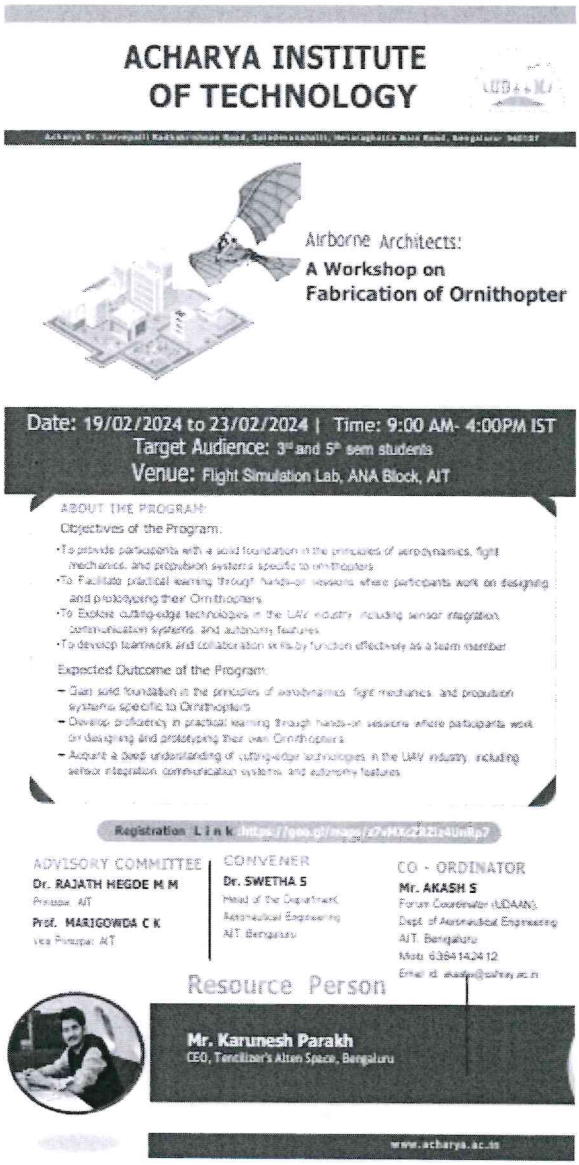
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6.b

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DEPARTMENT OF AERONAUTICAL ENGINEERING
BENGALURU - 560107

Event Name: Virtual Skies: Flight Simulation Experience

Date: 18/12/2023 to 22/12/2023

No. of participants: 50

Resource Person: Mr. Karunesh Parakh, CEO, Tantalizers' Alter Space

Objectives:

- To provide practical knowledge of flight simulation and its applications.
- To enhance students' understanding of aviation theories and principles.
- To develop critical thinking and problem-solving skills in real-world scenarios.
- To foster teamwork and collaboration among students through group activities.

Sl.No.	Outcomes of the event	POs Mapped	PSOs Mapped
1	Enhanced understanding of aviation and flight mechanics.	1,2	
2	Improved navigation and flight planning skills	3	
3	Knowledge of safety protocols and emergency procedures	1,4	
4	Development of teamwork and problem-solving skills	9,4	1,3

Report:

From 18/12/2023 to 22/12/2023, the third-year students of department of aeronautical engineering participated in a five-day immersive experience called "Virtual Skies: Flight Simulation Experience." This program aimed to enhance students' understanding of aviation concepts, flight mechanics, and the role of technology in modern aviation through hands-on simulation exercises. The experience provided third-year students with a comprehensive and engaging introduction to aviation. The combination of theoretical knowledge and practical simulation exercises allowed students to gain valuable insights into the complexities of flight operations and the role of technology in aviation. The program successfully met its objectives and received positive feedback from participants, indicating its effectiveness as an educational tool.

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Workshop Schedule	Session 1	Session 2
Day 1: Introduction to Flight Simulation	• Welcome and Orientation • Introduction to flight simulation technology and its applications • Overview of the flight simulator setup and controls	• Basic flight principles and aerodynamics lecture • Hands-on practice with flight simulator (basic maneuvers)
Day 2: Navigation and Flight Planning	• Introduction to navigation systems and instruments • Flight planning basics	• Group activity: Create a flight plan for a short route • Simulated flight based on the created flight plan
Day 3: Weather and Its Impact on Flight	• Understanding meteorology and weather patterns • The impact of weather on flight operations	• Simulating different weather conditions • Group discussions on managing weather-related challenges
Day 4: Emergency Procedures and Safety	• Safety protocols and emergency procedures in aviation • Case studies of historical aviation incidents	• Simulated emergency scenarios and response strategies • Debrief and analysis of the simulation outcomes
Day 5: Advanced Maneuvers and Final Assessment	• Advanced flight maneuvers and techniques • Review of the week's learning outcomes	• Final simulation assessment (individual performance) • Feedback session and presentation of certificates

Thank you!!!

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DEPARTMENT OF AERONAUTICAL ENGINEERING
BENGALURU - 560107

Event Name: Value added Program on Wings of Tomorrow a Virtual Flight Simulation

Date: 08-01-2024 to 12-01-2024

No. of participants: 66

Resource : Mr. Karunesh Parakh, CEO, Tantalizers' Alter Space

Objectives:

- To Bridge Theory and Practice of aviation
- To experience Hands-On Proficiency
- To Understand Dynamic Aircraft Simulation
- To Inculcate Teamwork Excellence.

Sl.No.	Outcomes of the event	POs Mapped	PSOs Mapped
1	Acquire the knowledge of modern tools/ methodologies/technologies.	1,2,3,4,5	1,2,3,4
2	Use the environment appropriately and wisely to leverage for engineering applications.	7	
3	Put ethical behavior, show professionalism, and become responsible.	8	
4	Bring and share the joy of group work by individual excellence.	9,11	
5	Communicate clearly both the problem and solution in a diverse work culture.	10,12	

Report:

The workshop successfully bridged the gap between theory and practice in aviation by providing participants with hands-on proficiency, understanding dynamic aircraft simulation, and inculcating teamwork excellence. Participants gained practical experience, enhanced their understanding of aviation dynamics, and developed essential teamwork skills essential for success in the aviation industry. Moving forward, similar workshops and training programs should be organized to further strengthen the link between theory and practice in aviation education and training. Conveners are SATISH K, Head of Chemistry Department and Dr. Swetha S ,Head of Aeronautical Engineering, AIT

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Schedule	Session 1	Session 2
Day 1: Introduction to Flight Simulation	• Welcome and Orientation • Introduction to flight simulation technology and its applications • Overview of the flight simulator setup and controls	• Basic flight principles and aerodynamics lecture • Hands-on practice with flight simulator (basic maneuvers)
Day 2: Navigation and Flight Planning	• Introduction to navigation systems and instruments • Flight planning basics	• Group activity: Create a flight plan for a short route • Simulated flight based on the created flight plan
Day 3: Weather and Its Impact on Flight	• Understanding meteorology and weather patterns • The impact of weather on flight operations	• Simulating different weather conditions • Group discussions on managing weather-related challenges
Day 4: Emergency Procedures and Safety	• Safety protocols and emergency procedures in aviation • Case studies of historical aviation incidents	• Simulated emergency scenarios and response strategies • Debrief and analysis of the simulation outcomes
Day 5: Advanced Maneuvers and Final Assessment	• Advanced flight maneuvers and techniques • Review of the week's learning outcomes	• Final simulation assessment (individual performance) • Feedback session and presentation of certificates

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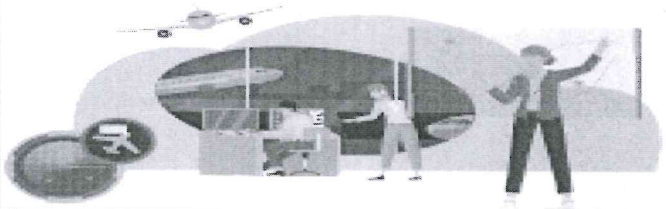
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Tantalizers Alter Space

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Hesaraghatta Main Road, Bangalore- 560107

DEPARTMENT OF CHEMISTRY AND AERONAUTICAL ENGINEERING AIT
IN ASSOCIATION WITH TANTALIZERS ALTER SPACE



"Value added Program on Wings of Tomorrow: A Virtual Flight Simulation"

Date: 08-01-2024 to 12-01-2024 | Time: 10:00 AM to 4:00 PM

Target Audience: First Year Aeronautical Engineering Students of Acharya Institute of Technology.

Venue: Flight Simulator Lab ANA Block AIT and TANTALIZERS ALTER SPACE Industry

ABOUT THE PROGRAM:

An Aeronautical Hands-on equips participants with skills to drive innovation, start successful ventures, and contribute to aeronautical industry growth. Through hands-on activities, it focuses on entrepreneurial thinking and navigating industry challenges for economic and societal advancement.

Objectives of the Program:

- To Bridge Theory and Practice of aviation
- To experience Hands-On Proficiency
- To Understand Dynamic Aircraft Simulation
- To Inculcate Teamwork Excellence

Expected Outcome of the Program:

- Attain hands-on expertise in the operation and management of flight simulator systems.
- Cultivate proficiency in simulating diverse flight conditions, environments, and scenarios.
- Deepen understanding of aircraft systems, avionics, and flight dynamics through practical, experiential learning.

ADVISORY COMMITTEE:

Dr. RAJATH HEGDE M M
Principal, AIT

Prof. C K MARIGOWDA
Vice Principal, AIT

Dr. RAJANNA K R
Dean Student Affairs, AIT

CONVENERS:

Dr. SATISH K
Head,
Department of Chemistry, AIT

Dr. Shwetha S
Head,
Department of Aeronautical, AIT

COORDINATORS:

Dr. Harish MNK
Professor, Dept of Chemistry, AIT
Email-ID: harishmnk@acharya.ac.in
Mobile: +91 94499 51092

Prof. Viswanatha H M
Asst. Professor, Dept. of Chemistry, AIT
Email-ID: viswanatha2727@acharya.ac.in
Mobile: 7483066717

Registration Link/Form: https://forms.gle/jtZASZWSBPN2Jbcz7

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BENGALURU - 560107

Resource Persons

Mr. Karunesh parakh
CEO of Tantalizers alter space





Mr. Koushik Guptha
Client Advisor at tantalizers alter space

	EVENT SCHEDULE
DAY 1	**Session 1:** Basic principles of flight: aerodynamics, control surfaces, and aircraft axes. **Session 2:** Introduction to the flight simulator software and hardware. **Session 3:** Walk through all the Aeronautical Labs to enhance the learning of avionics, aerodynamics, propulsion and structure.
DAY 2	**Session 4:** Introduction on the different types of aircraft (commercial, general aviation, military, etc.) **Session 5:** Introduction to perform take off, cruise, coordinate turn and landing with aircraft in the flight simulator. **Session 6:** Hands-on experience: familiarization with cockpit controls and instruments.
DAY 3	**Session 7:** Introduction on the flight rules and regulations. Tea break. **Session 8:** Introduction to perform takeoff and landing in the gusty weather conditions. **Session 9:** Hands-on experience: familiarization with cockpit controls and instruments.
DAY 4	**Session 10:** Introduction to Cross-country flight simulation: longer flights with navigation and weather challenges. **Session 11:** To study different airfoils and determining its characteristics using ESIT and ANSYS. Lunch break. **Session 12:** Hands-on experience: familiarization with cockpit controls and instruments.
DAY 5	**Session 13:** Familiarization with the flight indicators. **Session 14:** Introduction to flight data gathering. **Session 15:** Q&A session with flight simulation experts & assessment. Closing remarks, feedback collection, and networking opportunities.

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6.C

ACHARYA

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DEPARTMENT OF AERONAUTICAL ENGINEERING
BENGALURU - 560107

Event Name: "Workshop on Wings of Innovation: Scale Model Aircraft Design"

Date: 17/04/2023 to 21/04/2023

No. of participants: 50

Resource Person: Mr. Karunesh Parakh, CEO, Tantalizers' Alter Space

Objectives:

- To introduce students to the fundamentals of aircraft design.
- To provide hands-on experience in building and testing scale model aircraft.
- To encourage innovative thinking and problem-solving skills in aerodynamics.
- To guide the teamwork and collaboration among students.

Sl.No.	Outcomes of the event	POs Mapped	PSOs Mapped
1	Understand aircraft design and aerodynamics through theoretical and practical sessions	1,2	
2	Hands-on experience with building and testing scale models.	3,4	
3	Understand real-world engineering challenges and solutions.	1,4	1,2

Report:

The Department of Aerospace Engineering organized a five-day workshop titled "Wings of Innovation: Scale Model Aircraft Design" from 17/04/2023 to 21/04/2023. The workshop was specifically designed for third-year students to enhance their understanding and practical skills in aircraft design and aerodynamics. The workshop was a significant success, providing third-year students with essential skills and knowledge in aerospace engineering.

Workshop Schedule	Session 1	Session 2
Day 1: Introduction to Aircraft Design	• Inauguration and Welcome Address by the Head of the Department.	• Workshop on Design Tools and Software (e.g., CAD).

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	• Lecture on the Basics of Aircraft Design and Aerodynamics. • Introduction to Scale Model Aircraft.	• Practical Session: Sketching Initial Aircraft Designs.
Day 2: Aerodynamics and Materials	• Lecture on Aerodynamic Principles and Forces Acting on an Aircraft. • Overview of Materials Used in Model Aircraft Construction.	• Practical Workshop on Selecting Materials. • Hands-on Activity: Constructing the Fuselage and Wings
Day 3: Building the Scale Model	• Detailed Session on Wing Configuration and Tail Design. • Practical Workshop on Assembling Aircraft Components.	• Continuation of Assembly: Attaching Wings and Tail. • Introduction to Aircraft Stability and Control.
Day 4: Testing and Modification	• Lecture on Flight Testing and Data Collection. • Preparation for Initial Test Flights	• Conducting Test Flights: Recording Data and Observations. • Analyzing Test Results and Identifying Areas for Improvement.
Day 5: Final Adjustments and Presentation	• Making Final Adjustments Based on Test Flight Data. • Preparing for the Final Flight Demonstration.	• Final Flight Demonstrations and Performance Evaluation. • Presentation of Certificates and Closing Ceremony.

Thank you!!!

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DEPARTMENT OF AERONAUTICAL ENGINEERING

BENGALURU - 560107





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Government of Karnataka

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MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is entered into on 24 day of August 2023 (the "Effective Date," which shall be the date on which this MOU is fully executed (hereinafter referred to as Effective date), by and between Acharya Institutes, Acharya Dr.Sarvepalli Radhakrishnan Road, Bangalore (hereafter referred to as "AI"), located in Bangalore, India, represented by its

Managing Director
ACHARYA INSTITUTES
Bengaluru, India.

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MD, Mr.Krishna Reddy Basani , Bangalore and INFOGEN LABS, Galore Tech IT Park, 3rd Floor LMD Chowk, Bavdhan, Pune, Maharashtra 411021 hereafter collectively referred to as the "Parties." The Collaboration between both the parties is called as "Infogen Acharya Centre of Excellence"

It is hereby specifically agreed to between both the parties, that this is a broad based general agreement.

ABOUT ACHARYA INSTITUTES

JMJ Education Society was the initiative of the visionary **Shri B Premnath Reddy,** who, in order to create a bench mark in the field of higher education, started Acharya Institutes in 1990. Acharya Institutes is the Bangalore's largest composite academic facility within a sprawling 120-acre eco-friendly Wi-Fi campus housing more than 15000+ students from 85 different countries, offering 100 programmes in the streams of Engineering, Computer Applications, Architecture, Pharmacy, Management, Biotechnology, Nursing, Physiotherapy, Health Sciences, Science and Technology, etc. with affiliation to Visvesvaraya Technological University, Bangalore Central University and Rajeev Gandhi University of Health Sciences, Karnataka. Acharya Institutes is a private co-educational conglomeration comprising of several institutes, such as:

ACHARYA INSTITUTES

Acharya Institute of Technology
Acharya's NRN School of Architecture
Acharya & BM Reddy College of Pharmacy
Acharya School of Management
Acharya Polytechnic
Acharya Institute of Graduate Studies
Smt. Nagarathamma College of Nursing
Acharya School of Design
Acharya Institute of Allied Health Sciences
Acharya Institute of Physiotherapy

ABOUT INFOGEN LABS

WHEREAS, Infogen Labs, a trailblazer in the AI & ML space, and Acharya Institutes, a renowned educational institution in Bangalore, recognize the importance of collaboration in fostering innovation and education in AI & ML.

NOW, THEREFORE, the Parties come together in this unique partnership as follows:

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I. PURPOSE AND VISION

This MOU symbolizes a shared vision between Infogen Labs and Acharya Institutes to empower students, cultivate creativity, and foster research in emerging technologies.

II. COLLABORATION HIGHLIGHTS

1. Internship Opportunities

- **Selection Process:** Candidates will be handpicked based on an interview process, ensuring the best fit for the projects.
- **Duration:** Minimum 4 months, extendable up to 1 year, depending on performance.
- **Authority:** Infogen Labs reserves the right to remove any candidates found unsuitable for projects and can cancel the MOU with one Notice.
- **Number of Candidates:** Internship candidates from Acharya Institutes are contingent upon the available vacancies at Infogen Labs. The decision regarding the number of internship positions rests solely with Infogen Labs.
- **Software Installation at COE:** Infogen Labs will install all required software at the COE at Acharya Institutes, Bangalore. The software shall be licensed versions.
- **Co-Branding:** Infogen Labs will provide a name board "INFOGEN LABS, USA-ACHARYA INSTITUTES COE" which will be displayed on the lab designated as COE for this purpose.
- **USE OF LOGOS:** Acharya Institutes and Infogen Labs can use each others logos for co-branding of the COE.
- **Mentoring:** Infogen Labs will provide mentors for mentoring of the internees, which could be done online/offline as required.

2. Intellectual Property Rights at Infogen Labs

At Infogen Labs, all work produced by our internship candidates is considered proprietary. All intellectual property rights stemming from such work are retained exclusively by Infogen Labs, ensuring consistency and protection of our innovations.

3. Educational Workshops & Seminars

Enhancing knowledge and skills through interactive learning experiences.

Managing Director
ACHARYA INSTITUTES
Bangaluru, India.

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II. TERMS & RESPONSIBILITIES

Effective Period: 2023-2024
Confidentiality: Protection of shared information

III. LEGAL CONSIDERATIONS

Nature: This MOU is a statement of intent, not a legally binding contract.
Jurisdiction: Governed by the laws of Karnataka Govt, India

IV. SIGNATURES

IN WITNESS WHEREOF, the Parties, acknowledging the transformative potential of this collaboration, have executed this Memorandum of Understanding.

FOR INFOGEN LABS

Dr.Sampathkumar.V.Patil
Sr.TPM, R&D BU

FOR ACHARYA INSTITUTES, BANGALORE

Mr.Krishna Basani Reddy
Managing Director
ACHARYA INSTITUTES
Bengaluru, India.
Managing Director

WITNESSES:

1. Mr.Iqbal Ahmed
   Dy.Director-Training & Collaborations
   Acharya Institutes, Bangalore

ACHARYA INSTITUTES ★ Office of International Affairs & Collaboration ★ BANGALORE

2. Prof.C K Marigowda 24/8/23
   Vice Principal,
   Acharya Institute of Technology,
   Bangalore

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ACHARYA INSTITUTE OF TECHNOLOGY

Affiliated to Visvesvaraya Technological University, Belagavi, Govt. of Karnataka.
Approved by AICTE, New Delhi and Accredited by NBA & NAAC

Report on Student Internship Participation at Infogen Pvt. Ltd.

This report highlights the successful participation of 16 Acharya Institute of Technology students in the internship program at Infogen Pvt. Ltd. from September 1, 2023, to January 4, 2024. Facilitated under a Memorandum of Understanding (MoU), the internship aimed to provide practical industry exposure in AI, machine learning, blockchain, and data science. Guided by Dr. Sampath Kumar Patil and industry professionals, students gained hands-on experience, enhancing their technical skills and applying theoretical knowledge to real-world projects.

The internship proved instrumental in bridging the gap between academia and industry, fostering critical thinking and problem-solving abilities among participants. Beyond technical expertise, students developed essential soft skills such as teamwork, communication, and adaptability. This experience at InfoGen Pvt. Ltd. not only enriched their educational journey but also prepared them for future career challenges, instilling a spirit of innovation and entrepreneurship. We commend InfoGen Pvt. Ltd. and Dr. Sampath Kumar Patil for their invaluable mentorship and collaboration in shaping the professional growth of our students.

Signature of HoD

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ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
Date : 05/01/24

Infogen Labs Pvt. Ltd.
Galore Tech IT Park, 3rd Floor LMD Chowk, Bavdhan,
Pune, Maharashtra 411021.
Mobile No: 9822013543, www.infogen-labs.com

8th January 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Abishek R** has completed his internship in AI from 1st September 2023 to 4th January 2024 with Infogen Labs Pvt. Ltd under the guidance of Dr. Sampath Kumar Patil.

During his internship, He demonstrated his skills with self-motivation to learn new skills and found him hardworking, diligent, and inquisitive.

We wish him every success in his life and career.

From Infogen Labs Pvt Ltd

Vaibhavi Joshi

Vaibhavi Joshi
Global HR Director

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ACHARYA INSTITUTE OF TECHNOLOGY
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8th January 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Yamini M** has completed her internship in AI from 1st September 2023 to 4th January 2024 with Infogen Labs Pvt. Ltd under the guidance of Dr. Sampath Kumar Patil.

During her internship, she demonstrated her skills with self-motivation to learn new skills and found her hardworking, diligent, and inquisitive.

We wish her every success in her life and career.

From Infogen Labs Pvt Ltd

Vaibhavi Joshi

Vaibhavi Joshi
Global HR Director

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30th August, 2023

Dear Sreejith P M,

We are pleased to offer you an internship at our company. Your internship shall commence on 1st September 2023. The terms and conditions of your internship with the Company are set forth below:

1. The internship will be for the period of 3 months and will end on 30th November 2023
2. 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.
3. The Internship will be an un-paid internship.
4. You will sign a confidentiality agreement with the company before you commence your internship.
5. By accepting this offer, you acknowledge that you understand participation in this program is not an offer of employment, and successful completion of the program does not entitle you to an employment offer from Infogen Labs.

Please confirm your acceptance of the terms of this offer by 1st September 2023 failing which, we have the right to cancel the internship. We look forward to having you on our team! If you have any questions, please feel free to reach out to us.

For Infogen Labs Pvt Ltd

Vaibhavi Joshi

Vaibhavi Joshi
Director HR

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8th January 2024

TO WHOMSOEVER IT MAY CONCERN

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We wish him every success in his life and career.

From Infogen Labs Pvt Ltd

Vaibhavi Joshi

Vaibhavi Joshi
Global HR Director

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8th January 2024

TO WHOMSOEVER IT MAY CONCERN

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Vaibhavi Joshi

Vaibhavi Joshi
Global HR Director

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8th January 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Shahil Rasheed** has completed his internship in AI from 1st September 2023 to 4th January 2024 with Infogen Labs Pvt. Ltd under the guidance of Dr. Sampath Kumar Patil.

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We wish him every success in his life and career.

From Infogen Labs Pvt Ltd

Vaibhavi Joshi

Vaibhavi Joshi
Global HR Director

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8th January 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Shaik Mohammad Junaid** has completed his internship in AI from 1st September 2023 to 4th January 2024 with Infogen Labs Pvt. Ltd under the guidance of Dr. Sampath Kumar Patil.

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We wish him every success in his life and career.

From Infogen Labs Pvt Ltd

Vaibhavi Joshi

Vaibhavi Joshi
Global HR Director

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8th January 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Shreyas R P** has completed his internship in AI from 1st September 2023 to 4th January 2024 with Infogen Labs Pvt. Ltd under the guidance of Dr. Sampath Kumar Patil.

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Vaibhavi Joshi
Global HR Director

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8th January 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Varun R** has completed his internship in AI from 1st September 2023 to 4th January 2024 with Infogen Labs Pvt. Ltd under the guidance of Dr. Sampath Kumar Patil.

During his internship, He demonstrated his skills with self-motivation to learn new skills and found him hardworking, diligent, and inquisitive.

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Vaibhavi Joshi

Vaibhavi Joshi
Global HR Director

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8th January 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Vishal Kumar** has completed his internship in AI from 1st September 2023 to 4th January 2024 with Infogen Labs Pvt. Ltd under the guidance of Dr. Sampath Kumar Patil.

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Global HR Director

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8th January 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Bhoomi Kaushik** has completed her internship in AI from 1st September 2023 to 4th January 2024 with Infogen Labs Pvt. Ltd under the guidance of Dr. Sampath Kumar Patil.

During her internship, she demonstrated her skills with self-motivation to learn new skills and found her hardworking, diligent, and inquisitive.

We wish her every success in her life and career.

From Infogen Labs Pvt Ltd

Vaibhavi Joshi

Vaibhavi Joshi
Global HR Director

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This is to certify that **Chetana KS** has completed her internship in AI from 1st September 2023 to 4th January 2024 with Infogen Labs Pvt. Ltd under the guidance of Dr. Sampath Kumar Patil.

During her internship, she demonstrated her skills with self-motivation to learn new skills and found her hardworking, diligent, and inquisitive.

We wish her every success in her life and career.

From Infogen Labs Pvt Ltd

Vaibhavi Joshi

Vaibhavi Joshi
Global HR Director

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8th January 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Zaid Khan** has completed his internship in AI from 1st September 2023 to 4th January 2024 with Infogen Labs Pvt. Ltd under the guidance of Dr. Sampath Kumar Patil.

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Global HR Director

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8th January 2024

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This is to certify that **Chandrashekhar** has completed his internship in AI from 1st September 2023 to 4th January 2024 with Infogen Labs Pvt. Ltd under the guidance of Dr. Sampath Kumar Patil.

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Global HR Director

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8th January 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Bharath Nanda** has completed his internship in AI from 1st September 2023 to 4th January 2024 with Infogen Labs Pvt. Ltd under the guidance of Dr. Sampath Kumar Patil.

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Short communication

Study of structural and magnetic traits of cobalt incorporated nickel oxide nanoparticles

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ARTICLE INFO

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Moringa Oleifera
Combustion method
Magnetic properties
Anti-bacterial study

ABSTRACT

Herein, we report the synthesis of Cobalt-incorporated NiO nanoparticles ($Co_xNi_{1-x}O$, x = 0–0.05) fabricated by the sol–gel combustion method using leaf extract of *Moringa Oleifera* as a fuel. The effect of cobalt doping on NiO NPs was analyzed by different analytical techniques such as XRD, SEM with EDS, UV–Vis, TEM, and VSM. XRD data validates the formation of cubic nickel oxide nanoparticles and the size of nanoparticles varies from 17.04 nm to 20.47 nm. The band gap energy was obtained from UV–vis spectroscopy (2.70 eV–3.18 eV) and a noteworthy blue shift was observed in the spectral span of 200–800 nm. The SEM and TEM micrographs of the fabricated samples display nano-flake-like morphology. Magnetic traits such as coercivity, retentivity, saturation magnetization, squareness ratio magnetic moment, and anisotropy constant were calculated from VSM analysis. Furthermore, pure and doped NiO NPs were tested for their antimicrobial activity against *Klebsiella pnuemoniae, Escherichia coli, Bacillus subtilis, and Staphylococcus aureus.* Within the mentioned bacterial species, Co-incorporated NiO NPs displayed high growth inhibition against *Staphylococcus aureus* bacteria (23 mm).

1. Introduction

Nanoscale metal oxides are acquiring great attention owing to their novel properties and outstanding performance in numerous applications. Notably, diluted magnetic semiconductors (DMS) are futuristically capable materials for developing devices planted on spintronics [1]. The semiconductor materials incorporated with a minute concentration of transition metals can perform both semiconducting and ferromagnetic properties at room temperature, which leads to applications in optoelectronics and spin-based devices [2]. Immense research has been carried out on metal ions incorporated DMSs which perform room temperature ferromagnetism (RTFM) with curie temperature above room temperature to utilize in spintronics [3,4]. Many DMS materials like TiO_2, ZnO, and SnO_2 are utilized in photovoltaic cells, spin transistors, gas sensors, light-emitting diodes, etc., [5-9].

Pure NiO is a strongly correlated Mott-Hubbard insulator in bulk form and is an antiferromagnetic material below the Neel temperature of 523 K [10]. Bulk NiO has a nought magnetic moment in the absence of an external applied magnetic field and is magnetically compensated. Upon lowering the size to nano-scale the surface-to-volume ratio increases considerably and the uncompensated spins at the surface possess a noticeable net magnetic moment [11]. An irregular vast magnetic moment with considerable loop shift and coercivity has been observed with a particle size of 31 nm or smaller NiO NPs, possibly due to the finite size effect [12]. NiO is a positive-type semiconducting metal oxide with a band gap energy of 3.6 to 4 eV and a face-centered cubic (fcc) structure with octahedral Ni^{2+} and O^{2-} sites. These particulars have gained prominence because of their low-cost synthesis, proficiency in absorbing light, electronic architecture, outstanding chemical stability, and charge transport mechanism [13,14]. The key features like electric optical retort, and magneto-optical behavior unveil applications in the arena of fuel cells, gas sensors, anode and cathode materials in lithium-ion and alkaline batteries respectively, catalysts in dye degradation, solar cells, electrochromic displays and in memory storage devices [15-23]. Incorporating various rare earth metals and metal oxides at the Ni site enhances its optoelectronic, catalytic, and magnetic properties. Although the fcc structure of NiO is preserved with different transition metal ions doping at various concentrations within the solubility limit, the microstructure of host NiO is affected significantly by dopant ions. The inception of disparate magnetic behavior like superparamagnetism (D < 31.5 nm), ferromagnetism (D < 24 nm), and spin glass behavior (D < 10 nm) was observed, which indicates the magnetic property of

* Corresponding author.

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Academic Year 2022-23

3.5.1. Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during 2022-23

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (nternship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise
1.	MoU	Dextrose Pvt Ltd, No: 124, 2nd Floor, 1st Main Rd, Kengeri Satellite Town, Bengaluru, Karnataka 560060	2023	Students training	04 Years	Training & Internship 05 Days Workshop on Molecular Techniques and NGS Analysis at Acharya by Dextrose Private Limited (24-04-2023 to 28-04-2022)
2.	MoU	Candela Technologies India Pvt Ltd	2023	Students training	04 Years	Training & Internship: ● 06 Week Skill Development Training in Wireless Technology
3.	MoU	Xcellogen Biotech India Pvt Ltd, behind South Indian Bank, Chackai, Thiruvananthapuram, Kerala 695024	2023	Students training	04 Years	Training & Internship 05 Days "Biosavvy: A workshop on Molecular Techniques and Bioinformatics" (04th to 08th

						Dec 2023)
4.	MoU	DADB India Pvt Ltd, 707, Lodha Supremus, Senapati Bapat Marg, Lower Parel West, Nr. HDFC Bank House, Mumbai Mumbai City MH 400013 IN.	2023	Students training	03 Years	01 Day workshop on introduction to 5G technology (11-10-2022)
5.	MoU	DKMS BMST Foundation India, New Thippasandra Main Rd, HAL 3rd Stage, Bhoomi Reddy Colony, New Tippasandra, Bengaluru, Karnataka 560075	2023	Facilitate exchange of knowledge and resources for mutual benefit	01 Year	Program Conducted: Awareness on Blood Cancer, Blood Stem Cell Transplantation and Donor Registration Drive (11-09-2023)
6.	Collaborative Linkage	Manipal Institute of Technology, MAHE, Manipal, India	2023	Facilitate exchange of knowledge and resources for mutual benefit - Journal Article	02 Year	Research Publication-https://www.sciencedirect.com/science/article/pii/S2468023022008240

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Memorandum of Understanding
Between

Acharya Institute of Technology **(AIT)**
And
Dextrose Technologies Pvt. Ltd. **(DTPL)**
For
Collaborative Research and Development

DEXTROSE TECHNOLOGIES PVT. Ltd. Bengaluru-60

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1. Purpose, Objectives and Goals:

1.1. Purpose

This Memorandum of Understanding (MoU) establishes the framework for collaborative research and development, education, and training efforts (hereafter called "Collaboration")

Between

Acharya Institute of Technology the first party [hereafter referred as AIT] is a constituent college under the educational conglomerate Acharya Institutes. In its 27 years of existence, Acharya is a home away from home for nearly 3000 international students from 75 countries. With over 15000 students on its state of the art 120- Acre campus, Acharya is today the LARGEST Composite Academic facility in Bangalore, the silicon valley of India. AIT is affiliated to Visvesvaraya Technological University, Belgaum, recognized by UGC and AICTE and NAAC Accredited, located at Acharya Dr. Sarvepalli Radhakrishnan Road, Acharya PO, Soldevanahalli Bangalore-560107, hereinafter referred to as "*INSTITUTE*" which term shall mean and include its Affiliates, Officers, Agents, Permitted Successors and Assigns, of the Other Part.

And

Dextrose Technologies Pvt. Ltd, Bengaluru, a section 7 company engaged in nurturing biotech innovation and thereby accelerating Life Science domain. We bridge the gap between industry and academia, thereby enhancing innovation in the field of biotechnology. Hereafter referred as "DTPL" and having registered office address at #124, 2nd Floor, 1st Main Road, Kengeri Satellite town, Bengaluru – 560060, the second party.

Collaborations under this MoU are focused on collaborative R&D in Broad Areas of Life Sciences. The MoU is intended to expedite research and development of new methods and technologies that can be implemented in support of DTPL's mission as well as aimed at enhancing the quality of research and education at AIT.

AIT

DTPL

DEXTROSE TECHNOLOGIES Pvt. Ltd. Bengaluru-60

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Both AIT and DTPL believe that this Collaboration will contribute to accelerate methods and technology advancement in various fields of biological sciences. The two organizations further believe that successful Collaboration will leverage beneficial results via method and technology transfer, education and training.

1.2. Objectives AIT and DTPL will work collaboratively to expedite development of methods and technologies in Life Sciences that are needed to address the critical national needs.

1.3. Goals

Identify methods and Life Sciences-technology needs, formulate research and development projects that address our national needs, and establish arrangements that describe how personnel and resources of AIT and DTPL will be effectively utilized to perform research and development projects addressing the national needs (for example Enzyme Discovery, application of Molecular Dynamics, Bioinformatics, Animal cell culture etc.).

Perform collaborative research and development projects in an expeditious manner. Setup education and training programs at AIT as per prevailing UGC/other regulation with resource persons from DTPL as well as AIT. These may involve UG/PG/M.Phil /Ph.D/Post-Doc programs with guides and co-guides from the two organizations, continuing education for DTPL and other industry employees, short-term assignments at DTPL for AIT faculty or staff. etc.

Any joint activities under this MoU can be carried out by signing an Annexeure, Affixed to this MoU from various Departments of AIT.

2. BACKGROUND AND PROGRAM SCOPE:

2.1 Background.

R&D in biological sciences around the world has provided great impetus for the development of country's pharmaceutical industry that can be utilized to meet our health, bio-technology, and service sector needs. A though the national laboratories have been in the forefront of R&D, commercial business successes are wanting. Acute shortage of skilled engineers, lack of relevant academic and research programs beyond the critical mass in the universities, and poor university-industry collaboration are the causes for this situation. Hence there is a

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pressing need for collaborative R&D between the academic and research laboratories and the industry.

AIT has embarked on setting up facilities with R&D thrust in all departments, both in the clinical and basic sciences, under national and international collaborations. The staff and students are actively involved in clinical and research activities, including publication of papers in reputed professional journals. In addition, sponsored R&D programs will also be carried out.

2.2 Program Scope.

Under this MoU the two organizations AIT and DTPL will meet on a Quarterly basis to identify areas of research and development, education, and training that can be efficiently addressed through a collaborative approach. R&D programs and the education and training programs will be carried out in AIT's relevant center and at DTPL. Further productizing the collaborative R&D efforts at either organization, such as through entrepreneurial incubation cells, also may be carried out under this MoU.

3. RESPONSIBILITIES:

3.1 AIT agrees to:

Work with DTPL to exchange information consistent with areas of collaboration, develop, formulate, and submit proposals of interest singly or jointly with DTPL to DST, DBT, DRDO BIRAC and other national laboratories (such as R&D projects, technology assessment, and testing), and carry out such sponsored projects. Describe specific R&D projects, education activities, and training programs that will be jointly pursued by AIT and DTPL.

Facilitate relevant (UG/PG/M Phil/Ph.D Post-Doc) programs for qualified DTPL employees; the Guide/Major Advisor shall be from DTPL and Co-guide shall be from AIT for each such program the admissions will be governed by the UGC regulations in this regard from time to time.

Facilitate its relevant center (laboratories, library, office support, fields, etc.) for conducting such research work at as per the policies.

Participate in joint technical activities (e.g., inspections, workgroups, scientific or engineering panels) with representatives from DTPL, and other organizations which may be established to provide technical advice and guidance on issues related to the national needs.

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Assign a Management Point of Contact and Technical Lead(s) for interactions with the DTPL.
Provide, in cooperation with DTPL Management Point of Contact, annual executive summary report on the progress made under this MoU for each of the Collaborations, or other cooperative activities, that are developed as part of this agreement (MoU).
Record, produce and maintain minutes of meeting as described in this MoU.

3.2 DTPL AGREES TO:

Work with AIT to exchange information consistent with areas of collaboration, develop, formulate, and submit proposals of interest singly or jointly with AIT to DST, DBT, DRDO and other national laboratories (such as R&D projects, technology assessment, testing, calibration, and consultancy) and carry out such sponsored projects. Describe specific R&D projects, educational activities, and training programs that will be jointly pursued by AIT and DTPL.

Facilitate research training for AIT's undergraduate and post graduate students in areas of interest to COMPANY and relevant to the programs pursued by the students, and make provisions (laboratories, library, workshop, office support, etc.) for such training as per the policies and financials time-to-time.

Participate in joint technical activities (e.g., inspections, workgroups, scientific or engineering panels) with representatives from AIT, and other organizations which may be established to provide technical advice and guidance on issues related to the needs of AIT (such as curriculum or laboratories development).

Assign a Management Point of Contact and Technical Lead(s) for interactions with AIT.
Provide, in cooperation with AIT Management Point of Contact, an annual executive summary report on the progress made under this MoU for each of the Collaboration, or other cooperative activities, that are developed as part of this agreement (MoU).

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4. MEMORANDUM OF UNDERSTANDING (MoU) ADMINISTRATION:

Reports: The status of work performed under this MoU will be reviewed on an annual basis at AIT, Bangalore. The DTPL Management Point of Contact will take the lead and be responsible for organizing meetings (planning meetings and annual meetings), developing agenda and recording results of the meetings. Minutes of the meetings will be produced by AIT and be distributed to meeting participants as well as to the Director of DTPL and AIT. A central file (retained by AIT) will be maintained.

Information Releases:

Point of Contact, DTPL and Point of Contact, AIT will send email and letter to the other party requesting such a release and if not responded within 15 days, another reminder and if no response within a week, it will be deemed as accepted.

Security Classification:

The highest security classification applied by DTPL will govern the handling of information and reports under this MoU, as deemed appropriate. The security classification and procedures will be stipulated in each report.

Facility Security, Health, Safety, and Environmental Compliance:

The host facility's security, health, safety, and environmental compliance programs will be followed by personnel when engaged in work activities as outlined in this MoU. Workers Injury claims shall be covered by the employee's agency.

Reimbursement Policy:

Each party to this agreement will handle and expend its own funds, except as otherwise noted in this MoU. The responsibilities assumed by each party are contingent upon funds being available from which legally incurred expenditures may be met.

Annual Management Meetings:

AIT and DTPL will meet annually to plan and coordinate Collaboration under this MoU. Such meetings will be held at a mutually agreed upon location and on a date that is compatible with the planning and budgeting cycle of each organization. At this meeting, recommendations for adjustments to current activities, projects, and budget priorities will be proposed and agreed

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upon by the Management Points of Contact for submission to the AIT and DTPL Directors for further action.

Semi-Annual Technical Discussions:

AIT and DTPL will meet at least twice a year to discuss technical progress under each project or activity. These reviews will require technical information exchange by AIT and DTPL Technical Leads. These meetings may include individuals from outside of AIT and DTPL as mutually agreed to by the respective Management Points of Contact.

Technical Lead Responsibilities:

Technical Leads for each project or activity will strive to engage in:

- Providing technical information exchange consistent with agency regulations governing the exchange or release of information
- Delivering written or verbal technical evaluations of progress
- Conducting visit to sites where research is underway
- Organizing and participating in technical workshops and scientist-to-scientist meetings
- Reporting on any exceptional accomplishments from, or impediments to, successful program or project execution
- Recommending improvements for the MoU activities

Approvals:

SPOC'S OF DTPL & AIT will send email and letters to the other party requesting such a release and if not responded within 15 days, another reminder and if no response within a week, it will be deemed as accepted.

Inventions and Licensing:

Activities conducted to carry out this MoU and any project or other extramural arrangements may result in products or processes that are patentable or otherwise proprietary. The organization whose work results in the invention shall disclose the invention to the other organization and then prepare, file, and prosecute patent applications. If protection is granted, the inventing organization will manage the invention in accordance with its rules and regulations. If the invention is from DTPL - sponsored project, securing the patent rights shall be in accordance with the terms of such project. Inventions resulting from joint research

AIT_____ Page 7 of 10 DTPL_____

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development by both AIT and DTPL employees shall be handled as jointly agreed to at the time of the disclosure and DTPL would have a first right of refusal of ownership of the same.

Publication/IPR

The findings/outcomes shall be compiled and presented at a time to be decided by both the institutions.

Publication will have the joint authorship from DTPL and AIT and decision on publication will be based on mutual agreement. At no stage a single party will publish the results unilaterally or use the findings in any other research projects/studies in any matter whatsoever.

The corresponding author organization will be based on the mutual agreement depending on the contribution of research work in terms of domain expertise, infrastructure, man power etc. with joint corresponding authorship from other organization. Intellectual property Right (IPR) / Patents of the joint-research projects will be jointly shared by the contributors of DTPL and AIT.

Coordination Committee

To monitor and review the collaborative program between the DTPL AIT, coordination committee is formed. Dr. Sneetha T B, HOD Department of Biotechnology is the point of contact from AIT and Mr. Aravind Ganessin MD, is the point of contact from DTPL unless otherwise notified.

HOD of Department of BT, AIT or her nominee would be coordinating the research study in areas where they have domain expertise and which have been mutually agreed by both the organizations.

MD, DTPL or his nominee would coordinate the research study in areas of their core competency.

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PERIOD OF AGREEMENT

This MoU shall be effective for five years from the date of the last signature unless canceled in writing by either of the participating organization with 60 days' notice.

Conflicts that may arise after the MoU is in effect will be resolved by AIT and DTPL Management Points of Contact. If conflicts cannot be resolved at this level, then they will be taken to the respective Directors of AIT and DTPL. If conflicts cannot be resolved at this level, then the signatory authorities for this MoU will resolve the conflicts either by coming to informal agreement or by amending the MoU.

This MoU will be reviewed annually by the Management Points of Contact to determine if any changes or amendments should be incorporated. Such changes or amendments will be formally incorporated in the MoU within 90 days of the annual review.

Within 30 days of its expiry, this MoU may be renewed on same terms as on the date of expiry upon a signed agreement of renewal between the respective Directors of AIT and DTPL.

NAMES AND ADDRESSES OF PARTIES:

Director/Principal

Acharya Institute of Technology

Acharya Dr Sarvepalli Radhakrishnan Rd, Soladevanahalli, Karnataka 560107.

Managing Director,

Dextrose Technologies Pvt. Ltd,

#124, 2nd Floor, Kengeri Satellite Town,

Bengaluru, Karnataka 560060.

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GENERAL PROVISIONS:

Nothing in this MoU supersedes any other memorandum of understanding held by either party.

This MoU in no way restricts the parties from participating in similar activities or arrangements with other public or private agencies, organizations, or individuals.

This MoU describes in general terms, the basis upon which the parties intend to cooperate. It does not create binding, enforceable obligations against any party.

Approved and accepted for
Acharya Institute of Technology

Mr. Krishna B Reddy
~~Chairman~~ M.D

Approved and accepted for
Dextrose Technologies Pvt. Ltd

For Dextrose Technologies Pvt. Ltd.
Director

Mr. Aravind Ganessin
Managing Director

Witness

Mr.Iqbal Ahmed
Dy. Director, Collaborations
Acharya Institutes.

ACHARYA INSTITUTES * Office of International Affairs & Collaboration * BANGALORE

Witness

Ms. Sahanashree K. S
Senior Manager
Dextrose Technologies Pvt. Ltd.

DEXTROSE TECHNOLOGIES Pvt. Ltd. * Bengaluru-60 *

Dr. Suneetha T. B
HOD, Dept of Biotechnology

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Memorandum of Understanding
Between

Acharya Institute of Technology **(AIT)**
And
Dextrose Technologies Pvt. Ltd. **(DTPL)**
For
Collaborative Research and Development

DEXTROSE TECHNOLOGIES Pvt. Ltd. * Bengaluru-60 *

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1. Purpose, Objectives and Goals:

1.1. Purpose

This Memorandum of Understanding (MoU) establishes the framework for collaborative research and development, education, and training efforts (hereafter called "Collaboration")

Between

Acharya Institute of Technology the first party [hereafter referred as AIT] is a constituent college under the educational conglomerate Acharya Institutes. In its 27 years of existence, Acharya is a home away from home for nearly 3000 international students from 75 countries. With over 15000 students on its state of the art 120- Acre campus, Acharya is today the LARGEST Composite Academic facility in Bangalore, the silicon valley of India. AIT is affiliated to Visvesvaraya Technological University, Belgaum, recognized by UGC and AICTE and NAAC Accredited, located at Acharya Dr. Sarvepalli Radhakrishnan Road, Acharya PO, Soldevanahalli Bangalore-560107, hereinafter referred to as "*INSTITUTE*" which term shall mean and include its Affiliates, Officers, Agents, Permitted Successors and Assigns, of the Other Part.

And

Dextrose Technologies Pvt. Ltd, Bengaluru, a section 7 company engaged in nurturing biotech innovation and thereby accelerating Life Science domain. We bridge the gap between industry and academia, thereby enhancing innovation in the field of biotechnology. Hereafter referred as "DTPL" and having registered office address at #124, 2nd Floor, 1st Main Road, Kengeri Satellite town, Bengaluru – 560060, the second party.

Collaborations under this MoU are focused on collaborative R&D in Broad Areas of Life Sciences. The MoU is intended to expedite research and development of new methods and technologies that can be implemented in support of DTPL's mission as well as aimed at enhancing the quality of research and education at AIT.

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Both AIT and DTPL believe that this Collaboration will contribute to accelerate methods and technology advancement in various fields of biological sciences. The two organizations further believe that successful Collaboration will leverage beneficial results via method and technology transfer, education, and training.

1.2. Objectives AIT and DTPL will work collaboratively to expedite development of methods and technologies in Life Sciences that are needed to address the critical national needs.

1.3. Goals

Identify methods and Life Sciences-technology needs, formulate research and development projects that address our national needs, and establish arrangements that describe how personnel and resources of AIT and DTPL will be effectively utilized to perform research and development projects addressing the national needs (for example Enzyme Discovery, application of Molecular Dynamics, Bioinformatics, Animal cell culture etc.).

Perform collaborative research and development projects in an expeditious manner. Setup education and training programs at AIT as per prevailing UGC/other regulation with resource persons from DTPL as well as AIT. These may involve UG/PG/M.Phil /Ph.D/Post-Doc programs with guides and co-guides from the two organizations, continuing education for DTPL and other industry employees, short-term assignments at DTPL for AIT faculty or staff, etc.

Any joint activities under this MoU can be carried out by signing an Annexeure, Affixed to this MoU from various Departments of AIT.

2. BACKGROUND AND PROGRAM SCOPE:

2.1 Background.

R&D in biological sciences around the world has provided great impetus for the development of country's pharmaceutical industry that can be utilized to meet our health, bio-technology, and service sector needs. A though the national laboratories have been in the forefront of R&D, commercial business successes are wanting. Acute shortage of skilled engineers, lack of relevant academic and research programs beyond the critical mass in the universities, and poor university-industry collaboration are the causes for this situation. Hence there is a

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pressing need for collaborative R&D between the academic and research laboratories and the industry.

AIT has embarked on setting up facilities with R&D thrust in all departments, both in the clinical and basic sciences, under national and international collaborations. The staff and students are actively involved in clinical and research activities, including publication of papers in reputed professional journals. In addition, sponsored R&D programs will also be carried out.

2.2 Program Scope.

Under this MoU the two organizations AIT and DTPL will meet on a Quarterly basis to identify areas of research and development, education, and training that can be efficiently addressed through a collaborative approach. R&D programs and the education and training programs will be carried out in AIT's relevant center and at DTPL. Further productizing the collaborative R&D efforts at either organization, such as through entrepreneurial incubation cells, also may be carried out under this MoU.

3. RESPONSIBILITIES:

3.1 AIT agrees to:

Work with DTPL to exchange information consistent with areas of collaboration, develop, formulate, and submit proposals of interest singly or jointly with DTPL to DST, DBT, DRDO, BIRAC and other national Laboratories (such as R&D projects, technology assessment, and testing), and carry out such sponsored projects. Describe specific R&D projects, education activities, and training programs that will be jointly pursued by AIT and DTPL.

Facilitate relevant (UG/PG/M Phil/Ph.D Post-Doc) programs for qualified DTPL employees; the Guide/Major Advisor shall be from DTPL and Co-guide shall be from AIT for each such program the admissions will be governed by the UGC regulations in this regard from time to time.

Facilitate its relevant center (laboratories, library, office support, fields, etc.) for conducting such research work at as per the policies.

Participate in joint technical activities (e.g., inspections, workgroups, scientific or engineering panels) with representatives from DTPL, and other organizations which may be established to provide technical advice and guidance on issues related to the national needs.

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Assign a Management Point of Contact and Technical Lead(s) for interactions with the DTPL. Provide, in cooperation with DTPL Management Point of Contact, annual executive summary report on the progress made under this MoU for each of the Collaborations, or other cooperative activities, that are developed as part of this agreement (MoU).
Record, produce and maintain minutes of meeting as described in this MoU.

3.2 DTPL AGREES TO:

Work with AIT to exchange information consistent with areas of collaboration, develop, formulate, and submit proposals of interest singly or jointly with AIT to DST, DBT, DRDO and other national laboratories (such as R&D projects, technology assessment, testing, calibration, and consultancy) and carry out such sponsored projects. Describe specific R&D projects, educational activities, and training programs that will be jointly pursued by AIT and DTPL.

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4. MEMORANDUM OF UNDERSTANDING (MoU) ADMINISTRATION:

Reports: The status of work performed under this MoU will be reviewed on an annual basis at AIT, Bangalore. The DTPL Management Point of Contact will take the lead and be responsible for organizing meetings (planning meetings and annual meetings), developing agenda and recording results of the meetings. Minutes of the meetings will be produced by AIT and be distributed to meeting participants as well as to the Director of DTPL and AIT. A central file (retained by AIT) will be maintained.

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The host facility's security, health, safety, and environmental compliance programs will be followed by personnel when engaged in work activities as outlined in this MoU. Workers Injury claims shall be covered by the employee's agency.

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Each party to this agreement will handle and expend its own funds, except as otherwise noted in this MoU. The responsibilities assumed by each party are contingent upon funds being available from which legally incurred expenditures may be met.

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AIT _____ Page 6 of 10 DTPL _____

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upon by the Management Points of Contact for submission to the AIT and DTPL Directors for further action.

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- Conducting visit to sites where research is underway
- Organizing and participating in technical workshops and scientist-to-scientist meetings
- Reporting on any exceptional accomplishments from, or impediments to, successful program or project execution
- Recommending improvements for the MoU activities

Approvals:

SPOC'S OF DTPL & AIT will send email and letters to the other party requesting such a release and if not responded within 15 days, another reminder and if no response within a week, it will be deemed as accepted.

Inventions and Licensing:

Activities conducted to carry out this MoU and any project or other extramural arrangements may result in products or processes that are patentable or otherwise proprietary. The organization whose work results in the invention shall disclose the invention to the other organization and then prepare, file, and prosecute patent applications. If protection is granted, the inventing organization will manage the invention in accordance with its rules and regulations. If the invention is from DTPL - sponsored project, securing the patent rights shall be in accordance with the terms of such project. Inventions resulting from joint research

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development by both AIT and DTPL employees shall be handled as jointly agreed to at the time of the disclosure and DTPL would have a first right of refusal of ownership of the same.

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The findings/outcomes shall be compiled and presented at a time to be decided by both the institutions.

Publication will have the joint authorship from DTPL and AIT and decision on publication will be based on mutual agreement. At no stage a single party will publish the results unilaterally or use the findings in any other research projects/studies in any matter whatsoever.

The corresponding author organization will be based on the mutual agreement depending on the contribution of research work in terms of domain expertise, infrastructure, man power etc with joint corresponding authorship from other organization. Intellectual property Right (IPR) / Patents of the joint-research projects will be jointly shared by the contributors of DTPL and AIT.

Coordination Committee

To monitor and review the collaborative program between the DTPL AIT, coordination committee is formed. Dr. Sneetha T B, HOD Department of Biotechnology is the point of contact from AIT and Mr. Aravind Ganessin MD, is the point of contact from DTPL unless otherwise notified.

HOD of Department of BT, AIT or her nominee would be coordinating the research study in areas where they have domain expertise and which have been mutually agreed by both the organizations.

MD, DTPL or his nominee would coordinate the research study in areas of their core competency.

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PERIOD OF AGREEMENT

This MoU shall be effective for five years from the date of the last signature unless canceled in writing by either of the participating organization with 60 days' notice.

Conflicts that may arise after the MoU is in effect will be resolved by AIT and DTPL Management Points of Contact. If conflicts cannot be resolved at this level, then they will be taken to the respective Directors of AIT and DTPL. If conflicts cannot be resolved at this level, then the signatory authorities for this MoU will resolve the conflicts either by coming to informal agreement or by amending the MoU.

This MoU will be reviewed annually by the Management Points of Contact to determine if any changes or amendments should be incorporated. Such changes or amendments will be formally incorporated in the MoU within 90 days of the annual review.

Within 30 days of its expiry this MoU may be renewed on same terms as on the date of expiry upon a signed agreement of renewal between the respective Directors of AIT and DTPL.

NAMES AND ADDRESSES OF PARTIES:

Director/Principal

Acharya Institute of Technology

Acharya Dr Sarvepalli Radhakrishnan Rd, Soladevanahalli, Karnataka 560107.

Managing Director,

Dextrose Technologies Pvt. Ltd,

#124, 2nd Floor, Kengeri Satellite Town,

Bengaluru, Karnataka 560060.

AIT _____ Page 9 of 10 DTPL _____

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GENERAL PROVISIONS:

Nothing in this MoU supersedes any other memorandum of understanding held by either party.

This MoU in no way restricts the parties from participating in similar activities or arrangements with other public or private agencies, organizations, or individuals.

This MoU describes in general terms, the basis upon which the parties intend to cooperate. It does not create binding, enforceable obligations against any party.

Approved and accepted for
Acharya Institute of Technology

Mr. Krishna B Reddy
~~Chairman~~ M.D

Approved and accepted for
Dextrose Technologies Pvt. Ltd

For Dextrose Technologies Pvt. Ltd.
Director

Mr. Aravind Ganessin
Managing Director

Witness

Mr. Iqbal Ahmed
Dy. Director, Collaborations
Acharya Institutes.

ACHARYA INSTITUTES ★ Office of International Affairs & Collaboration ★ BANGALORE

Witness

Ms. Sahanashree K. S
Senior Manager
Dextrose Technologies Pvt. Ltd.

DEXTROSE TECHNOLOGIES Pvt. Ltd. ★ Bengaluru-60 ★

Dr. Suneetha T. B
HOD, Dept of Biotechnology

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Memorandum of Understanding (MoU) for Acharya Institute of Technology - Candela Technologies India Pvt Ltd Collaboration for Setting up a Industry Research Lab

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this day (31st May 2023), by and between:

Acharya Institute of Technology, an Educational Institution owned, operated and maintained by JMJ Education Society duly represented by its Vice-Principal and Deputy Director, International Collaborations, **Prof. Marigowda**, the institution having registered office address at **Acharya Institute of Technology, Acharya Dr.Sarvepalli Radhakrishnan Road Soldevanahalli, Bangalore-560107** which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assignees).

AND

Candela Technologies India Private Limited, with the registered office address at **Candela Technologies India Private Limited. Floor No. 4th and 5th, Hill-Crest Apartments, Peddarishikonda, Visakhapatnam, Andhra Pradesh, India, 530045.** represented herein by its representative **Mr. Sitarama Kalyana Chekravarthy Penumetsa** the Second Party (hereinafter referred to as 'Second Party' or " Industry Partner', company which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party') as

WHEREAS, Academic Institution and Industry Partner recognize the mutual benefits of an academic-industry partnership for the establishment of a Industry research lab, and desire to set forth the terms and conditions of such a partnership through this MoU.

NOW, THEREFORE, the parties agree as follows:

1. **Objective**

   a) The purpose of this collaboration is to establish an Industry research lab for " **Wireless Networking and Certification Lab**" at the premises of the Acharya Institute of Technology and invite various companies in the industry to use the Research lab for their Testing purposes.

   b) The industry research lab will be dedicated to research activities related to the lab and Joint research and development of new technologies, products, and services with collaboration with Academia and Other Industries.

   c) To establish a Research Lab which will be the Centre of Excellence for WiFi testing in India, attracting many companies both in India and abroad to send their products to be tested in this lab. The Lab will create core domain expertise in the fields of computer networking and wireless communications for the Industry, Students and faculty.

   d) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources and provide each of them with enhanced opportunities.

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e) The Parties intent to cooperate and focus their efforts on cooperation within areas of Skill Enhancement Training, Placement, create Industrial / Infotech exposure of the students of First Party, Contribute in Course design to make it more effective for industrial perspectives, creating cutting-edge tech learning opportunities for Students and facilitating Academic Quality Improvement through Faculty Development Program (FDP), Consulting opportunities for Faculties, etc.

f) The Parties intent to provide best industrial / infotech exposure to the students and faculty members of the first party to motivate them for learning the latest trend of the technology in/ from the industry.

g) The Research Lab to be an Incubation centre for new research and products and provide mentorship for startups and also a centre for Creating of contemporary academic course work and labs in the field of computer networking.

h) The Parties intend to provide paid internships opportunity to the students of the first party to work on the real time projects to gain hands-on experience and to provide the best Placement Platform to the students by exploring the needs of the industries.

2. DELIVERABLES OF BOTH THE PARTIES

a) Deliverables by First Party

Acharya Institutes, shall in good faith provide all requisite support and assistance to **Second Party** in order to achieve objectives contemplated under this MOU in the letter and spirit; more specifically comply with the following obligations:

1. Provide and allocate the suitable space of 2555 Sq ft for the industry research lab and necessary utilities (e.g., electricity, water, and internet connection).
2. Ensure that the research activities carried out at the research lab are in compliance with all relevant laws, regulations, and ethical guidelines.
3. All participants from the academic institution should sign a Non Disclosure agreement from the industry partner and should adhere to the confidentiality of existing Intellectual Property of the industry partner.
4. Provide the students and Faculty to work on the research projects.
5. Design the course and intern programs to suit the Research project requirements .
6. Promote the Candela Technologies success stories with the students and youngsters via seminars, panel meetings , Tech seminars, workshops etc.
7. The Second party is free to utilise the space for the other research and testing activities along with the other industrial partners apart from the joint collaboration activities.

b) Deliverables by Second Party General Deliverables:

1. Provide the necessary funding for the establishment and operation of the research lab.
2. Provide equipment, technology, and materials required for research activities.
3. Appoint a Facility management services agency to maintain the facility.
4. Appoint a research team to work with the academic team to carry out research and development activities.

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5. Ensure that the research activities carried out at the research lab are in compliance with all relevant laws, regulations, and ethical guidelines.
6. Provide the necessary expertise and manpower to carry out the research projects and create a Mentors Pool from the Industry experts for guiding the students .
7. Provide Internships to the Students of the First Party
8. Mentor the students and faculty to develop Innovation and start-ups for guidance or strategic collaboration and assist in designing Skill upgradation programs for students and faculties.
9. To help in curriculum development for the courses of the MOU

c) Specific Deliverables:

1. To help create course(s) to meet Industry needs.
2. To start Collaborative program with Acharya Institutes
3. To facilitate "College to Corporate' Journey.

3. ASSIGNMENT

It is understood by the parties herein that this MOU is based on the professional competence and expertise of each party and hence neither Party shall transfer or assign this MOU, or rights or obligations arising hereunder, either wholly or in part, to any third party, without the written consent of the other party.

4. VALIDITY

This Agreement will be valid for 3 years from the date of signing of MoU and it can be extended for further period of 3 years on mutual written consent of both parties.

Both Parties may terminate this MOU upon 30 Calendar days' notice in writing. In the event of Termination, both parties have to discharge their current/ pending obligations, if any.

5. RELATIONSHIP BETWEEN THE PARTIES

It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name and/or Logo 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 on matters of specific interest and mutual consent. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

6. FINANCIAL OBLIGATIONS TOWARDS EACH OTHER

There shall not be any financial obligations on part of the first party for executing the scope of work. The First Provides the necessary built up space for the Joint Industrial Research Lab. The Second Party takes the responsibility to make the modifications to the space to suit its requirements and carry out the interior works and procure the necessary furniture, equipment for the Setting and operating the Research Lab.

7. CONFIDENTIALITY

The parties shall hold the confidential information of each other in strictest confidence and shall not, either directly or indirectly, disclose any confidential information of the disclosing party to any third party. Notwithstanding the foregoing, the receiving party may make the confidential information of the disclosing party available, on a need-to-know basis, to its permitted users, who require knowledge of the disclosing

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party's confidential information for the furtherance of the permitted purpose of this Agreement

8. Intellectual Property Rights
   a) All intellectual property originating from this collaboration will be owned by the industry Partner.
   b) The parties shall mutually agree on the terms and conditions for academic publications of any intellectual property developed during the collaboration.
   c) The parties shall protect each other's confidential information and take necessary measures to prevent any unauthorized disclosure or use of confidential information.

9. Publications and Presentations:
   a) The parties agree to cooperate with each other in publishing and presenting research findings at relevant conferences and journals.
   b) The parties shall acknowledge each other's contributions in all publications and presentations.

10. NOTICES
Any notice or other communication under or in connection with this MOU shall be in writing in the English language and shall be delivered personally or sent by registered post or courier, to the party due to receive the notice or communication at its registered office address set out in this MOU or such other address as either party may specify by notice in writing to the other. It is expressly understood that notices by email mode shall be acceptable by both the parties.

11. NO BENEFITS

No benefit, either in cash or kind, has been provided by any party or any of its respective agents to any officer or employee, or any relative / associate of any officer or employee of the other parties or of any of its associate companies, in order to procure this MOU. Each party further undertakes that it shall not provide any benefit, either in cash or kind, to any such officer/ employee/ relative/ associate as reward or consideration either for retaining this MOU or for any other matter relating to this MOU.

12. AMENDMENTS
Any Amendment in this agreement shall be allowed only after written consent of both the parties.

13. Governing Law and Jurisdiction:

a. This MoU shall be governed by and construed in accordance with the laws of Republic of India

b. Any disputes arising out of or in connection with this MoU shall be resolved through amicable negotiations between the parties. In case of failure, such disputes shall be submitted to arbitration in accordance with the rules of the [Arbitration Institution].

14. Integration:

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This Agreement contains the Agreement and understanding by and between the both parties and no representations, promises, agreements or understandings, written or oral, not herein contained shall be of any force or effect.

IN WITNESS WHEREOF, the parties have caused this MoU to be executed by their duly authorized.

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Office of International and Alumni Affairs
BANGALORE

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2022-23

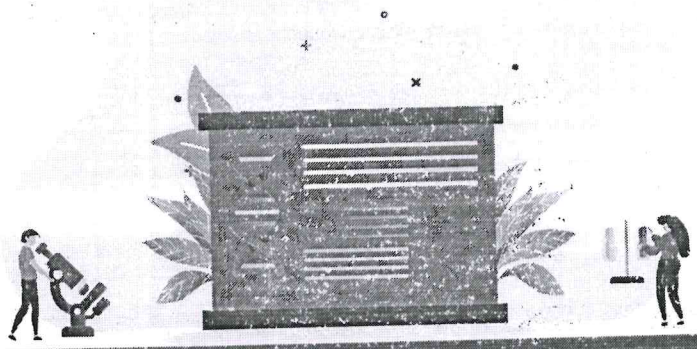
ACHARYA INSTITUTE OF TECHNOLOGY

ACHARYA

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Hesaraghatta Main Road, Bengaluru- 560107

Department of Biotechnology

A workshop on Molecular Techniques and NGS Analysis



Date: 24-04-2023 | Time: 9:30 am to 4:00 pm
Target Audience: Students of Department of Biotechnology
Venue: Molecular biology and Bioinformatics Lab

ABOUT THE PROGRAM:

This program is intended to provide Hands on Training on molecular biology and Bioinformatics

Objectives of the Program:

- To gain an understanding of the different DNA and Protein extraction techniques currently in use.
- To get practical experience using the bioinformatics tools applying the gained knowledge.

ADVISORY COMMITTEE:

Dr. RAJATH HEGDE M.M.
Principal, AIT
Prof. C. K. MARIGOWDA
Vice Principal, AIT

CONVENERS:

Dr. MANJUNATH PM
Principal, ABMRCP
Dr. SUNEETHA.T. B
Head Dept. of Biotechnology

COORDINATORS:

Dr. ASHALATHA
Assistant Professor, Dept. of Biotechnology
Co-organizer

COORDINATORS:

Dr. SHILPA SHIVASHANKAR
Associate Professor, Dept. of Biotechnology

Registration Link: shorturl.at/opuYZ

Resource Persons

Mr. Aravind Ganessin
Managing Director,
Dextrose Private Limited,
Bangalore



Mr. Anniruddha marram
Dextrose Private Limited,
Bangalore



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www.acharya.ac.in

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Dr. Sarvapalli Radhakrishnan Road
Soldevanahalli, Bangalore-560107
DEPARTMENT OF BIOTECHNOLOGY

PROGRAM SCHEDULE

"Dextrose: A workshop on Molecular Techniques and NGS Analysis"

DAY-1 (24/04/2023) **Venue : Mechanical Seminar Hall**	
9:00 AM to 9:45 AM	**Registration**
Inauguration (10:00 AM to 11:00 AM)	
Welcoming and addressing the gathering by M.C	
Invocation song (10:00 AM to 10:05 AM)	**Akila Sriraman** **Final year – BT student**
Lighting of Lamp	
Welcome address (10:10 AM to 10:20 AM)	**Dr. Suneetha T. B** HoD- Biotechnology, AIT, Bangalore
Formal Address (10:20 AM to 10:40 AM)	1. **Mr. Krishna Basani** Managing Director, Acharya Institutes 2. **Mr. Iqbal Ahmed** Dy. Director -Training & Collaboration, Acharya Institutes, 3. **Mr. Aravind Ganessin** Managing Director, Dextrose Technologies Pvt. Ltd., Bangalore-107. 4. **Prof. Ismail Shareef M** Professor & Dy. Director – Placements, Acharya Institutes
Presidential address (10:40 AM to 10:45 AM)	**Dr. Rajath Hedge M.M** Principal, AIT
Vote of Thanks	
TEA BREAK	

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SESSION-1 (11:00AM to 1:00 PM) **Venue: ANA Block**	
Hands-on training in BT LAB -1	• Isolation of DNA and Purification
Hands-on training in BT LAB -2	• DNA Estimation
Hands-on training in BT LAB -3	• DNA Estimation and Buffer Preparations
LUNCH BREAK	
SESSION-2 (1:30P.M to 4:30 P.M) **Venue: ANA Block**	
Hands-on training in BT LAB -1	• 2D Electrophoresis
Hands-on training in BT LAB -2	• Gel Documentation
DAY-2 (25/04/2023)	
SESSION-3 (9:30 P.M to 4: 30P.M)	
Hands-on training in BT LAB -1	• Protein purification from bacteria (TCA precipitation)
Hands-on training in BT LAB -2	• Replica plating
Hands-on training in BT LAB -3	• SDS PAGE
DAY-3 (26/04/2023)	
SESSION-4 (9:30 P.M to 4:30P.M)	
Hands-on training in BT LAB -1	• Native PAGE
Hands-on training in BT LAB -2	• Southern Blotting
Hands-on training in BT LAB -3	• Bio assay [HCP Cell assay]
DAY-4 (27/04/2023) Venue : CAED lab, ANA block,	
SESSION-4 (9:30 AM to 4:30P.M)	
Expert Talk & Hands on training	NGS analysis
SESSION-5 (9:30 AM to 4:30P.M)	
Expert talk & Hands on training	• Exome analysis, Functional meta genomics, Phylogenetic analysis.
DAY-5 (28/04/2023) Venue : CAED lab, ANA block,	
SESSION-6 (9:30 AM to 12:30P.M)	
Hands-on training & Hands on training	• Sequence Alignment
SESSION-5 (2.00 P.M to 4.30P.M)	
Valedictory	
Address	**Dr. Suneetha T.B** HOD- Biotechnology, AIT, Bangalore.

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Formal address	1. **Mr. Krishna Basani** MD, Acharya Institutes 2. **Prof. Iqbal Ahmed** Dy. Director -Training & Collaboration, Acharya Institutes, 3. **Mr. Anooj E S** Managing Director, Xcellogen Biotech India Pvt. Ltd., Thiruvananthapuram 4. **Dr. Ismail Shareef M** Professor & Dy. Director – Placements, Acharya Institutes
Feedback from participants	
Vote of Thanks	

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DEPARTMENT OF BIOTECHNOLOGY

Workshop on Molecular Techniques and NGS Analysis at Acharya by Dextrose Private Limited

Students from the Department of Biotechnology participated in a 5 day workshop held at Merck innovation lab, Bangalore from 24 th to 28 th of April 2023. The workshop was based on the topic " **Molecular Techniques and NGS Analysis**", with special focus on molecular biology methods. Through a series of lectures, discussions and case studies, a panel of industry and academia experts helped the students in developing skills to overcome the challenges. This was coupled with a detailed and intensive hands-on workshop through which the students will use new and advanced methods and tricks that would be very useful in improving their scientific effectiveness. The concepts demonstrated in the workshop were very beneficial to the students as they form an integral part of their curriculum.

Objectives:

- To gain an understanding of the different DNA and Protein extraction techniques currently in use.
- To get practical experience using the bioinformatics tools applying the gained knowledge.

Topics covered:

- DNA techniques: Isolation, basics of PCR, Gel Electrophoresis.
- Protein Purification: Isolation, Electrophoresis and Quality Control.
- Western Blotting
- Exome analysis, Functional meta genomics, Phylogenetic analysis.

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Highlights of the program:

- Research Design- Defining questions, designing experiments, data analysis and data handling.
- An insight into DNA isolation and quantification
- An in-depth analysis of Protein and Nucleic Acid Separation and Sequencing Processes.
- Bioinformatics lab

Program outcomes

- Students have understood the significance of nucleic acid separation techniques in molecular biology.
- Students have a better overview of usage of Bioinformatics tools
- Students are more confident to undertake future projects relating to the subject.

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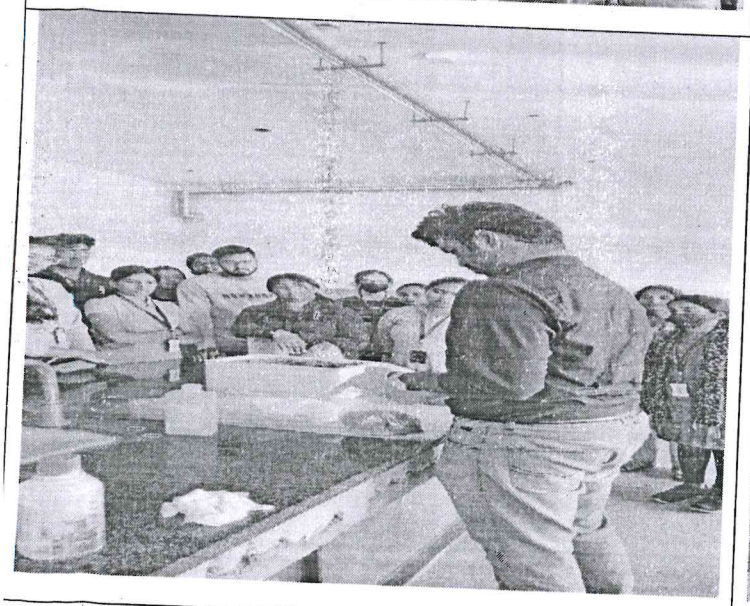
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Photos During Sessions:









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e) The Parties intent to cooperate and focus their efforts on cooperation within areas of Skill Enhancement Training, Placement, create Industrial / Infotech exposure of the students of First Party, Contribute in Course design to make it more effective for industrial perspectives, creating cutting-edge tech learning opportunities for Students and facilitating Academic Quality Improvement through Faculty Development Program (FDP), Consulting opportunities for Faculties, etc.

f) The Parties intent to provide best industrial / infotech exposure to the students and faculty members of the first party to motivate them for learning the latest trend of the technology in/ from the industry.

g) The Research Lab to be an Incubation centre for new research and products and provide mentorship for startups and also a centre for Creating of contemporary academic course work and labs in the field of computer networking.

h) The Parties intend to provide paid internships opportunity to the students of the first party to work on the real time projects to gain hands-on experience and to provide the best Placement Platform to the students by exploring the needs of the industries.

2. DELIVERABLES OF BOTH THE PARTIES

a) Deliverables by First Party

Acharya Institutes, shall in good faith provide all requisite support and assistance to **Second Party** in order to achieve objectives contemplated under this MOU in the letter and spirit; more specifically comply with the following obligations:

1. Provide and allocate the suitable space of 2555 Sq ft for the industry research lab and necessary utilities (e.g., electricity, water, and internet connection).
2. Ensure that the research activities carried out at the research lab are in compliance with all relevant laws, regulations, and ethical guidelines.
3. All participants from the academic institution should sign a Non Disclosure agreement from the industry partner and should adhere to the confidentiality of existing Intellectual Property of the industry partner.
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5. Design the course and intern programs to suit the Research project requirements .
6. Promote the Candela Technologies success stories with the students and youngsters via seminars, panel meetings , Tech seminars, workshops etc.
7. The Second party is free to utilise the space for the other research and testing activities along with the other industrial partners apart from the joint collaboration activities.

b) Deliverables by Second Party General Deliverables:

1. Provide the necessary funding for the establishment and operation of the research lab.
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3. Appoint a Facility management services agency to maintain the facility.
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Memorandum of Understanding (MoU) for Acharya Institute of Technology - Candela Technologies India Pvt Ltd Collaboration for Setting up a Industry Research Lab

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this day (31st May 2023), by and between:

Acharya Institute of Technology, an Educational Institution owned, operated and maintained by JMJ Education Society duly represented by its Vice-Principal and Deputy Director, International Collaborations, **Prof. Marigowda**, the institution having registered office address at **Acharya Institute of Technology, Acharya Dr.Sarvepalli Radhakrishnan Road Soldevanahalli, Bangalore-560107** which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assignees).

AND

Candela Technologies India Private Limited, with the registered office address at **Candela Technologies India Private Limited. Floor No. 4th and 5th, Hill-Crest Apartments, Peddarishikonda, Visakhapatnam, Andhra Pradesh, India, 530045.** represented herein by its representative **Mr. Sitarama Kalyana Chekravarthy Penumetsa** the Second Party (hereinafter referred to as 'Second Party' or " Industry Partner', company which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party') as

WHEREAS, Academic Institution and Industry Partner recognize the mutual benefits of an academic-industry partnership for the establishment of a Industry research lab, and desire to set forth the terms and conditions of such a partnership through this MoU.

NOW, THEREFORE, the parties agree as follows:

1. **Objective**

   a) The purpose of this collaboration is to establish an Industry research lab for " **Wireless Networking and Certification Lab**" at the premises of the Acharya Institute of Technology and invite various companies in the industry to use the Research lab for their Testing purposes.

   b) The industry research lab will be dedicated to research activities related to the lab and Joint research and development of new technologies, products, and services with collaboration with Academia and Other Industries.

   c) To establish a Research Lab which will be the Centre of Excellence for WiFi testing in India, attracting many companies both in India and abroad to send their products to be tested in this lab. The Lab will create core domain expertise in the fields of computer networking and wireless communications for the Industry, Students and faculty.

   d) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources and provide each of them with enhanced opportunities.

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6. Provide the necessary expertise and manpower to carry out the industrial projects and create a Mentors Pool from the Industry experts for guiding the students .
7. Provide Internships to the Students of the First Party
8. Mentor the students and faculty to develop Innovation and start-ups for guidance or strategic collaboration and assist in designing Skill upgradation programs for students and faculties.
9. To help in curriculum development for the courses of the MOU

c) Specific Deliverables:
1. To help create course(s) to meet Industry needs.
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Agreement

8 Intellectual Property Rights
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c) The parties shall protect each other's confidential information and take necessary measures to prevent any unauthorized disclosure or use of confidential information.

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14 Integration:

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This Agreement contains the Agreement and understanding by and between the both parties and no representations, promises, agreements or understandings, written or oral, not herein contained shall be of any force or effect.

IN WITNESS WHEREOF, the parties have caused this MoU to be executed by their duly authorized.

ACHARYA INSTITUTES
Office of International Affairs & Collaboration
BANGALORE

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CANDELA TECHNOLOGIES INDIA PVT LTD
Floor No.4th & 5th, Hill Crest Apartment, Pedda Rushikonda,
Visakhapatnam, Andhra Pradesh - 530045
Website-https://www.candelatech.com/ E-mail: sales@candelatech.com
Phone: +91 6305846520, +91 6305884701

Date: 18.06.2024

Subject: Candela Acharya Collaboration 1 Year Review Update

Dear Sir/Madam,

We are thankful to the Acharya team for collaborating with Candela Technologies India Pvt Ltd. The collaboration is bringing together several learning and career opportunities to the Acharya students. Over the past year, the Candela team has offered various opportunities to Acharya students, including courses, internships, career guidance, orientation programs, and in-lab seminars. We have listed out key moments and activities:

1. Candela offered full time opportunities to 3 students who were doing paid internship with Candela, 1 student has accepted the offer and started working as a full-time Candela employee.
2. We organized in campus seminar for ECE students where Candela team provided the sessions on IoT and its industrial applications.
3. Candela team is providing orientation to the students, where students from different branch and semester are visiting the CAWIN (Candela Acharya Wireless Innovation) lab.
4. Guests from different countries visited the AIT campus and Candela team provided the tour and orientation of the Wi-Fi testing facilities and opportunities offered to the students.
5. Short term internship has been offered to the students under the skill development program and provided them the Candela excellence certificates.
6. Acharya students are coming to the CAWIN lab for career guidance, inquiring about the internship opportunities, coming up with project doubts and asking for technical assistance in their projects.
7. Several WiFi vendors are using the CAWIN lab facility for testing as a service and one of the major projects is from OpenWiFi, it has become a centre of attractions in the WiFi community.
8. Candela has offered 6-month full time paid internship opportunities to 4 AIT students; and Six AIT students were offered a 6-week internship at the Candela office, where they learned about the latest Wi-Fi and Computer Network technologies.
9. Candela team has organized an event titled as IGNITE 2023. In this event, several Industry experts visited AIT campus and provided Career guidance seminars to the students.
10. Online Wi-Fi and Computer networking course is going on for the students, where Candela team is conducting the sessions remotely and covering in-depth details of Wi-Fi by the industry experts.

This collaboration has brought numerous opportunities for the students and has been beneficial for Candela in executing customer service projects. The Candela team is also planning a skill development course for students in the upcoming semester. We kindly request the AIT management to review the activities conducted by the Candela team and provide feedback accordingly.

Thanks & Regards,

Amol Jawale

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CANDELA TECHNOLOGIES INDIA PVT LTD
Floor No.4th & 5th, Hill Crest Apartment, Pedda Rushikonda,
Visakhapatnam, Andhra Pradesh - 530045
Website-https://www.candelatech.com/ E-mail: sales@candelatech.com
Phone: +91 6305846520, +91 6305884701

Following is couple of pictures showcasing the customer and guest visits to the campus and students' engagement with Candela team.

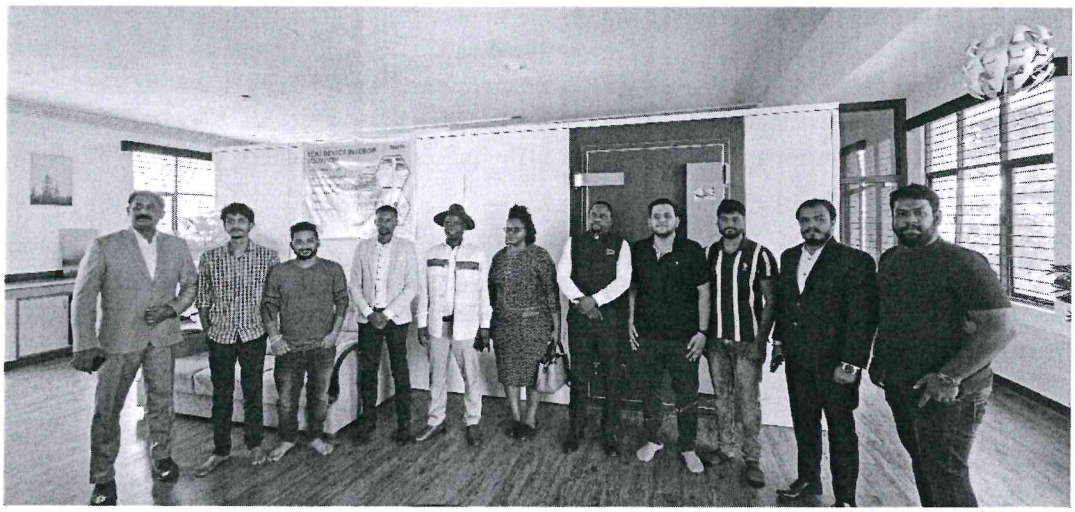
Guests Visit:
Guests from around the world visited the Candela office through Acharya and expressed positive responses regarding the collaboration.









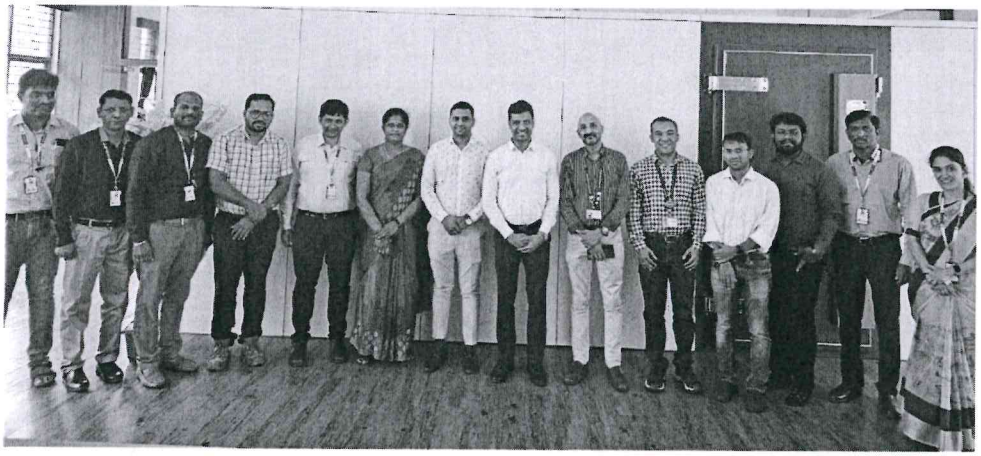


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Students and Faculty Orientation Tour with the Candela Team:
Every Friday, students from different semesters and streams were given a lab tour and technical guidance at the Candela office.



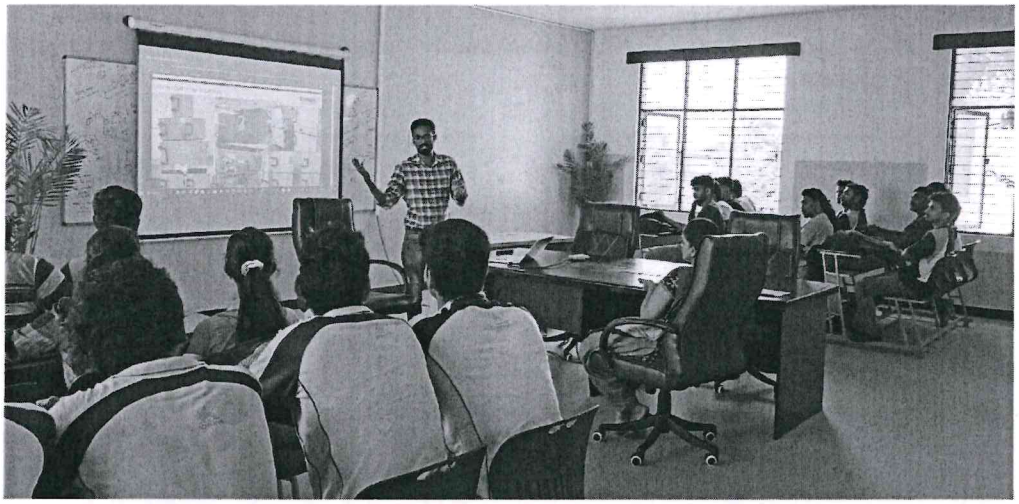




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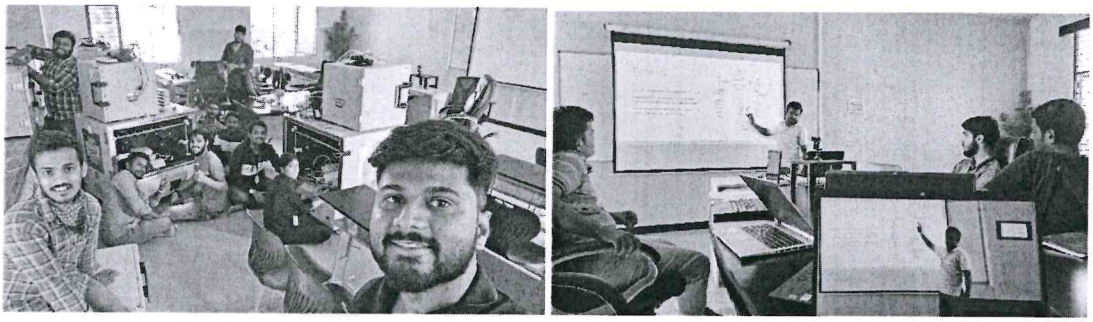


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Students' internship and workshop Programs:
We conducted a 6-week workshop program for second-year students and a 6-month paid internship program for final-year students. Students were provided with the certificate on the completion of course.



Students hands-on workshop and weekly presentations on there tasks





Students awarded with the certificates after their successful completion of the internship and workshop

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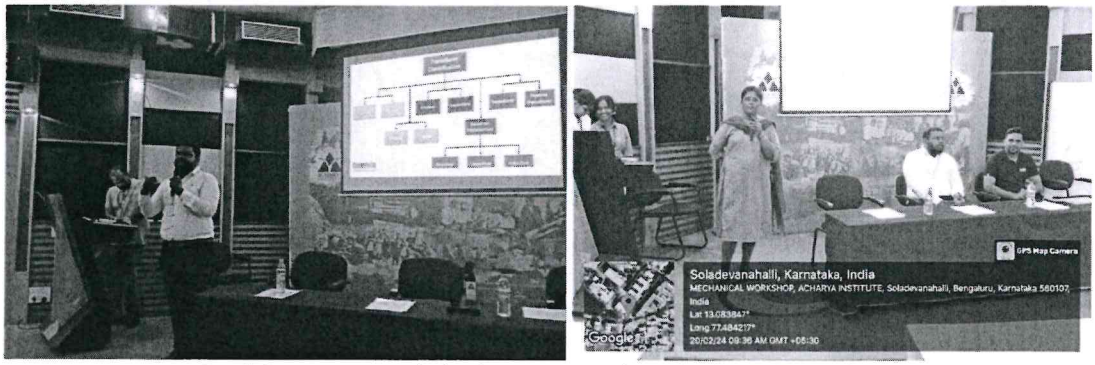
Candela Team: Orientation and Lab tour to AIT faculties:
Candela CEO Sitarama provided an orientation session to the Acharya faculty, highlighting the importance of this collaboration and the benefits it offers to students followed by a lab tour in the office.



GM and CTO Mr. Sitarama Penumetsa of Candela Technologies provided orientation for the Acharya Faculties.



After orientation Candela team provided lab tour to the faculties



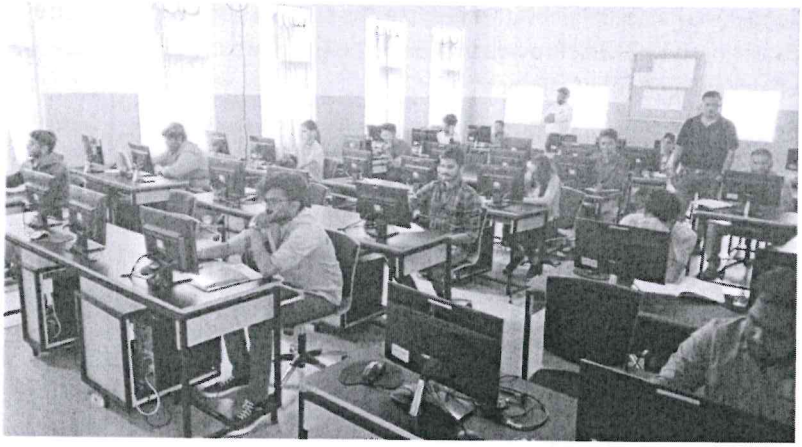
Candela team provided informative technical talk to the students

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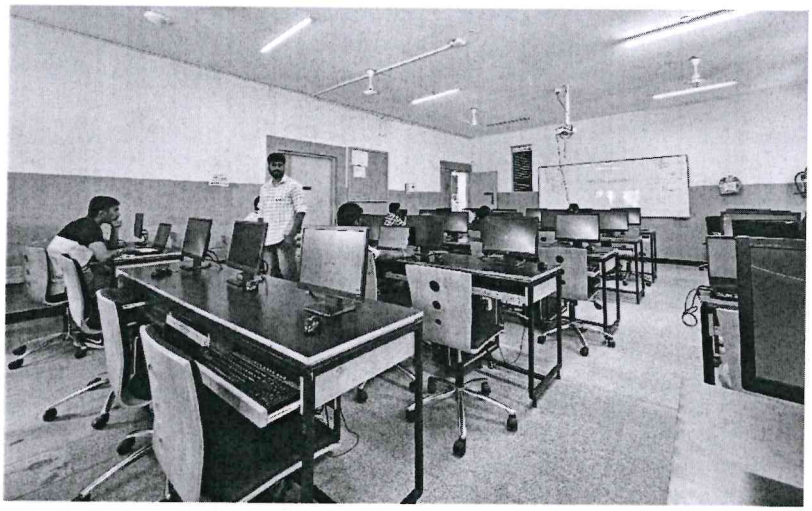
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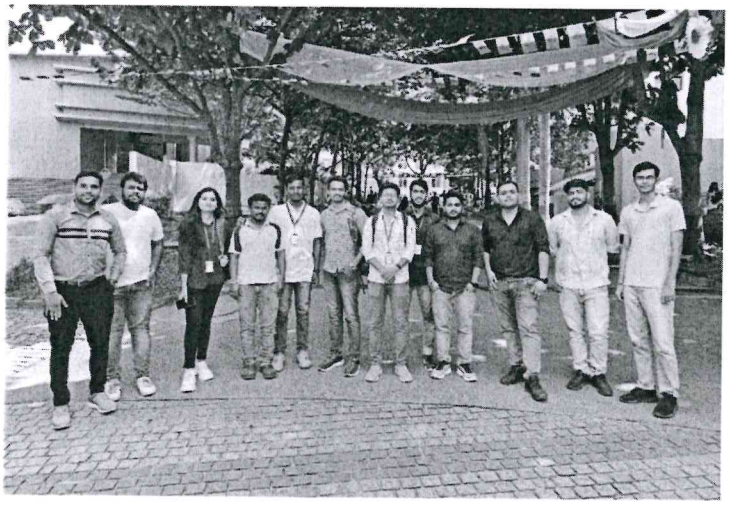
Students Recruitment for internship and workshop programs:



Students Enrolled in Candela's internship program Take Online Exams

Students Enrolled in candelas hands on workshop program Took Online Exams







AIT Students shortlisted for Candela skill development program.

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IGNITE 2023:

We organized IGNITE, a Candela Acharya Collaborative Program for students, featuring industry experts from various fields as guest speakers. Providing valuable insights into career guidance, technical skills, and personal development of students.



200+ Final year students attended the career guidance program.



Guests from various corporate companies

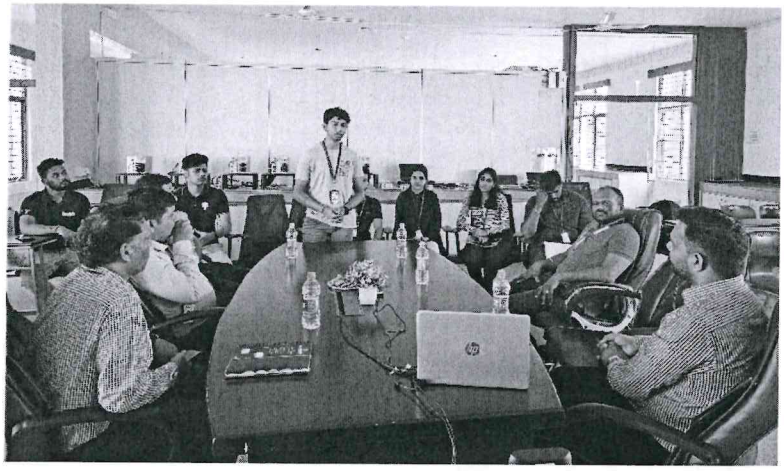


Panel Discussion: Guest discussing about the possible career path for the students.

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Student volunteers and faculty held multiple meetings with our team to discuss the event design and address challenges.

Volunteers from Acharya stepped forward, ensuring the event's success





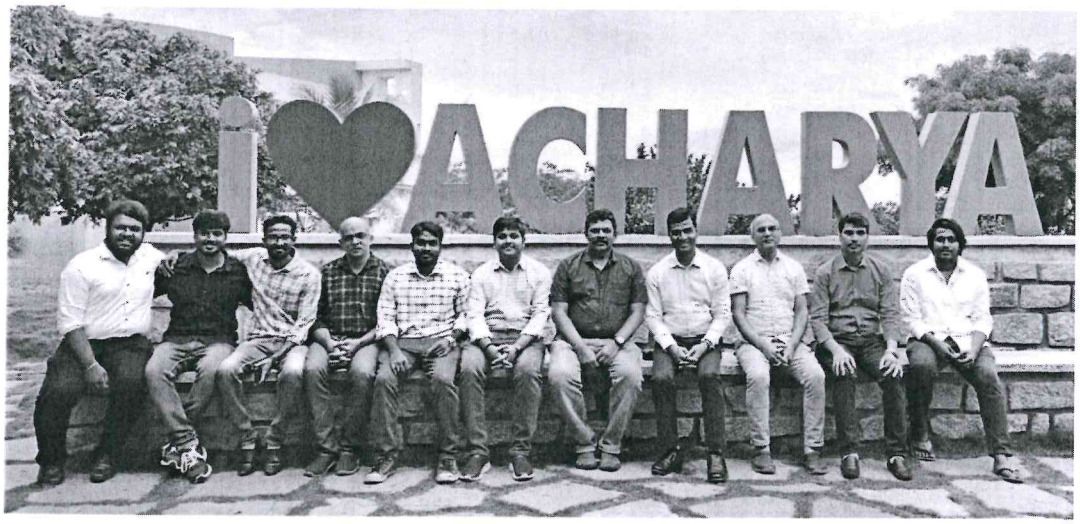
The Team Behind the Scenes Who Made the Event a Success

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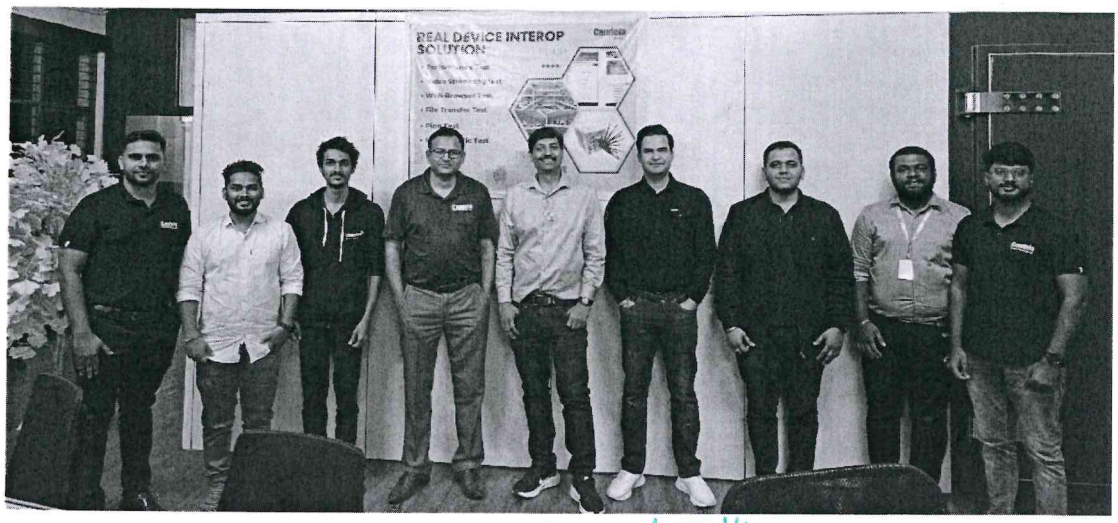
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Customer Visits:
Over the year, customers from various companies visited our campus to inspect the infrastructure offered to students through our collaboration





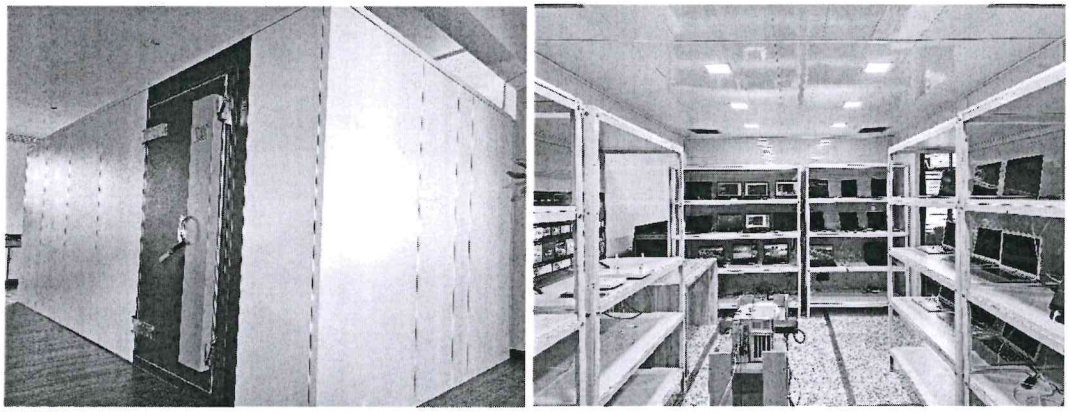


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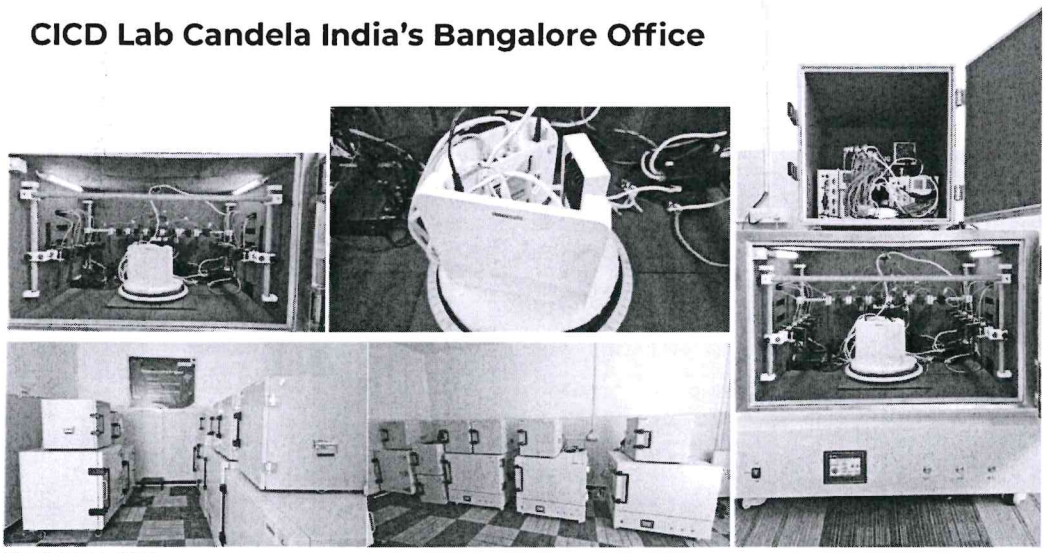
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CAWIN LABs Bangalore office:
The Candela Bangalore office is equipped with various labs for Wi-Fi Testing on both virtual and real clients. TIP labs featuring basic to advanced testbeds for simulated home environment testing scenarios, and the BREAD lab with a large walk-in chamber for testing with real clients.



BREAD LAB



CICD TIP LABS

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3

सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

e-Stamp

Certificate No.	:	IN-KA64148537261092V
Certificate Issued Date	:	08-Dec-2023 12:20 PM
Account Reference	:	NONACC (FI)/ kacrsfl08/ CHIKKABANAWARA/ KA-GN
Unique Doc. Reference	:	SUBIN-KAKACRSFL0895694899151527V
Purchased by	:	ACHARYA INSTITUTES
Description of Document	:	Article 37 Note or Memorandum
Description	:	MEMORANDUM OF UNDERSTANDING
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	ACHARYA INSTITUTES
Second Party	:	XCELLOGEN BIOTECH INDIA PVT LTD
Stamp Duty Paid By	:	ACHARYA INSTITUTES
Stamp Duty Amount(Rs.)	:	20 (Twenty only)

Please write or type below this line

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is entered into on **4th** day of **December** 2023 (the "Effective Date," which shall be the date on which this MOU is fully executed (hereinafter referred to as Effective date), by and between Acharya Institute of Technology, Acharya Dr.Sarvepalli Radhakrishnan Road, Bangalore (hereafter referred to as "AIT"), located in Bangalore, India, represented by its MD, Mr.Krishna Reddy Basani, Acharya Institutes, Bangalore and ***Xcellogen Biotech India Pvt Ltd,Chackai,Thiruvananthapuram, Kerala 695024***, agree to explore the possibility of developing the highest quality programs to advance the needs to AIT and ***Xcellogen Biotech India Pvt Ltd, Thiruvananthapuram***. AIT and ***Xcellogen Biotech India Pvt Ltd*** are hereafter collectively referred to as the "Parties". It is hereby specifically agreed to between both the parties, that this is a broad based general

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agreement. Later both the parties would sit down and bring out another agreement/MOU which would deal with specific areas of mutual cooperation as also the commercials pertaining to the same.

Purpose

The purpose of this Memorandum of Understanding is to define the framework of engagement between the two organisations, which will facilitate joint research, preparation and submission of joint proposals to BIRAC, DBT, DST, ICMR and other governmental and non-governmental organizations and exchange of knowledge and resources for mutual benefit.

1: ABOUT ACHARYA INSTITUTE OF TECHNOLOGY

Acharya Institute of Technology is a constituent college under the educational conglomerate Acharya Institutes. In its 33 years of existence, Acharya is a home away from home for nearly 3000 international students from 80 countries. With over 15000 students on its state of the art 120-Acre campus, Acharya is today the LARGEST Composite Academic facility in Bangalore, the silicon valley of India. AIT is affiliated to Visvesvaraya Technological University, Belgaum, recognized by UGC and AICTE and NAAC Accredited. It is certified as "SIRO" by NSTEBD, , Ministry of Science and Technology, GOI, New Delhi.

2: ABOUT XCELLOGEN BIOTECH INDIA PVT LTD, TRIVANDRUM.

Xcellogen Biotech is a recognized company in the field of Life-science. We are MSME, ISO, Kerala Startup Mission and Startup India Recognized Organization. We endeavor to bring to researchers and Students innovation-focused organizations cutting edge tools for applications across **Microbiology, Phytochemistry, Herbal Medicine, Pharmacology, Molecular Biology, Nano-Biotechnology, Bioinformatics, Biochemistry, Food and Nutrition, HACCP** and much more.

We provide **hands-on training** with equipment to students during Workshop, Seminar and Internship programme, Industrial Visits, Virtual training and more.
We provide certificate training programme also. We believe that such a partnership would bring mutual benefits and open avenues for collaborative projects and initiatives.

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NOW THEREFORE IN CONSIDERATION OF THE MUTUAL COVENANTS AND PROMISES MADE HEREINAFTER THE PARTIES HERETO AGREE AS FOLLOWS:

3: SCOPE OF STRATEGIC ALLIANCE

a). Faculty Members of AIT and staff of **Xcellogen Biotech India Pvt Ltd, Trivandrum**will take up **faculty exchange programs**, FDP, faculty and student training, consultancy, joint research and consultancy projects that will facilitate joint research, preparation and submission of joint proposals to BIRAC, DBT, DST, ICMR and other governmental and non-governmental organizations and exchange of knowledge and resources for mutual benefit

b). All confidential information between the two organizations shall be used exclusively for the purpose of the assigned project. However, confidentiality will not apply for such information which was already in the receiving party's possession prior to receipt from the disclosing party or is at the time of disclosure already in the public domain or subsequently becomes available through no breach of this MOU by the receiving party.

4: GENERAL CONDITIONS

a). Each party will establish a single point of contact (SPOC) who will serve as the principle interface for the respective organisation. On behalf of AIT, Dr. Shilpa Sivashankar, will be the SPOC and on behalf of **Xcellogen Biotech India Pvt Ltd, Trivandrum, Mr. Anooj E S** will be the SPOC.

b). All the faculty members who become part of such consultancy, research and development work will have to sign a Non-Disclosure Agreement with their respective organistions.

c). This MOU will be valid for a period of **three years** from the date of this agreement and may be extended thereafter if both the parties so desire.

d). Detailed micro level agreement will be entered into subsequent to this MOU. It is also hereby specifically agreed between both the parties that they will submit jointly proposals wherever required and found feasible.

e). The activities of mutual engagement listed above is not complete and exhaustive. **Xcellogen Biotech India Pvt Ltd, Trivandrum** and **AIT** personnel are free to identify areas of common interest and to take up tasks that will be mutually beneficial.

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f). Amendments or modifications to this MOU will not be valid unless the same is made in writing by all the parties concerned or through their authorized representatives and specifically making the same as an addendum or amendment to this agreement. The same shall be effective from the date on which they are made/executed unless otherwise agreed upon.

5: TERMS OF THE AGREEMENT

This agreement will remain valid for a period of three years commencing from the date of signing this agreement, unless terminated earlier pursuant to the provision contained under clause 6 herein. The parties with their mutual consent can extend the validity of this agreement for such period and upon such terms as may be mutually agreed from time to time.

6: TERMINATION AND EFFECT

6.1 This agreement can be terminated before expiry of tenure in the following manner:

A. Forthwith by mutual consent in writing or in case either party commits breach which by nature cannot be cured, within five (5) working days

B. By either party upon giving a one-month (30 calendar days) notice in writing to the other party without assigning any reason.

7: CONFIDENTIALITY

7.1 All information, documents, data, records, software, files etc. (whether technical, financial or commercial including customer information) in any form, media, whether electronic, digital or optic, communicated/supplied by either party to the other party or acquired during the course of association (hereinafter referred to as "Confidential Information"), shall be deemed to be confidential or proprietary in nature. The Confidential Information shall be held in utmost secrecy, strictest confidence and trust by the receiving party.

7.2 Both parties agree not to directly or indirectly use or permit the use, divulge or disclose such Confidential Information to any third party for any purpose other than for carrying out the obligations under this agreement or statutorily required to be disclosed

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08: ARBITRATION, JURISDICTION AND GOVERNING LAWS

All claims disputes and differences of whatsoever nature arising out of this agreement, raised by the either party under this agreement whether during its term or after expiry thereof or prior termination shall be referred for arbitration by a sole Arbitrator appointed with mutual consent of the parties. The venue/place/seat of the Arbitration shall only be Bengaluru. Arbitration proceedings shall be conducted in English language as per the provisions of the Indian Arbitration and Conciliation Act, 1996 including any statutory modification or reenactment.

IN WITNESS WHEREOF THE PARTIES ABOVE NAMED HAVE SIGNED THE MOU HAVING ACCEPTED AND SIGNED IN THE PRESENCE OF THE FOLLOWING WITNESSES:

For Acharya Institute of Technology
Bangalore

04/12/23

Dr. Rajath Hegde M M
Principal

ACHARYA INSTITUTES ★ BANGALORE ★ Office of International Affairs & Collaboration

Witness:

1. Mr. Iqbal Ahmed
Deputy Director, Collaborations
Acharya Institutes, Bangalore

2. Dr. Shilpa Sivashankar 4/12/23
HOD-Department of Biotechnology,
Acharya Institute of Technology, Bangalore

3. Dr. Anuroopa Nadh
R&D consultant,
Xcellogen Biotech India Pvt Ltd, Trivandrum

For Xcellogen Biotech India Pvt Ltd
Trivandrum

4/12/23

Mr. Anooj E S
Managing Director

XCELLOGEN BIOTECH INDIA PVT LTD ★

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Xcellogen Biotech Pvt Ltd
Where science & Technology Meets

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DEPARTMENT OF BIOTECHNOLOGY

BIONFINITY

BIOSAVVY

"A WORKSHOP ON MOLECULAR TECHNIQUES AND BIOINFORMATICS"

Date: 4th - 8th December 2023 | Time: 10 AM to 5 PM
Target Audience: Students of Biotechnology
Venue: Department of Biotechnology, AIT

ABOUT THE PROGRAM:

Objective of the program:

- To equip the students with antimicrobial evaluation and various hybridization techniques for DNA
- To provide hands-on experience to the students with the protein isolation and purification techniques
- Awareness on various bioinformatics databases
- Application of basic bioinformatics tools like BLAST

Expected outcome of the program:

- Apply the techniques used for DNA hybridization, protein purification.
- Predict the use of different bioinformatics tools

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https://www.acharyainstitutes.in/index.php?r=acerp-api/acerp-events&id=305
Registration fee: ₹1500/-

RESOUCE PERSONS



DR.VIBHALA
Chief scientific officer



MR. MOHAMMED SHINHAS
Scientific Executive

www.acharya.ac.in

ACHARYA

ACHARYA INSTITUTE OF TECHNOLOGY
Dr. Sarvapalli Radhakrishnan Road
Soldevanahalli, Bangalore-560107
DEPARTMENT OF BIOTECHNOLOGY

PROGRAM SCHEDULE

"Biosavvy: A workshop on Molecular Techniques and Bioinformatics"

DAY-1 (4/12/2023) Venue : Mechanical Seminar Hall	
9:00 AM to 9:45 AM	**Registration**
Inauguration (10:00 AM to 11:00 AM)	
Welcoming and Addressing the gathering by M.C	
Invocation song (10:00 AM to 10:05 AM)	**Akila Sriraman** **Final year – BT student**
Lighting of Lamp	
Welcome address (10:10 AM to 10:20 AM)	**Dr. Shilpa Sivashankar** HoD- Biotechnology, AIT, Bangalore
Formal Address (10:20 AM to 10:40 AM)	1. **Mr. Krishna Basani** Managing Director, Acharya Institutes 2. **Mr. Iqbal Ahmed** Dy. Director -Training & Collaboration, Acharya Institutes, 3. **Mr. Anooj E S** Managing Director, Xcellogen Biotech India Pvt. Ltd., Thiruvananthapuram 4. **Prof. Ismail Shareef M** Professor & Dy. Director – Placements, Acharya Institutes
Presidential address (10:40 AM to 10:45 AM)	**Dr. Rajath Hedge M.M** Principal, AIT
Vote of Thanks	
TEA BREAK	

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DEPARTMENT OF BIOTECHNOLOGY

SESSION-1 (11:00AM to 1:00 PM)	
Venue: ANA Block	
Hands-on training in BT LAB -1	• Cell fractionation and DNA purification
Hands-on training in BT LAB -2	• ELISA
Hands-on training in BT LAB -3	• MIC
LUNCH BREAK	
SESSION-2 (1:30P.M to 4:30 P.M)	
Venue: ANA Block	
Hands-on training in BT LAB -1	• Cell fractionation and DNA purification
Hands-on training in BT LAB -2	• ELISA
Hands-on training in BT LAB -3	• MIC
DAY-2 (5/12/2023)	
SESSION-3 (9:30 P.M to 4: 30P.M)	
Hands-on training in BT LAB -1	• Protein purification from bacteria (TCA precipitation)
Hands-on training in BT LAB -2	• Replica plating
Hands-on training in BT LAB -3	• SDS PAGE
DAY-3 (6/12/2023)	
SESSION-4 (9:30 P.M to 4:30P.M)	
Hands-on training in BT LAB -1	• AGE
Hands-on training in BT LAB -2	• Southern Blotting
Hands-on training in BT LAB -3	• Replica plating results
DAY-4 (7/12/2023) Venue : CAED lab, ANA block,	
SESSION-4 (9:30 AM to 4:30P.M)	
Expert Talk & Hands on training	Bioinformatics and its applications
SESSION-5 (9:30 AM to 4:30P.M)	
Expert talk & Hands on training	Biological databases
DAY-5 (8/12/2023) Venue : CAED lab, ANA block,	

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DEPARTMENT OF BIOTECHNOLOGY

Hands-on training & Hands on training	SESSION-6 (9:30 AM to 12:30P.M) Sequence Alignment
SESSION-5 (2.00 P.M to 4.30P.M)	
Valedictory	
Address	**Dr. Shilpa Sivashankar** HOD- Biotechnology, AIT, Bangalore
Formal address	1. **Mr. Krishna Basani** MD, Acharya Institutes 2. **Prof. Iqbal Ahmed** Dy. Director -Training & Collaboration, Acharya Institutes, 3. **Mr. Anooj E S** Managing Director, Xcellogen Biotech India Pvt. Ltd., Thiruvananthapuram 4. **Dr. Ismail Shareef M** Professor & Dy. Director – Placements, Acharya Institutes
Feed back from participants	
Vote of Thanks	

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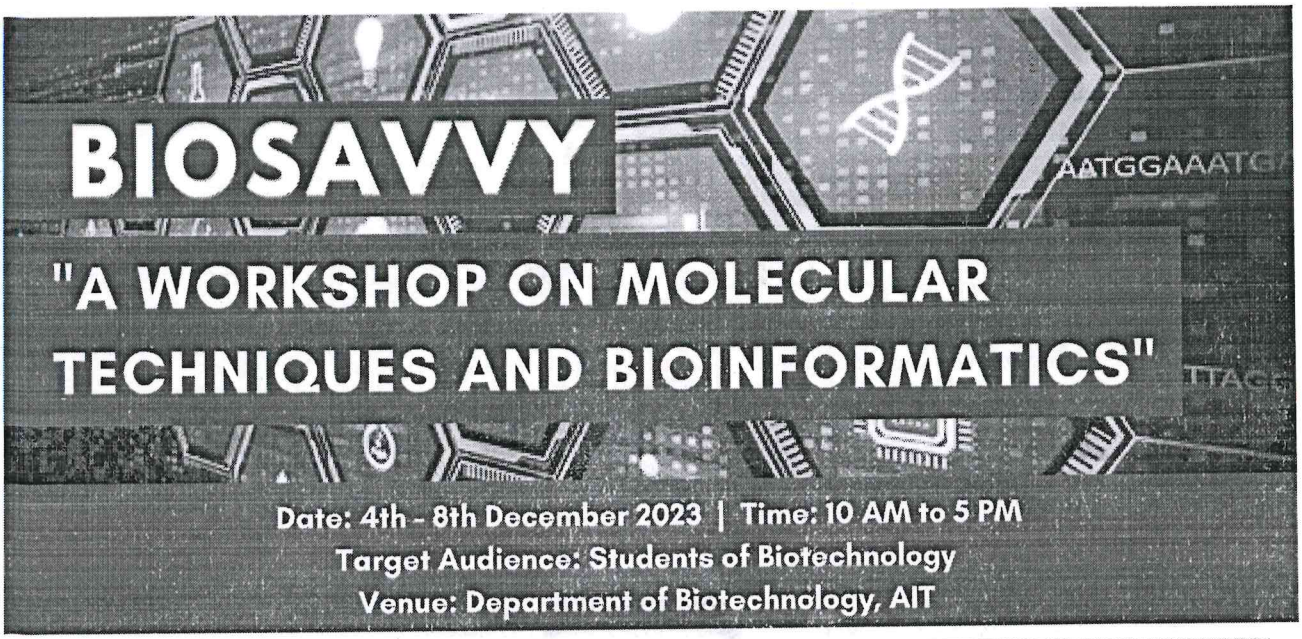
Xcellogen Biotech Pvt Ltd
Where science & Technology Meets

#startupindia

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DEPARTMENT OF BIOTECHNOLOGY

BOINFINITY



•About the College:

Established in 2000 to impart excellent quality Technical Education. The institution aims at training and empowerment of students with high professional caliber and students are driven by the urge to tap the opportunities in emerging technological domains. Acharya Institute of Technology is deeply engaged in significant research projects supported by prestigious organizations, focusing on areas of national importance. With state-of-the-art facilities, advanced instruments, and recognized research centers spanning 11 specializations. Acharya houses a Business Incubator for budding entrepreneurs. Our training programs provide an extra edge to equip students with the in-demand skills of the industry. We give add-on certifications from IBM, L&T and provide placement services with 200+ companies visiting the institution. Join us for a fulfilling career and an enriching educational journey at Acharya, the best engineering college in Bangalore.

•Vision and mission of the college:

Vision-

Acharya Institute of Technology, committed to the cause of sustainable value-based education in all disciplines, envisions itself as a global fountainhead of innovative human enterprise, with inspirational initiatives for Academic Excellence.

Mission-

Acharya Institute of Technology strives to provide excellent academic ambience to students for achieving global standards of technical education, foster intellectual and personal development, meaningful research, ethical, and sustainable service to societal needs.

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Xcellogen Biotech Pvt Ltd
Where science & Technology Meets

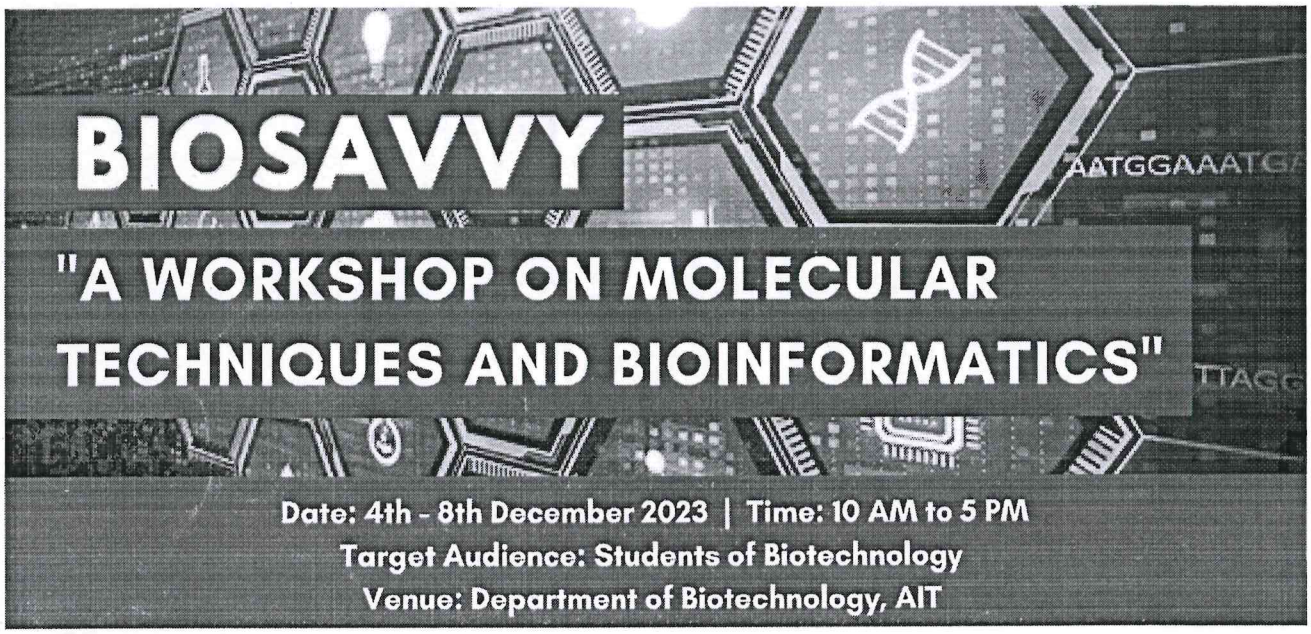
#startupindia

ISO CERTIFIED

Acharya Dr.Sarvepalli Radhakrishnan Road, Soladevanahalli, Hesarghatta Main Road, Bengaluru-560107

DEPARTMENT OF BIOTECHNOLOGY

BEINFINITY



•About the College:

Established in 2000 to impart excellent quality Technical Education. The institution aims at training and empowerment of students with high professional caliber and students are driven by the urge to tap the opportunities in emerging technological domains. Acharya Institute of Technology is deeply engaged in significant research projects supported by prestigious organizations, focusing on areas of national importance. With state-of-the-art facilities, advanced instruments, and recognized research centers spanning 11 specializations. Acharya houses a Business Incubator for budding entrepreneurs. Our training programs provide an extra edge to equip students with the in-demand skills of the industry. We give add-on certifications from IBM, L&T and provide placement services with 200+ companies visiting the institution. Join us for a fulfilling career and an enriching educational journey at Acharya, the best engineering college in Bangalore.

•Vision and mission of the college:

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Department of Biotechnology

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Report of five days hands- on training on Biosavvy: A workshop on Molecular Techniques and Bioinformatics"

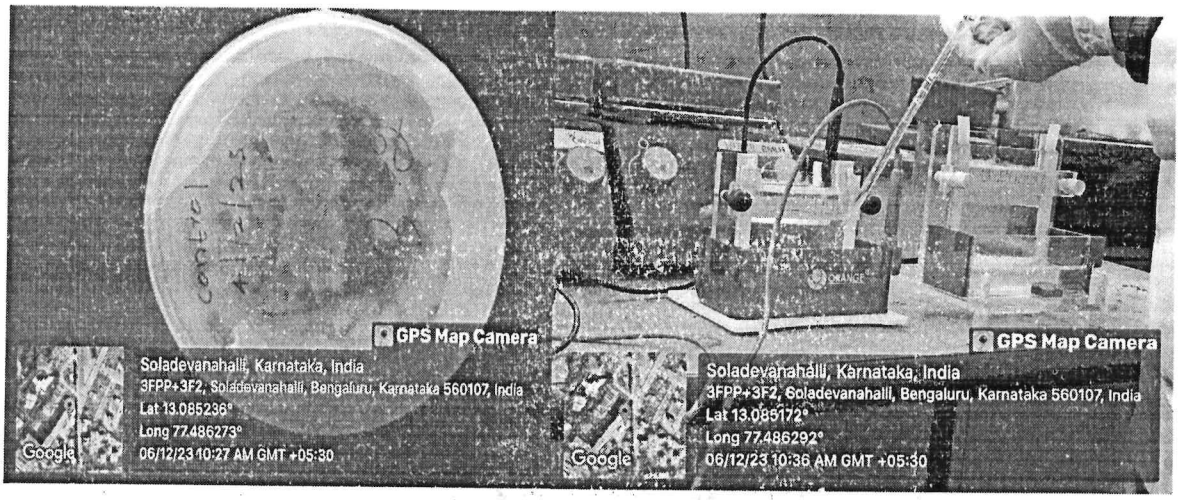
Department of Biotechnology, AIT in association with Xcellogen Biotech India Pvt. Ltd, Trivandrum, Kerala organized five days of hands-on training on **Biosavvy: A workshop on Molecular Techniques and Bioinformatics"** from 4th December 2023 to 8th December 2023 with the following objectives:

1. To equip the students with antimicrobial evaluation and various purification techniques for DNA
2. To provide hands-on experience to the students with the protein isolation and purification techniques
3. Awareness on various bioinformatics databases
4. Application of basic bioinformatics tools like BLAST

Day-1 was initiated with the welcome address by Ms. Akila Sriraman, 7th semester student, followed by invocation song . Dr. Shilpa Sivashankar, HOD- Biotechnology formally welcomed the dignitaries and the students to the five days hands on training on Molecular techniques and Bioinformatics.

The importance of conducting five days hands on workshop were highlighted. It was followed by the presidential address by the Principal Dr. Rajath Hegde. Vote of Thanks was delivered by Mr. Pruthvish R, Assistant Professor.

On the first day of the hands on workshop, students were given exposure to the microbial techniques such as Replica plating , protein separation using SDS was conducted. Students performed these experiments in groups.



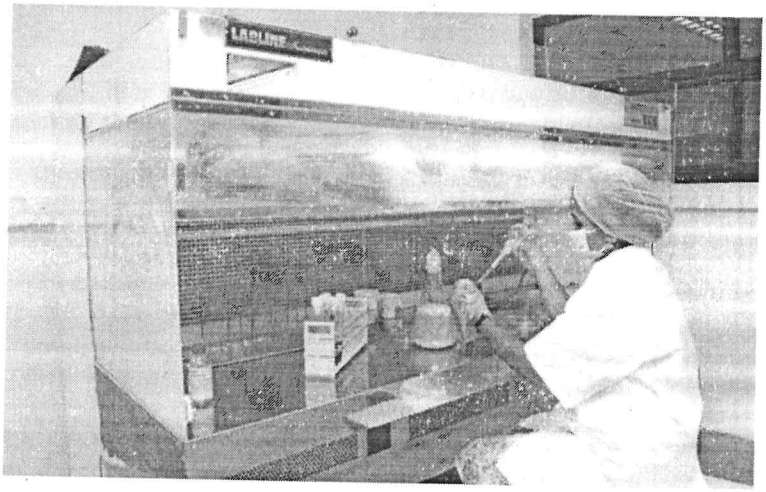
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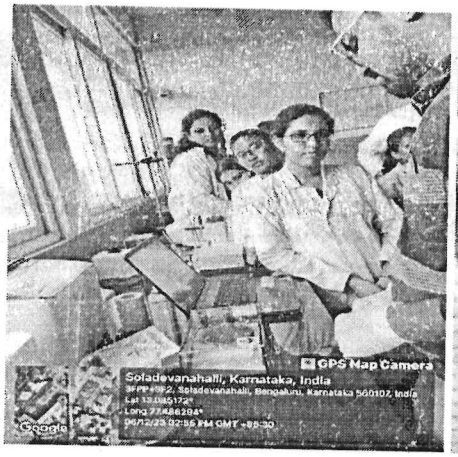
Department of Biotechnology

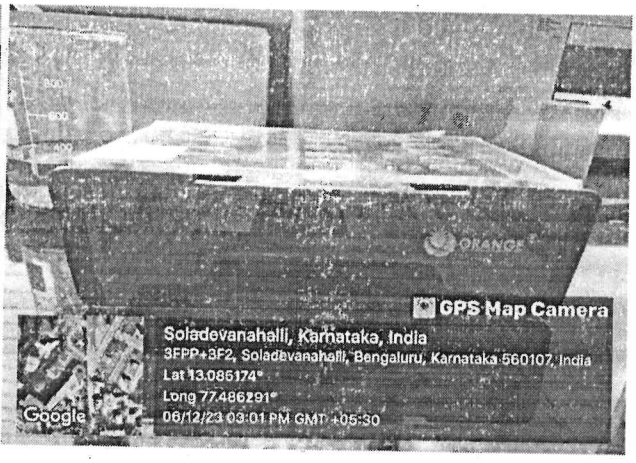
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Demonstration of Sandwich ELISA for antibody detection was shown to the students. Also experiment on minimal inhibitory concentration was performed by students.



On day-3 detection and Southern blot to detect specific DNA molecules was shown to the students.





At the end of the day -3 quiz was conducted.

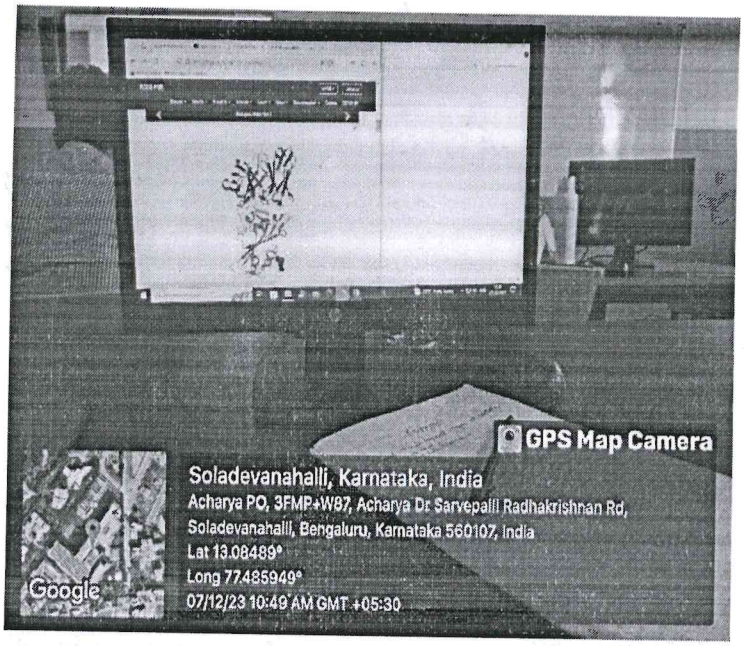
Hands-on training on the Bioinformatics tool was performed on day -4 and day-5, which included sets of experiments such as Biological database, sequence alignment, molecular docking, ADME prediction and homology modelling.

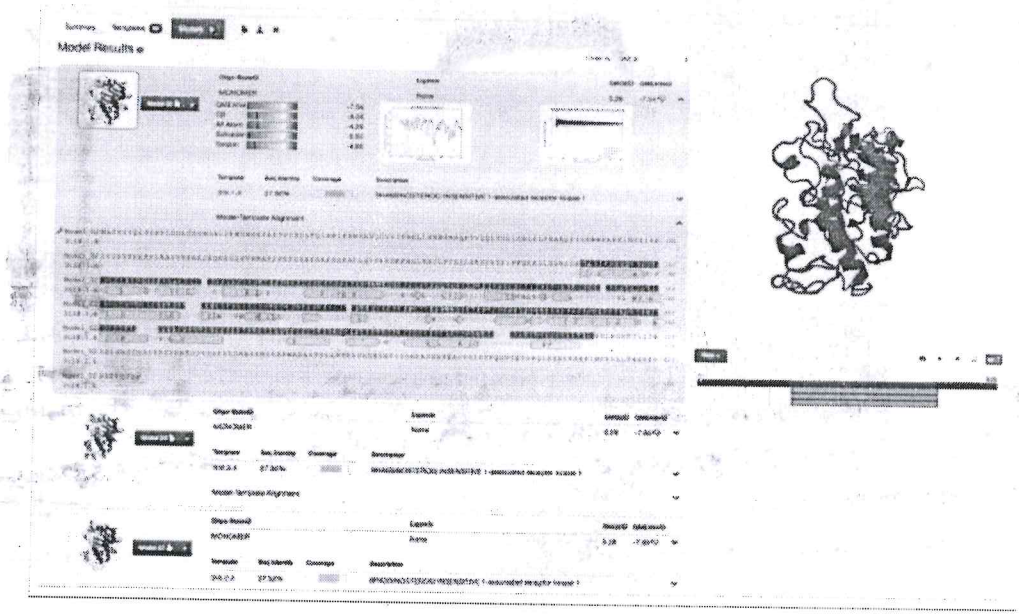
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The outcomes of the five days workshop was aimed at

1. Comprehensive understanding of the principles and practices of biotechnology which will train the students to work in the areas of research and development.

2. Able to use various evaluation techniques for antimicrobial activities; isolate , separate and purify the proteins from different sources, analyzing the DNA samples.

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3. Efficiently retrieve relevant data from biological databases and conduct various analyses using alignment procedures.



On day -5, the valedictory event included the updates on the event by Dr. Shilpa Sivashankar, HOD, Biotechnology.

Followed by address from Mr. Iqbal Ahmed, Deputy Director, Training and Collaboration, Acharya Institutes, Mr. Anooj E S, Managing Director, Xcellogen Biotech India Pvt. Ltd., Trivandrum, Dr. Ismail Shareef M, Professor & Deputy Director, Placements, Acharya Institutes.

Feedback from the students was obtained, overall response of the students was good. Certificates were distributed to the student participants.

MOU was signed with Xcellogen Biotech India Pvt. Ltd., Trivandrum in view of collaborating the facilities for research work, providing internships/training and workshops to students.

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4

2022-23

German Academy of Digital Education

ACHARYA

MEMORANDUM OF UNDERSTANDING

BETWEEN

DADB INDIA PRIVATE LIMITED

AND

ACHARYA INSTITUTE OF TECHNOLOGY, BANGALORE, INDIA

This Memorandum of Understanding is made & executed on 17 day of October 2023, between **DADB India Private Limited,** a private limited company duly incorporated and existing under the Companies Act, 2013, having its registered office at 1206 Lodha Supremus, Senapati Bapat Marg, Lower Parel West, Nr. HDFC Bank House, Mumbai - 400013, Maharashtra, India, which is a distributor of access keys to learning content provided by German Academy of Digital Education GmbH ("DADB Germany") in India through its authorized signatory Dr. Carsten Schröder, Director.

Party of the First Part;

AND

Acharya Institute of Technology, a constituent college under the educational conglomerate Acharya Institutes, affiliated to Visvesvaraya Technological University, Belgaum, recognized by UGC and AICTE and NAAC Accredited, located at Acharya Dr.Sarvepalli Radhkrishnan Road, Soldevanahalli, Bangalore-560090, India through its authorized signatory, Mr.Iqbal Ahmed, Dy. Director-Collaborations, Acharya Institutes, Bangalore, India

Party of the Second Part;

Collectively hereinafter referred to as the "Parties" or may be individually referred to as DADB India (DADB India Private Limited) and AIT (Acharya Institute of Technology).

SCOPE OF THIS AGREEMENT:

- Academic collaboration in terms of DADB supporting the institution in developing curriculum and content for engineering courses of mutual interest.
- Introduction of elective or value-added courses at the institute with international collaboration.
- Execution of DADB's edutainment courses by German Professors and Industry experts at the institution.
- DADB supporting internationalization of the institution based on subscription.

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- DADB providing opportunities for students and faculty members to attend summer/winter school-oriented training at German universities.
- DADB will organize events within the institution as needed, addressing mutual concerns.

The development and implementation of specific activities based on this MoU will be separately discussed and agreed by both parties.

Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the services on the terms specified herein.

SIGNED for and on behalf of the **DADB INDIA PRIVATE LIMITED** by its duly authorised delegate:

Dr. Carsten Schröder

CEO

SIGNED for and on behalf of the **ACHARYA INSTITUTE OF TECHNOLOGY** by its Deputy Director-Collaborations

ACHARYA INSTITUTES * Office of International Affairs & Collaboration * BANGALORE

Mr.Iqbal Ahmed

Dy.Director-Collaborations

WITNESSES

1. Dr.Rajeswari
   Dean Academics,
   Acharya Institute of Technology, Bangalore

2. T V Saranya
   Regional Business Head,
   DADB India Pvt Ltd.

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Approved by AICTE, New Delhi and Accredited by NBA & NAAC

Date - 04/10/2023

Circular

Subject: Invitation to participate in **"Introduction to 5G Technology"**

The main aim of the event "Introduction to 5G Technology," organized by the Department of Electronics and Communication Engineering at Acharya Institute of Technology, is to educate students on the fundamentals and applications of 5G technology by conducting workshops and interactive sessions. The program will cover key aspects of 5G, including its technical architecture, real-world applications, and the challenges of implementation, as well as its potential impact on industries such as healthcare, education, smart cities, and entertainment. Students will also learn about career opportunities in the evolving field of 5G, among other relevant topics.

As per the instructions of Principal AIT, the students of various departments are hereby invited to participate in the workshop. The students are encouraged to participate in the above-mentioned programs by submitting the nomination to hod-ece@acharya.ac.in,

Venue: Central Library, AIT, Bangalore

Time: 10.00 AM - 4.30 PM

Date: 11-10-2023

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Sd/-

HOD, ECE, AIT Bangalore-560107

ACHARYA INSTITUTE OF TECHNOLOGY

Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Bangalore

DEPARTMENT of ELECTRONICS AND COMMUNICATION ENGINEERING

WORKSHOP
ON
INTRODUCTION TO 5G TECHNOLOGY



Event Details:

DATE: 11/10/2023
TIME: 10:00 AM TO 4:30 PM
VENUE: Central Library, AIT

ABOUT THE WORKSHOP:

The main aim of the event "Introduction to 5G Technology," is to equip students with a foundational understanding of 5G technology, its infrastructure, and its transformative potential across various industries.

KEY OBJECTIVES:

- Explore real-world applications of 5G
- Discuss the technical challenges and solutions
- Highlight the future of 5G and beyond
- Introduce career opportunities in the 5G ecosystem

EXPECTED OUTCOMES:

- Enhanced Understanding of 5G
- Awareness of 5G Applications
- Familiarity with 5G's Technical Challenges
- Insight into the Future of Telecommunications

Advisory Committee:

- **Dr. Rajath Hegde MM**
  Principal
  AIT
- **Prof. CK Marigowda**
  Vice Principal
  AIT

Convener:

- **Dr. Rajeshwari**
  Head of the Department
  Department of ECE
  AIT

Coordinators

- **Dr. Sujata BM**
  Assistant Professor
  Department of ECE
  AIT
- **Dr. Jaylakshmi H**
  Assistant Professor
  Department of ECE
  AIT

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Participants list of Workshop

on

"Introduction to 5G Technology".

SL.No	Name of Participant	Department
1	AAYUSH KUMAR	1AY19EC002
2	ABHINAV KUMAR	1AY19EC004
3	ABHISHEK SAURABH	1AY19EC005
4	ABHISHEK SURESH KAPSE	1AY19EC006
5	AKARSH C J	1AY19EC008
6	AKASH MARANUR	1AY19EC009
7	AKMAL KHAN	1AY19EC010
8	ALJI SAI GANESH	1AY19EC011
9	ANAND KUMAR	1AY19EC013
10	ANIKET SINGH	1AY19EC014
11	ANKIT KUMAR	1AY19EC015
12	ANKIT RAJ	1AY19EC016
13	ANKKITHA	1AY19EC017
14	ANU H A	1AY19EC018
15	AQUIB HABIB	1AY19EC019
16	ARCHIT RAJ	1AY19EC020
17	ARJUN SUJITH BOLAR	1AY19EC021
18	ASHMITHA ARUN SHETTY	1AY19EC022
19	ASHMITHA G	1AY19EC023
20	BHANU KIRAN M S	1AY19EC024
21	CHAITRA	1AY19EC025
22	CHANDAN P	1AY19EC026
23	CHANDAN YADAV B S	1AY19EC027
24	CHANDRASHEKAR N	1AY19EC028
25	CHETHAN R	1AY19EC029
26	CHIDANANDA D A	1AY19EC030
27	CHIRAG B	1AY19EC031
28	CHUDAMANI C	1AY19EC032
29	DARSHAN R GOWDA	1AY19EC033
30	DIVYARAJ	1AY19EC034
31	GNAPIKA MALLAVARAM	1AY19EC035
32	GOWTHAM T K	1AY19EC036
33	H B SANJAY	1AY19EC037

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34	HARSHEET SAVADKAR	1AY19EC038
35	HARSHITH H V	1AY19EC039
36	HIMANSHU KUMAR SINHA	1AY19EC040
37	JAYASHREE J	1AY19EC042
38	JEEVIKA R	1AY19EC043
39	KARTHIK GM	1AY19EC044
40	KEERTHI H S	1AY19EC045
41	KUMARI PRIYANKA	1AY19EC046
42	KUSUMA V C	1AY19EC047
43	LAKKAM ARUN KUMAR	1AY19EC048
44	LAXMI A BALIGAR	1AY19EC049
45	LIKHITH B	1AY19EC050
46	BINDUSHREE G	1AY19EC401
47	HALASWAMY M	1AY19EC402
48	JAGADISH M H	1AY19EC403
49	JYOTHI V	1AY19EC404
50	MANOJ E	1AY19EC405
51	MD WASEEM ALAM	1AY19EC406
52	MEGHA A JAGADAL	1AY19EC407
53	NANDINI K L	1AY19EC408
54	SHIVARAJ PARASNAIK NAIKAR	1AY19EC409
55	SHRIDHARA D S	1AY19EC410
56	INDRASHISH THAKUR	1AY15EE024
57	MD NAHIDUL ISLAM	1AY15EE038
58	GOURAV D G	1AY16EE021
59	ROUSHAN KUMAR SINGH	1AY16EE056
60	SANTU DUBEY	1AY16EE064

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate of Participation

This is to certify that Mr./Ms. **AAYUSH KUMAR** has participated and completed one day Workshop on "INTRODUCTION TO 5G TECHNOLOGY" organized by the Department of Electronics and Communication Engineering, Acharya Institute of Technology on 11-10-2023.

Dr. Rajath Hedge M M
Principal,AIT

Prof. Marigowda C K
Vice- Principal, AIT

Dr. Rajeshwari
HOD,ECE,AIT

Devika R Nair
Examiner IRR Office, DPIIT

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Acharya Institute of Technology

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Bangalore-560107, India

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Event Report of

Workshop
on
"Introduction to 5G Technology"

Date: 11-10-2023

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Acharya Institute of Technology

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Bangalore-560107, India

Conduct of the Event:

The Department of Electronics and Communication Engineering (ECE) at Acharya Institute of Technology successfully conducted the workshop titled "Introduction to 5G Technology" on October 11, 2023, at the Central Library, AIT, Bangalore.

About the Workshop:

The main aim of the event "Introduction to 5G Technology," is to equip students with a foundational understanding of 5G technology, its infrastructure, and its transformative potential across various industries. The program seeks to enhance students' knowledge of emerging telecommunications technologies by providing insights into 5G's applications, technical aspects, challenges, and future opportunities. Additionally, the event aims to inspire students to explore career paths in the fields of telecommunications, engineering, and related sectors, empowering them to stay ahead in the evolving technological landscape.

Key Objectives:

- **Educate students on the basics of 5G technology:** Provide a clear understanding of how 5G works, its key components, and how it differs from previous generations of mobile networks (1G to 4G).
- **Explore real-world applications of 5G:** Demonstrate the potential of 5G in various industries such as healthcare, smart cities, education, entertainment, and manufacturing, highlighting its transformative impact.
- **Discuss the technical challenges and solutions:** Introduce students to the infrastructure and technical complexities of 5G, including spectrum management, network slicing, and latency reduction.
- **Highlight the future of 5G and beyond:** Discuss the roadmap of 5G evolution, including advancements like 5G-Advanced and the potential for 6G, and how these technologies will shape future innovations.
- **Introduce career opportunities in the 5G ecosystem:** Provide insights into the career paths available in 5G technology, from network engineering and software development to IoT and AI-related roles, encouraging students to explore these emerging fields.

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- **Encourage critical thinking and innovation:** Engage students in discussions and activities that foster creative thinking on how 5G can be leveraged for new products, services, and entrepreneurial ventures.
- **Address security, privacy, and regulatory aspects:** Educate students about the challenges related to security, privacy, and regulatory concerns associated with the deployment of 5G technology.

Expected Outcomes:

- **Enhanced Understanding of 5G:** Students will gain a solid foundation in 5G technology, including its key features, underlying infrastructure, and differences from earlier mobile network generations.
- **Awareness of 5G Applications:** Participants will have a clear understanding of the real-world applications of 5G across various industries, including healthcare, smart cities, entertainment, and education, and how 5G is set to transform these sectors.
- **Familiarity with 5G's Technical Challenges:** Students will become aware of the technical challenges in implementing 5G networks, such as network slicing, latency reduction, and spectrum management, and will explore potential solutions.
- **Insight into the Future of Telecommunications:** Attendees will leave with knowledge of the future trajectory of telecommunications, including advancements beyond 5G, like 5G-Advanced and 6G, and their potential impacts.

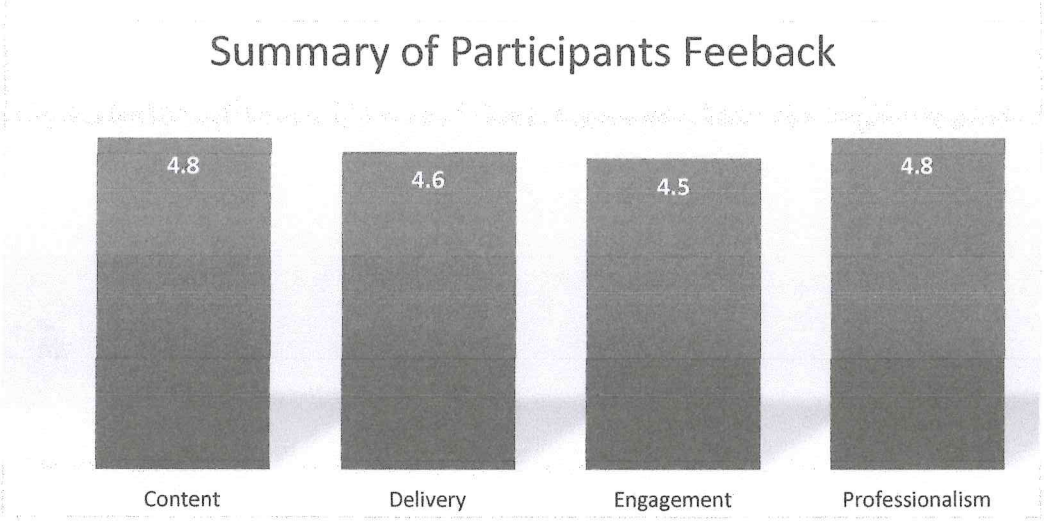
Course Content of the Workshop:

- **Session 1:** Introduction to 5G Technology (45 minutes)
- **Session 2:** Key Components of 5G Infrastructure (45 minutes)
- **Session 3:** Applications of 5G in Various Industries (1 hour)
- **Session 4:** Challenges and Future of 5G (1 hour)
- **Session 5:** Hands-on Activity & Group Discussion (45 minutes)

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Acharya Institute of Technology

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Feedback and Conclusion: Feedback from the participants was overwhelmingly positive, highlighting the depth and breadth of the topics covered. The interactive sessions and practical workshops were particularly valuable. The "Introduction to 5G Technology" program successfully achieved its objectives, equipping participants with a comprehensive understanding of 5G technology, its infrastructure, and real-world applications. The program provided students with the knowledge and insights necessary to explore emerging opportunities in the field of telecommunications. It fostered an interactive and innovative learning environment, encouraging participants to apply 5G concepts creatively in group discussions and activities. The event set the foundation for further exploration of career paths and technological advancements in 5G, paving the way for future developments in the telecom sector.

Signature of Event Co-Ordinator's

Signature of HOD

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Government of Karnataka

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Description	:	MOU
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	ACHARYA INSTITUTE OF TECHNOLOGY
Second Party	:	DKMS BMST FOUNDATION INDIA
Stamp Duty Paid By	:	ACHARYA INSTITUTE OF TECHNOLOGY
Stamp Duty Amount(Rs.)	:	100 (One Hundred only)

For Karnataka State Co-Operative Societies Association (R) Bagalagunte Branch

Please write or type below this line

MEMORANDUM OF UNDERSTANDING (MOU)
Between
Acharya Institute of Technology
represented by

Dr. Rajath Hegde M M, Principal, Acharya Institute of Technology
AND

DKMS BMST Foundation India (DKMS-BMST)
represented by
Mr. Patrick Paul, Chief Executive Officer (CEO), DKMS-BMST

PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

This Memorandum of Understanding (hereinafter referred to as MoU) is made and executed on th January 2023 between Acharya Institute of Technology (hereinafter called as Institution) which expression shall unless it is repugnant to context or meaning thereof mean and include its successors and assigns of the First Part.,

Situated at Acharya Dr Sarvepalli Radhakrishnan Rd, Soladevanahalli, Karnataka 560107, India

and represented by

Dr. Rajath Hegde M M, Principal, Acharya Institute of Technology

AND

DKMS BMST Foundation India, (hereinafter called as DKMS-BMST) which expression shall unless it is repugnant to context or meaning thereof mean and include its successors and assigns of the Other Part.,

Situated at # 723, 2nd Floor, Chinmaya Mission Hospital Road, Indiranagar s Stage, Hoysala Nagar

Bangalore - 560038, India and represented by

Mr. Patrick Paul, Chief Executive Officer (CEO), DKMS-BMST

Whereas DKMS-BMST, formerly known as the BMST Stem Cell Donor Registry Foundation India, is a joint venture of two reputed non-profit organizations: BMST (Bangalore Medical Services Trust) and DKMS (an international NGO and the largest network of stem cell donor centres, worldwide). After more than 2+ years of successful operations as the Stem Cell Registry India initiative of BMST,

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DKMS BMST Foundation India	Acharya Institute of Technology

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supported by DKMS, the project has hived off into a separate NGO, DKMS BMST Foundation India w.e.f 5 April 2019,

DKMS is one of the largest international blood stem cell donor centres with certified HLA-laboratory, providing high-resolution tissue typing services at the lowest possible cost. This joint venture has thus enabled an access to latest technology, know-how and scientific process chain of international standards.

DKMS-BMST is dedicated to the fight against blood cancer and other blood disorders, such as thalassemia and aplastic anaemia. Our aim is to improve the situation of patients suffering from blood cancer and other blood disorders in India and throughout the world, by raising awareness about blood stem cell transplantation and registering potential blood stem cell donors. By doing this, DKMS-BMST provides patients in need of a blood stem cell transplant with a second chance at life.

Whereas Institution is a reputed Educational Institution and is desirous of participating and engaging with DKMS-BMST to enable DKMS-BMST for registering students of the Institution as potential Stem Cell Donors.

Now therefore in consideration of the mutual interest as set forth, both Parties are willing to start a fruitful collaboration between them on the terms as set herein-under.

PURPOSE & SCOPE

To work together in the fight against blood related disorders like Blood Cancer, Thalassemia & Aplastic Anaemia, by means of conducting Awareness Programmes and Stem Cell Donor Registration drives and other related activities and events.

NOW THIS MoU WITNESSETH AS FOLLOWS:

I. INSTITUTION'S RESPONSIBILITIES UNDER THIS MoU

Institution agrees to undertake following activities through its own resources:

1. Make available the infrastructure facilities, an indoor and suitable venue conducive for mass interaction / workshops or virtual donor registration drives for awareness of blood related disorders like Blood Cancer, Thalassemiaand Aplastic Anaemia as well as awareness programs relating to stem cell transplant as a potentially life-saving treatment for these diseases and for conducting donor registration drives, volunteer training sessions, etc.
2. Provide Human Resource/s for coordinating dates for donor registration drives and other logistics including activities supplementary and ancillary for organizing and conducting the awareness programs, volunteer trainings, stem cell donors' registration drives and other such activities and events as may be organized by DKMS-BMST for the above stated purpose.
3. Mobilize and organize NSS (National Service Scheme) and/or NCC (National Cadet Corps) and/or Rotaract Clubs and/or Leo Clubs and/or other student clubs and Volunteers to support

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the Mass Awareness and Voluntary Donor Registration (pledging) activities organized by DKMS-BMST as per the agreed schedule.

4. Take support of DKMS-BMST to communicate internally and publicize about the events, a week or more prior to the scheduled date/s for various events.

II. DKMS-BMST'S RESPONSIBILITIES UNDER THIS MoU

DKMS-BMST agrees to undertake following activities for organizing Awareness and Donor Registration Drives:

1. Introduction of the DKMS-BMST Student Ambassador Programme – to build the capacities of 3 to 4 nominated student ambassadors to facilitate the stem cell awareness and donor registration drives in their college. These Student Ambassadors will be given virtual training/ 1-day workshop and basis their successful efforts at building the awareness and conducting drives, an Appreciation Certificate and Letter of Community Service Experience by DKMS-BMST, which would be of value for higher studies.
2. Awareness programmes every year, as per the agreed calendar with the Student Ambassadors, for all of the Institution's staff, faculty and students about the potential saving treatment through Stem Cell Transplant for blood related disorders like Blood Cancer, Thalassemia & Aplastic Anaemia and the role of registered potential stem cell donors for this.
3. Registration drive for those interested to register as a potential Stem Cell Donor on following broad principles:
   - Only the interested and medically eligible potential donors may thereafter sign-up on the DKMS-BMST as a potential donor.
   - For such purpose, an eligible potential donor shall be an Individual who shall be living in India, possessing good general health and aged between 18-50 years.
   - Those who are already registered with DKMS-BMST or any other Stem Cell Registry shall NOT register again, as it is a one-time registration.
   - To register with DKMS-BMST, eligible donors shall sign a consent form and give a buccal swab sample *(tissue sample taken with a buccal swab from inside the cheek)*.
4. A specialized laboratory analyses of the tissue types (HLA types) relevant for a successful donor-patient matching.
5. Issue certificate of appreciation to the entire student Volunteers who support the Stem Cell Donor Registration Drive at the Institution or at any other place (public event) elsewhere or virtual donor registration
6.

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III. PERIOD OF MoU

The present MoU shall come into effect from 1st January 2023 and will be valid for two year, up to January 2025 and can be automatically renewed for a further term of one year, thereafter, with

mutual consultations and on same terms as mentioned hereunder, unless it is terminated by any party in accordance with article VI.

IV. CONFIDENTIALITY

Both Parties shall not use or cause the use of any Confidential Information for any purpose whatsoever other than those contemplated under this MoU. Both Parties shall use all reasonable endeavours to ensure that all persons to whom Confidential Information may be disclosed in furtherance of the MoU, including but not limited to officials and employees of both the Parties as well as students thereof, keep the same confidential and not use the same except for the purpose for which disclosure is made and with prior written consent from the other Party.

V. RESOLUTION OF DISPUTES

Any dispute arising during the period of the MoU shall be amicably resolved by good faith and trust in an ethical manner between the Parties, without involving any third person, agency or legal practitioner etc.

VI. TERMINATION OF THE MoU

Any Party may terminate this MoU maintaining a termination notice period of one month. The right of termination for cause with immediate effect remains unaffected for each Party.

VII. ADDITIONS/DELETIONS ETC

Any Addition/Deletion/Alteration to the terms and conditions of the MoU would be done jointly by Institution & DKMS-BMST in writing after mutual consultations and such Addition/Deletion/Alteration shall be signed by both Parties.

VIII. INDEPENDENT PARTIES

Institution & DKMS-BMST are independent contractors and shall be responsible for the direction and compensation of their respective employees. No partnership or agency relationship is created by this MoU. This MoU creates only principal to principal relationship to the extent of the provisions of this MoU.

IX. SUCCESSION AND ASSIGNMENT

This MoU shall inure to benefit and bind the Parties hereto and their respective successors and assigns.

X. FORCE MAJEURE

Neither Party shall be liable for delay or failure in performance of any of its obligations under this MoU when such delay or failure arises from events or circumstances beyond the reasonable control of such

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Party including without limitation acts of God, fire, flood, war, sabotage, communications, material changes in applicable laws which are of a general nature within commerce or labour disputes.

XI. GENERAL

Any other services or expert advices which falls outside the purview of the MoU as discussed if required will be agreed based on mutual consultations between the Parties.

This MoU imposes no financial obligations on either of the Parties. All pending issues or anything not covered by this MoU are to be settled mutually by the Parties to the satisfaction of each other.

IN WITNESS WHEREOF, the persons signing below warrant that they are authorized to enter into this MoU on behalf of their respective principles identified below and that by their signatures they bind such principles to this MoU as of the date, month & year mentioned in the presence of the following witnesses.

On behalf of Institution:	On behalf of DKMS-BMST:
Signature: _____ Name: Dr. Rajath Hegde M M Position: Principal Date:	Signature: _____ Name: Patrick Paul Position: Chief Executive Officer (CEO) Date: 05.01.2023
Witness: Signature: _____ Name: MARI GOWDA Position: VICE-PRINCIPAL Date: 6/1/23	Witness: Signature: _____ Name: Soumyaroop Datta Gupta Position: DGM - FR&DP Date: 06/01/2023

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Witness:	Witness:
Signature: _____	Signature: _____
Name: MONICA M	Name: ASHITHA STEFI J
Position: Asst. Prof. MBA, AIT	Position: ASSOCIATE, DONOR RECRUITMENT
Date: 6th Jan 2023	Date: 06th JAN, 2023

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INITIALS OF

DKMS BMST Foundation India	Acharya Institute of Technology

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Approved by AICTE, New Delhi and Accredited by NBA & NAAC

Acharya Institute of Technology
Department of MBA

Department of MBA Organizing a program for students and staff of Acharya Institutes on 11.09.2023 from 10.00AM to 4.30PM.

On

Awareness on Blood Cancer, Blood Stem Cell Transplantation and Donor Registration Drive

In Association with Indian Red Cross Society, NSS, AIT and

DKMS BMST Foundation India

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DKMS BMST
WE DELETE BLOOD CANCER

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Hesaraghatta Main Road, Bengaluru- 560107

Department of MBA Organizing a program
On
Awareness on Blood Cancer, Blood Stem Cell Transplantation and Donor Registration Drive
In Association with NSS, AIT and DKMS BMST Foundation India



Date: 11th Sept 2023 | Time:10.00 AM to 4.30 PM
Target Audience: Students, Teaching and Non-Teaching Staffs
Venue: EC Seminar Hall

ABOUT THE PROGRAM:

Objectives of the Program:

- Community service opportunity
- Volunteer engagement for youth and community outreach
- To create awareness and a database of HLA-typed potential blood stem cell donor

Outcome of the Program:

- Participants will have insights about the blood cancer, stem cell donations and its benefits.

ADVISORY COMMITTEE:
Dr. RAJATH HEGDE M.M.
Principal, AIT
Prof. MARIGOWDA C.K.
Vice-Principal, AIT

CONVENERS:
Dr. JUIN CHOUDHURY
HOD-MBA, AIT
Dr. SANMAN S,
NSS officer, AIT

COORDINATORS:
Ms. MONICA M
Assistant Professor, MBA, AIT

Mr. CHANNAKESHAVA H C
Assistant Professor,
NSS Coordinator, MBA, AIT

Resource Person

Ms. Ashitha Steffi J
Senior Associate,
Donor Recruitment



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About the program

Department of MBA, Acharya Institute of Technology, Bengaluru in association with NSS, Indian Red Cross Society and DKMS BMST Foundation India had organized an Awareness Program on Blood Cancer, Blood Stem Cell Transportation and Donor Registration Drive on 11th September 2023.

Event Objectives:

- **Community Service Opportunity:** The event successfully provided a platform for students to engage in a meaningful service activity by raising awareness about blood cancer and increasing the donor registry.
- **Volunteer Engagement for Youth and Community Outreach:** The event fostered youth participation in volunteering and community service. It also broadened outreach efforts to educate a wider audience about blood cancer and its treatment options.
- **HLA-Typed Donor Database Creation:** The event aimed to create a database of potential blood stem cell donors who have undergone HLA typing, a crucial step in identifying compatible donors for patients.

The Department of MBA, AIT has collaborated with DKMS BMST Foundation India for the next two years to raise awareness about this noble cause and get more potential stem cell donors to register through drives. The awareness program was scheduled along with the one-one drive in the College Premises. The Program initially started with the awareness program conducted by **Ms.Ashitha Steffi J, Senior Associate, Donor Recruitment** to all MBA Students and later the donor registration drive was conducted in the college premises where 200+ Students registered in the donor registration drive.

The Blood Cancer awareness Program and Donor registration drive was organized by Department of MBA, under the leadership of Dr. Juin Choudhury, HOD-MBA and Dr. Nijaguna G, coordinated by Prof. Monica M, Assistant Professor, Prof. Channakeshava, NSS Coordinators and Dr. Sanman, NSS officer. The team of Students volunteers from MBA were identified and trained to drive the students to attend the Program.

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Event outcomes mapping with program outcomes

Event Outcomes:

EO1: Number of Participants: 200 total number of attendees who participated in the event, including both volunteers and registered donors.

EO2: Community Awareness: Awareness program was conducted for 250 Students in two batches between 10.00 AM to 1.30 PM.

EO3: Volunteer Engagement: 15 number of youth and community members who volunteered their time and efforts for the event.

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EO4: HLA-Typed Donor Registrations: This is a key metric. 185 number of individuals registered as potential blood stem cell donors and completed the HLA typing process.

	Program Outcomes				
Event outcome	**PO1: Management Knowledge:** Apply knowledge of management theories and practices to solve business problems	**PO2: Decision making Ability:** Foster analytical and critical thinking abilities for data-based decision making	**PO3: Leadership Skill:** Ability to develop value-based leadership	**PO4: Ethics and Global Communication** : Ability to understand, analyze and communicate global, economic, legal and ethical aspects of business	**PO5: Team Environment:** Ability to lead themselves and others in the achievement of organizational goals contributing effectively to a team environment
EO1					YES
EO2			YES	YES	
EO3	YES		YES		YES
EO4	YES	YES		YES	

Event Feedback & Assessment Report

Summary of the Feedback:

The event successfully attracted a significant number of participants, indicating strong community interest and engagement. Total 185 students registered in the registration drive. The involvement of youth volunteers highlighted the event's appeal and the community's commitment to engaging younger generations in meaningful causes.

Signature of HOD

Signature of Principal

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Highly sensitive and selective detection of nitrite by polyaniline linked tetra amino cobalt (II) phthalocyanine surface functionalized ZnO hybrid electrocatalyst

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ARTICLE INFO

Keywords:
Electrochemical nitrite sensor
Surface functionalization
Electrocatalyst
Phthalocyanine
Conducting polymer
Zinc oxide

ABSTRACT

The highly sensitive nanoscale detection of nitrite is one of the major concerns in recent research due to its serious hazardous effects on the environment. The state-of-the-art fabrication of a cost-effective electrochemical nitrite sensor is one of the impetuses of modern research. A polyaniline-linked tetra amino cobalt phthalocyanine surface functionalized ZnO hybrid nanomaterial (PA-TaCoPc@ZnO) for sensitive electrochemical detection of nitrites is presented. Surface functionalization of ZnO nanoparticles with tetra amino cobalt (II) phthalocyanine (TaCoPc) yields TaCoPc-functionalized ZnO nanoparticles (TaCoPc@ZnO) in the first step, followed by the introduction of polyaniline (PANI) via oxidative polymerization in the presence of aniline to yield PA-TaCoPc@ZnO. The fabrication of the sensor was carried out by modifying the glassy carbon electrode with ZnO, TaCoPc@ZnO, tetra amino-substituted phthalocyanine linked by polyaniline (PA-TaCoPc), and PA-TaCoPc@ZnO to evaluate the electrochemical performance. Sensors of PA-TaCoPc@ZnO exhibited superior electrocatalytic activity, selectivity, sensitivity, and a low limit of detection (nanomolar concentration) toward nitrite ions compared to other systems. The remarkable electrocatalytic performance of PA-TaCoPc@ZnO can be attributed to the synergetic effect of the high surface area of nanosized ZnO with conducting polyaniline and metal-centered supramolecular TaCoPc.

1. Introduction

Nitrite is one of the most important compounds in the ecological system and is formed in the nitrogen cycle as an intermediate [1–3]. This nitrite is extensively utilized as a preservative in food industries, fertilizer industries, and the corrosion inhibition process [4,5]. So, every day, a huge quantity of nitrite is inflowing into the water stream as a pollutant from these industries. According to the US Environmental Protection Agency (US EPA), the maximum level of nitrite in drinking water is 1 mg L^{-1} and the World Health Organization has fixed the maximum limit of 3 mg L^{-1} in drinking water [6]. More than this limit is extremely toxic to human health because of its carcinogenic nature. It has been reported that nitrite ions inside the stomach get easily converted into carcinogenic N-nitrosamines by reacting with secondary and tertiary amines present in the food, leading to gastric cancer [7,8]. Other than that, nitrite can combine with hemoglobin and cause tissue hypoxia, which can further evolve into methemoglobinemia or Blue Baby Disease [9]. The screening of nitrite ions in gunshot cases is a piece of important evidence, as the nitrite ion is one of the inorganic gunshot residue components generated during the discharge of the firearm [10]. The determination of the nitrite in the hands of the shooter on the target is important in order to ascertain the range of firing and to link the suspect to the crime [11].

Therefore, it is of great importance to accurately monitor the concentration of nitrite for public health. Several analytical techniques are developed for the sensitive detection and quantification of nitrite, which

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Academic Year 2021-22

3.5.1. Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during 2021-22

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (nternship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise
1.	MoU	NASSCOM/ IT- IT eS Sector Skills Council	2022	Students training	03 Year	Training & Internship Certificate (01 Month)
2.	MoU	Cadmaxx, Vijayanagar, Kaggadasapura Main Road, Bengaluru, Karnataka 560093 ·	2021	Training on CAD/CAM/CAE	1 Year	Training & Internship-Technical Talk on "The Importance and Application of CAD and CAA Tools in Industry. (08-01-2022)
3.	MoU	EMSPL, Kanaka Complex, BSK First Stage, Bengaluru-560050, Karnataka	2021	Training & Internship	03 Year	Guest Lecture on Robotic Systems by Elements Manufacturing Solutions Private

						Limited (10-10-2021)
4.	MoU	Budi Luhur University, Jl. Ciledug Raya, RT.10/RW.2, Petukangan Utara, Kec. Pesanggrahan, Kota Jakarta Selatan, Daerah Khusus Ibukota Jakarta 12260, Indonesia	2021	Facilitate exchange of knowledge and resources for mutual benefit	03 Year	**Student exchange** program (06-10-2021 - 14-01-2022) **Online cultural** exchange program (30-05-2023, 20-06-2023 and 11-07-2023)
5.	MoU	MERCK Life Science Pvt Ltd, Bommasandra, Bengaluru, Karnartaka	2021	Facilitate exchange of knowledge and resources for mutual benefit	01 Year	05 days Hands on Domain Training on Molecular Biology Techniques (20-12-2021 to 24-12-2021)

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(1) 2021-22.

MEMORANDUM OF UNDERSTANDING

BETWEEN

ACHARYA INSTITUTE OF TECHNOLOGY

AND

NASSCOM/IT-ITeS SECTOR SKILLS COUNCIL NASSCOM

FOR

UNDERTAKING SKILL DEVELOPMENT TRAINING IN EMERGING TECHNOLOGIES

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This Memorandum of Understanding ("MoU") is made on 25th day of July of the year 2022

BETWEEN

Acharya Institute of Technology, having its head office at Soladevanahalli, Hesaraghatta Main Road, Achit Nagar Post, Bengaluru – 560 107, Karnataka, India, represented by Ms. Shalini Reddy, Executive Director, Acharya Institute of Technology, (hereinafter referred to as **"Acharya Institute of Technology"**) which expression shall, unless repugnant to the context or meaning thereof, include its successors, executors and administrators in office, legal representatives and permitted assigns on the **FIRST PART**.

AND

National Association of Software and Service Companies having its head office at the NASSCOM Plots 7-10, Sector 126, Noida, UP – 201303, India (hereinafter called **"NASSCOM/SSC NASSCOM"**), represented by its Executive Director, IT-ITeS Sector Skills Council, which expression shall, where the context so admits, be deemed to include its successors, executors, and administrators of the **SECOND PART**.

***

Whereas IT-ITeS Sector Skills Council an integral part of NASSCOM is the skill standard setting body of the IT-ITeS Industry and is also the education & skill development initiative of NASSCOM; SSC NASSCOM works with its industry members and select academic and skill development institutions to help improve the quality and quantity of the employable workforce available to this industry.

Acharya Institute of Technology and **NASSCOM/SSC NASSCOM** will hence forth be referred to individually as Party and collectively as the Parties.

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THE MoU WITNESSED AND THE PARTIES HERETO AGREE AS FOLLOWS:

I. PREAMBLE / BACKGROUND / OBJECTIVE

Government of India under the aegis of Ministry of Electronics and IT has joined hands with NASSCOM as a team India effort to make India a global hub for skilled talent on emerging technologies. **FutureSkills PRIME** is an aggregator model platform built with an aim to reskill & upskill candidates/individuals in emerging technologies with an objective to create India's Digital Talent Stack that will propel India into a leadership position in the digital world.

FutureSkills PRIME platform is designed as a resource for all learners to not only develop digital fluency in new-age technologies but also build advanced skills by getting certified on industry defined & IT-ITeS Sector Skills Council NASSCOM (SSC NASSCOM) validated skills on both emerging technologies and professional skills.

II. PURPOSE

1. The objective of this MoU is to undertake relevant skills upgradation via training program/s in the emerging technologies for the candidates/ students& faculty/ staff of Acharya Institute of Technology.
   a. To encourage any-time, any-where, continuous self-paced learning for acquiring newer and industry relevant skill sets, build digital fluency on emerging technologies & professional skills through the availability of byte sized micro learning content.
   b. To provide a diagnostic facility that offers aspirants/candidates an analysis of their aptitude and capabilities so that they can be guided on learning pathway options.
   c. To provide a novel framework and an inclusive 'one stop up-skilling/ re-skilling solution' in new and emerging IT technologies that envisages a paradigm shift in the existing value chain through synergistic efforts of all stakeholders.
   d. To motivate and create value at every step through innovative mechanisms such as 'skills passport', 'skills wallet', 'badges' etc. based on the aspirant's effort in their skilling journey.
   e. The Company/University/College etc will also work internally to build their internal talent pool by encouraging employees/students & faculty/staff members to complete more badging and certifications.

   All the above will also work towards making India as a digital talent hub.
2. This engagement aims to implement short-term awareness and skill competency development programs including Foundation and Deep Skilling courses (both free and paid) in the emerging technologies area.
3. This intervention aims to equip the candidates/students & faculty/staff members with specific skills that are important in today's context. The learning intervention will keep them updated with the key trends / challenges faced in today's digital ecosystem.

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III. GENERAL PROVISIONS

1. This MoU will set-up general conditions for co-operation in up-skilling / skill-based training and that the Parties intend to use it as a framework to continue their co-operation.
2. The Parties intend to coordinate and focus their efforts on co-operation within the area of the identified upskilling /skill development intervention(s) across Acharya Institute of Technology.
3. The terms of co-operation / directions will be defined collectively during negotiations. The Parties through mutual effort will try to establish long term and beneficial co-operation.

IV. IMPLEMENTATION OF THE MOU

To ensure the implementation of this MoU, through the identified SPOC/s from Acharya Institute of Technology.

1. The progress of the identified outcomes of cooperation for all the joint upskilling and awareness-oriented Skilling & Upskilling initiatives in the emerging technologies including areas like professional skills. Preparation and implementation of upskilling plans by the Parties concerned w.r.t the candidates/ students and faculty/staff of Acharya Institute of Technology.
2. Coordination and implementation with Acharya Institute of Technology, IT-ITeS Sector Skill Council NASSCOM and all the other key stakeholders for upskilling the targeted beneficiaries in skill-based training program w.r.t emerging technologies and related professional skills.
3. Discussion on other issues pertaining to the implementation of this MoU.
4. Monitoring and evaluation of all on-going initiatives.
5. Branding and awareness of skilling initiatives on emerging technologies.

V. ROLE AND RESPONSIBILITIES OF ACHARYA INSTITUTE OF TECHNOLOGY

1. **Mobilization of beneficiaries** – To take up the responsibility of mobilization of candidates /students & faculty/Staff for enrolment in the skilling and upskilling program. Acharya Institute of Technology shall coordinate with all associates (as applicable) to create a pool of trainees/beneficiaries/candidates for this program.
2. **Onboard** - a minimum of 500 **candidates on to the FutureSkills PRIME platform.** Acharya Institute of Technology will share the data in the predefined agreed format indicated in Annexure-1 and will also instruct candidates/students & faculty/staff to sign-up on FutureSkills PRIME.
3. Share SPOC details for coordination and facilitation.
4. Publish required Circulars/ Notifications advising about the Mission and vision agreed upon.
5. Extend all required support to co-ordinate with various offices/facilities if applicable.
6. Review the analytics reports and drive the common objective of building India's future ready workforce.
7. Responsibility to seek approval from relevant candidates to share their details on platform.

VI. ROLE AND RESPONSIBILITIES OF NASSCOM/SSC NASSCOM

1. Facilitate the candidates/students & faculty /staff to register on NASSCOM's FutureSkills PRIME online platform.
2. Provide access to usage analytics. However, this is subject to the consent received from the candidate/s to share their details.

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3. Offer via FutureSkills PRIME platform the learning content that match industry standards and are periodically updated.
4. Enable diagnostics, badging and assessments to learners.

VIII. MONITORING

1. Monitoring the implementation of the deliverables of this MoU will be the responsibility of Acharya Institute of Technology.
2. Parties will periodically collaborate to monitor the implementation of the MoU as per the agreed to timelines.

IX. CO-BRANDING GUIDELINES

1. Cobranding guidelines are an arrangement between NASSCOM/ SSC NASSCOM and Acharya Institute of Technology. These guidelines shall apply to all uses of FutureSkills PRIME and NASSCOM/ SSC NASSCOM marks as defined herein and are currently effective as Acharya Institute of Technology has agreed to these and up to the terms thereof.

2. By using any FutureSkills PRIME, NASSCOM/ SSC NASSCOM Trademarks, Acharya Institute of Technology acknowledges that NASSCOM/ SSC NASSCOM is the sole owner of the Trademarks and agreeing not to interfere with NASSCOM/ SSC NASSCOM's rights in the Trademarks, including challenging NASSCOM/ SSC NASSCOM's use, registration of, or application to register such Trademarks.
   a. Acharya Institute of Technology agrees that Acharya Institute of Technology will not harm, misuse, or bring into disrepute any NASSCOM/ SSC NASSCOM Trademarks and that the goodwill, if any, derived from your use of any NASSCOM/ SSC NASSCOM Trademarks exclusively inures to the benefit of and belongs to NASSCOM/ SSC NASSCOM.
   b. Acharya Institute of Technology may not use any NASSCOM/ SSC NASSCOM Trademarks in metatags, search fields, hidden text, or any other form that has the purpose or effect of diverting or confusing consumers without NASSCOM/ SSC NASSCOM's prior written permission.
   c. Other product names or trademarks, including those appearing on NASSCOM/ SSC NASSCOM's websites, that are not owned by NASSCOM/ SSC NASSCOM are for identification purposes only and may be the registered or unregistered trademarks of their respective owners.
   d. No license or right is granted to Acharya Institute of Technology by NASSCOM/ SSC NASSCOM by implication, estoppel or otherwise to any such third-party names or trademarks or to the NASSCOM/ SSC NASSCOM Trademarks hereby.

3. **Branding:** Acharya Institute of Technology can co-brand with the NASSCOM/ SSC NASSCOM Trademarks internally/externally after the due approval in written on Logo (positioning, placement, design etc) and messaging from NASSCOM/ SSC NASSCOM.

4. NASSCOM would seek permission from Acharya Institute of Technology before using the Acharya Institute of Technology logo for any PR activity.

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X. MISCELLANEOUS PROVISIONS

1. This MoU as outlined in this document is not intended to be a legally binding document. Rather, it is meant to describe the nature and cooperative intentions of Acharya Institute of Technology and NASSCOM/ SSC NASSCOM to suggest guidelines for cooperation. Nothing, therefore, shall diminish the full autonomy of any Party, nor any constraints be imposed by either upon the other, and nothing in this agreement shall be deemed to create a joint venture, or agency relationship between the Parties.

2. Any other matter not included in the MoU which is necessary for the smooth functioning of the Scheme shall be finalized between Acharya Institute of Technology and NASSCOM/ SSC NASSCOM on mutually agreed terms and conditions.

3. The use of the name, logo and/or official emblem of any of the Parties on any publication, document and/or paper is allowed only, after seeking explicit prior permission in writing of the owner Party concerned.

4. Amendments to this MoU will be only basis mutual consensus and the written consent (duly signed) of all the Parties concerned. Additions, deletions and/or alterations to this MoU may be affected with the written agreement of all the Parties to this MoU concerning the said changes. Documents containing such additions, deletions and/or alterations and signed by both the Parties shall form addenda to this MoU and be deemed to be part of this MoU.

5. The MoU is not intended to create any legal relation of employer-employee or of principal and agent relationship amongst the Parties.

6. This MoU shall remain valid for a period of 3 years from the date of its signing and can be extended on mutual terms and conditions. Through this MoU Acharya Institute of Technology and NASSCOM/SSC NASSCOM affirm their commitment to fulfil and achieve the objectives mutually agreed upon in its MoU.

7. Termination - This MoU can be terminated by either one of the Parties after serving 1(one) month notice to other Party in writing if there is failure/ breach of understanding or default by any one of the Parties concerned.

8. This is a non-commercial MoU between both the Parties; however, any individual student subscribing for individual courses/programs at cost as declared eligible for subsidy will be addressed only by the concerned individual/subscriber. Acharya Institute of Technology will have no implication or responsibility on payments/subsidy thereof w.r.t registered candidates/beneficiaries i.e., Subscribers.

9. Confidentiality
   a. Subject to Clause b below, Parties agree that they will keep all information in pursuant to this MoU confidential and shall not disclose to any third person any confidential information with respect to the MoU and program hereunder
   b. Exceptions: Any Party may disclose Confidential Information:
      - to the extent to which it is required to be disclosed pursuant to applicable law;

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- to the extent to which it is specifically permitted by other Party in writing;
- to the extent that the confidential information is publicly available (other than as the result of a breach by such Party of its confidentiality obligation under Clause 9 above);
- 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'.

Through this MoU Acharya Institute of Technology and NASSCOM/SSC NASSCOM affirm their commitment to fulfil and achieve the objectives mutually agreed upon.

Signed this MoU on this 25th day of July of the year 2022.

For and on behalf of Acharya Institute of Technology	For and on behalf of NASSCOM
Address: Soladevanahalli, Hesaraghatta Main Road, Achit Nagar Post, Bengaluru – 560 107, Karnataka	Address: Plots 7-10, Sector 126, Noida, UP – 201303
Signature	Signature Dr Sandhya Chintala (Jul 25, 2022 07:08 GMT+5.5)
Ms. Shalini Reddy Executive Director Acharya Institute of Technology,	Dr Sandhya Chintala Executive Director IT- ITeS Sector Skills Council
STAMP ACHARYA INSTITUTES Office of International Affairs & Collaboration BANGALORE	STAMP NATIONAL ASSOCIATION OF SOFTWARE & SERVICE COMPANIES NOIDA

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Annexure-1

A. Format for University/College

Ministry of Electronics and Information Technology Government of India | NASSCOM | futureskills prime

Student Details for College/ University

Fields marked are Mandatory

(A) Kindly refer tab <Important Notes> before filling

S No	Roll Number	First Name	Last Name	Email ID (preferred with college domain, if available)	Department/ Stream	College	University (where applicable)	User Type (Student / Teacher / Staff)
Sample Response below								
1	WE252987	Akanksha	Kumar	akas2019@college.com	Computer Science	Acme	XYZ	Student

B. Format for a Company

S No	Employee Number	First Name	Last Name	Email ID (preferred with company domain, if available)	Department	Organisation	Parent Organisation (where applicable)	User Type (Permanent / Contract)

**the fields marked in red are mandatory and non-negotiable*

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MOU FSP Onboarding- Acharya Institute of Tech

Final Audit Report 2022-07-25

Created:	2022-07-24
By:	Geetika Ahlawat (ssc_compliance@nasscom.in)
Status:	Signed
Transaction ID:	CBJCHBCAABAAZf5sESFiwQN6_yu5Rs_9McBfsh56hGy_

"MOU FSP Onboarding- Acharya Institute of Tech" History

Document created by Geetika Ahlawat (ssc_compliance@nasscom.in)
2022-07-24 - 7:29:55 PM GMT

Document emailed to sandhya@nasscom.in for signature
2022-07-24 - 7:30:49 PM GMT

Email viewed by sandhya@nasscom.in
2022-07-25 - 1:37:27 AM GMT

Signer sandhya@nasscom.in entered name at signing as Dr Sandhya Chintala
2022-07-25 - 1:38:07 AM GMT

Document e-signed by Dr Sandhya Chintala (sandhya@nasscom.in)
Signature Date: 2022-07-25 - 1:38:09 AM GMT - Time Source: server

Document emailed to collaborations@acharya.ac.in for signature
2022-07-25 - 1:38:10 AM GMT

Email viewed by collaborations@acharya.ac.in
2022-07-25 - 5:33:33 AM GMT

Signer collaborations@acharya.ac.in entered name at signing as Office of Collaborations
2022-07-25 - 7:52:00 AM GMT

Document e-signed by Office of Collaborations (collaborations@acharya.ac.in)
Signature Date: 2022-07-25 - 7:52:01 AM GMT - Time Source: server

Agreement completed.
2022-07-25 - 7:52:01 AM GMT

Adobe Acrobat Sign

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Acharya Institutes email

Devasis Pradhan <devasispradhan@acharya.ac.in>

Fwd: Registration for Internship 1-scheduled from 10th Oct-31st Oct 2022

2 messages

hod ece <hod-ece@acharya.ac.in> Fri, Oct 7, 2022 at 4:23 PM
To: "Dr. Sujatha B M" <sujathabm@acharya.ac.in>, Pranita N Palsapure <pranitanirajpalsapure@acharya.ac.in>, "Mr. Devasis Pradhan (ECE)" <devasispradhan@acharya.ac.in>, "Dr. GANESH RAO" <drganeshrao@acharya.ac.in>, "Dr. Rajeswari" <rajeswari@acharya.ac.in>, "Mr. Raghunath B H" <raghunath@acharya.ac.in>, "Mr. Mohan N" <mohan@acharya.ac.in>, "Mr. Krupaprasad K R" <krupaprasadkr@acharya.ac.in>, "Ms.SUMA C" <suma2352@acharya.ac.in>, "Mr. Sandeep Kumar K" <sandeepkumark@acharya.ac.in>, "Mr. Nataraju A B" <natarajuab@acharya.ac.in>, "Ms. Nagapushpa K P" <nagapushpa@acharya.ac.in>, "Mrs. Deepthi V" <deepthiv_2231@acharya.ac.in>, "Mr. Sumalatha S" <sumalathas@acharya.ac.in>, "Mrs. Veena Sanath Kumar" <veenasanathkumar@acharya.ac.in>, "Dr. Asha C N" <ashacn@acharya.ac.in>, "Mrs. Jayalaxmi H" <jayalaxmi@acharya.ac.in>

Sir/Madam,

First year proctors to mentor your proctees regarding the registration.

With Regards,

Head of the Department
Department of Electronics and Communication Engineering
Acharya Institute of Technology, Acharya Dr.Sarvepalli Radhakrishnan Road
Soldevanahalli, Bangalore-560107
INDIA Ph:080 2372 2222, Extn. 2160
Fax: 080 2370 0242

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---------- Forwarded message ---------
From: **dean academics** <dean_academics@acharya.ac.in>
Date: Fri, Oct 7, 2022 at 4:04 PM
Subject: Registration for Internship 1-scheduled from 10th Oct-31st Oct 2022
To: <sachins.2021.becs@acharya.ac.in>, <savitris.21.becs@acharya.ac.in>, <srushtib.21.becs@acharya.ac.in>, <srushtis.21.becs@acharya.ac.in>, <suprithar.21.becs@acharya.ac.in>, <waseeham.21.becs@acharya.ac.in>, <vaishnavis.21.becs@acharya.ac.in>, <manishv.21.becs@acharya.ac.in>, <vijaykumara.21.becs@acharya.ac.in>, <yashikar.21.becs@acharya.ac.in>, <vansha.21.becs@acharya.ac.in>, <aneesh.r.21.becs@acharya.ac.in>, <vibhar.21.becs@acharya.ac.in>, <vikasb.21.becs@acharya.ac.in>, <vinaya.21.becs@acharya.ac.in>, <vineetp.21.becs@acharya.ac.in>, <vinithb.21.becs@acharya.ac.in>, <visruthr.21.becs@acharya.ac.in>, <yashwanthv.21.becs@acharya.ac.in>, <yogeshk.21.becs@acharya.ac.in>, <yuvraajr.21.becs@acharya.ac.in>, <tahshimh.21.beis@acharya.ac.in>, <varund.21.beis@acharya.ac.in>, <vinayp.21.beis@acharya.ac.in>, <vishalr.21.beis@acharya.ac.in>, <yashc.21.beis@acharya.ac.in>, <yashwanthr.21.beis@acharya.ac.in>, <gaganad.21.beai@acharya.ac.in>, <vibhavan.21.beai@acharya.ac.in>, <vivekv.21.beai@acharya.ac.in>, <suprithg.21.beai@acharya.ac.in>, <kavanac.21.beai@acharya.ac.in>, <ponnappag.21.beai@acharya.ac.in>, <darshanm.21.beai@acharya.ac.in>, <gunam.21.beai@acharya.ac.in>, <kaushall.21.beai@acharya.ac.in>, <medarametlam.21.beai@acharya.ac.in>, <naveenl.21.beai@acharya.ac.in>, <nivedv.21.beai@acharya.ac.in>, <prathamp.21.beai@acharya.ac.in>, <rinkurathore.21.beai@acharya.ac.in>, <shrin.21.beai@acharya.ac.in>, <sreejithr.21.beai@acharya.ac.in>, <lalithab.21.becs@acharya.ac.in>, <gagans.21.becs@acharya.ac.in>, <hanjim.21.becs@acharya.ac.in>, <harshv.21.becs@acharya.ac.in>, <harshupretiv.21.becs@acharya.ac.in>, <havaldarh.21.becs@acharya.ac.in>, <hemavathip.21.becs@acharya.ac.in>, <huzaifa.21.becs@acharya.ac.in>, <ishal.21.becs@acharya.ac.in>, <izhanm.21.becs@acharya.ac.in>, <jocelynt.21.becs@acharya.ac.in>, <kk.21.becs@acharya.ac.in>, <kaartikeyak.21.becs@acharya.ac.in>, <karanr.21.becs@acharya.ac.in>, <kashishn.21.becs@acharya.ac.in>, <keerthanah.21.becs@acharya.ac.in>, <kodidelak.21.becs@acharya.ac.in>,

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Cc: <maheshss@acharya.ac.in>, Satish K <satishk@acharya.ac.in>, <sandeepkumark@acharya.ac.in>, principalait@acharya.ac.in <principalait@acharya.ac.in>, <acmait@acharya.ac.in>, hod ece <hod-ece@acharya.ac.in>, hod civil <hod-civil@acharya.ac.in>, hod cse <hod-cse@acharya.ac.in>, hod ae <hod-ae@acharya.ac.in>, hod-bt <hod-bt@acharya.ac.in>, hod eee <hod-eee@acharya.ac.in>, ISE HOD <hod-ise@acharya.ac.in>, hod mech <hod-mech@acharya.ac.in>, HOD MT <hod-mt@acharya.ac.in>, hod au <hod-au@acharya.ac.in>, hod maths <hod-maths@acharya.ac.in>, hod chemistry <hod-chemistry@acharya.ac.in>, hod physics <hod-physics@acharya.ac.in>, AIT IQAC <ait-iqac@acharya.ac.in>

Dear Students,

Please find the google form link for Internship 1 registration. **The registration is open till tomorrow 2pm.** Read the Instructions before the registration.

click here to register

or use link https://forms.gle/E9guvUHwtyStsLmG6

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Instructions for registration:

1. Registration with acharya email id only.
2. You can opt for either an online certification with NASSCOM/ Infosys SpringBoard.

3. UDEMY course in programming language or technical relevant to your branch. This is only for International students as SINo 2 option is permitted only in India.
4. You need to register and complete one certification if it is more than 30hrs or two courses if the duration is less than 30hrs.
5. You are allowed with - **an online certification and or internship either at dept level or institutional level.**
6. The infosys springboard course and certification is free.
7. The Nasscom course is free, assessment is payable(Rs. 600).
8. Read the details before submission. Any queries reachout your proctor or department. If not able to get clarification reachout to **Dr. Rajeswari(9449827287)/Mr. Sandeep Kumar(9986972006).**
9. **All the courses offered by dept and institution are free. Flight Simulation -Level 2 only is payable(Rs. 489) offered by Tantalizers.**
10. All courses are valid only upon the successful completion of assessment and submission of the reports.

Note: 1. Students failing to register or unable to complete the internship have to repeat the internship in the next academic session as a supplementary course of 1 credit.
2. Allocation of Institutional level internship is based on first cum first serve and will be shared to you by 9th Oct 2022

Enclosures: 1. NASSCOMM course details
2. How to register to NASSCOM course and Infosys SpringBoard

Best Regards
Head Academics,Acharya Institute of Technology

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3 attachments

NASSCOM Future Skills- Login (1).pdf
3537K

Infosys Springboard.pdf
1427K

NASSCOM COURSE.pdf
77K

---

dean academics <dean_academics@acharya.ac.in> Wed, Sep 4, 2024 at 1:17 PM
To: Devasis <devasispradhan@acharya.ac.in>

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(1) 2021-22

futureskills prime

A MeitY - NASSCOM Digital Skilling Initiative

Adobe

Certificate

This is to certify that

ABHISHEK SHANKARAGOUDA PATIL AIT21BEMT033

participated in

Adobe UX Foundation Learning Journey *aligned to SSC NASSCOM UX Design Foundation curriculum.*

Certificate ID: FSP/2022/11/379094

25/11/2022

Date of issue:

Kirti Seth

CEO, IT-ITeS SSC NASSCOM

Garima Babbar

Head – Education Initiatives, Adobe

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SOLDEVANAHALLI, BENGALURU - 560 107

(1) - 2021-22

CERTIFICATE

futureskills prime

Adobe

Certificate

This is to certify that

Gagan Deep AIT21BEMT010

participated in

Adobe UX Foundation Learning Journey *aligned to SSC NASSCOM UX Design Foundation curriculum.*

Certificate ID. FSP/2022/11/5098490

02/11/2022

Date of issue:

Kirti Seth
CEO, IT-ITeS SSC NASSCOM

Garima Babbar
Head - Education Initiatives, Adobe

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SOLDEVANAHALLI, BENGALURU - 560 107

(1) 2021-22

Cybersecurity Essentials

For completing the Cisco Networking Academy® Cybersecurity Essentials course, and demonstrating the following abilities:

- Describe the tactics, techniques and procedures used by cyber criminals.
- Describe the principles of confidentiality, integrity, and availability as they relate to data states and cybersecurity countermeasures.
- Describe technologies, products and procedures used to protect confidentiality, ensure integrity and provide high availability.
- Explain how cybersecurity professionals use technologies, processes and procedures to defend all components of the network.
- Explain the purpose of laws related to cybersecurity.

Shashank Shivanand Hegde

Student

NASSCOM FutureSkills

Academy Name

India

Location

31 Oct 2022

Date

Laura Quintana
VP & General Manager, Cisco Networking Academy

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6

2021-22

ACHARYA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi and Accredited by NBA and NAAC)

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

DEPARTMENT OF AUTOMOBILE ENGINEERING
ACHARYA INSTITUTE OF TECHNOLOGY
Hesarghatta Road Soladevanahalli, Karnataka - 560107
&
CADMAXX S OLUTIONS EDUCATION TRUST
#2095, 2nd floor, 9th Cross, 5th Main Rd, RPC
Layout, Vijayanagar, Bengaluru, Karnataka - 560040

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the 8th day of October 2021 by and between **DEPARTMENT OF AUTOMOBILE ENGINEERING, ACHARYA INSTITUTE OF TECHNOLOGY,** (hereafter referred as "AIT") the First Party represented herein by HOD, Department of Automobile Engineering, ACHARYA INSTITUTE OF TECHNOLOGY, Bengaluru and **CADMAXX SOLUTIONS EDUCATION TRUST,** Bengaluru the second party, represented here in by General Manager Training and skill development.

WHEREAS:

1. First Party is a Higher Educational Institution named: **ACHARYA INSTITUTE OF TECHNOLOGY,** Bengaluru.
2. First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
3. The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training.
4. **CADMAXX SOLUTIONS EDUCATION TRUST,** Bengaluru- the Second Party is engaged in
   a) Guest Lectures
   b) Competitions
   c) Technical talks
   d) Product & Industry awareness program
   e) Workshops
   f) Coordinator for knowledge enhancement program
   g) Internships
   h) Other activities as mutually agreed like Training, FDP.

Now therefore, in consideration of the mutual promises set forth in this MOU, the parties hereto agree as follows:

CLAUSE 1 CO-OPERATION

1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.

1.1 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.

1.2 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevantagreement.

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CLAUSE 2 SCOPE OF THE MoU

2.1 Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. This will provide confidence & smooth transition for students work. Also the Second party may register on the AICTE Internship Portal for the benefit of students.

2.2 Guest Lectures: Second Party to extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.

2.3 There is no financial commitment on the part of the ACHARYA INSTITUTE OF TECHNOLOGY the first party to take up any program mention in MoU. If there is any financial consideration, it will be dealt separately.

2.4 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

CLAUSE 3 VALIDITY

3.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period, the Second Part.

CLAUSE 4 RELATIONSHIP BETWEEN THE PARTIES

4.1 It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

08/10/21

Principal
ACHARYA INSTITUTE OF TECHNOLOGY
Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli,
Bengaluru-560107, Karnataka.

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ACHARYA INSTITUTE OF TECHNOLOGY
SOLADEVANAHALLI, BENGALURU-560107

General Manager
Training and skill development
CADMAXX SOLUTIONS EDUCATION TRUST
Bengaluru-560040, Karnataka.

CADMAXX SOLUTIONS EDUCATION TRUST ★ Bangalore

Dr. Prashanth K P
HOD - Head of the Department
Automobile Engineering
Acharya Institute of Technology, Bangaluru.

Witness 1:

8/10/2021

Mr. Prajwal Sandyal
Assistant Professor, Department of Automobile Engineering
Acharya Institute of Technology, Bengaluru.

Witness 2:

8/10/21

Mr. Mahendra S. B
Businesses development executive
Cadmaxx Solutions Education Trust, Bengaluru.

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Date: 04-01-2022

DEPARTMENT OF AUTOMOBILE ENGINEERING

CIRCULAR

Dear Students,

We are pleased to invite you to an Technical talk on "**The Importance and Application of CAD and CAA Tools in Industry**", organized by Department of Automobile Engineering. This event aims to highlight the role that CAD and CAA tools play in modern industry. Their ability to enhance design precision, reduce costs, and improve collaboration makes them indispensable in today's competitive market

Date: 08-01-2022

Time: 10.00 AM – 11.00 AM

Venue: Mechanical Seminar Hall

Head of the Department AU

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REPORT ON TECHNICAL TALK

DATE: 08-01-2022

Title: The Importance and Application of CAD and CAA Tools in Industry.

Mr. Govardhana M CEO CADMAXX, an experienced specialist in computer-aided design (CAD) and computer-aided analysis (CAA), gave the technical session titled "The Importance and Application of CAD and CAA Tools in Industry". The presentation gave a thorough overview of the ways in which these tools are boosting design correctness, cutting production costs, and raising overall product quality, thereby revolutionising a number of industries.

Mr. Govardhana M began the talk by defining CAD and CAA, highlighting their significance in the modern industrial landscape.

Computer-Aided Design (CAD): CAD involves the use of computer systems to assist in the creation, modification, analysis, or optimization of a design. It is widely used in industries like automotive, aerospace, civil engineering, and manufacturing. CAD software allows designers and engineers to create precise 2D and 3D models, which can be easily modified and shared.

Computer-Aided Analysis (CAA): CAA refers to the use of computer software to analyze the behavior of a product under various conditions. This includes simulations for stress, thermal, fluid dynamics, and other physical properties. CAA tools help in predicting the performance and reliability of products before they are physically manufactured.

The speaker also touched on the challenges faced in the adoption of CAD and CAA tools, such as the steep learning curve, high initial costs, and the need for ongoing training. However, he noted that advancements in technology, such as cloud-based CAD/CAA solutions, are making these tools more accessible and powerful.

In conclusion, Mr. Govardhana M highlighted the critical role that CAD and CAA tools play in modern industry. Their ability to enhance design precision, reduce costs, and improve collaboration makes them indispensable in today's competitive market. He encouraged industries to invest in these technologies to stay ahead of the curve and meet the evolving demands of their customers.

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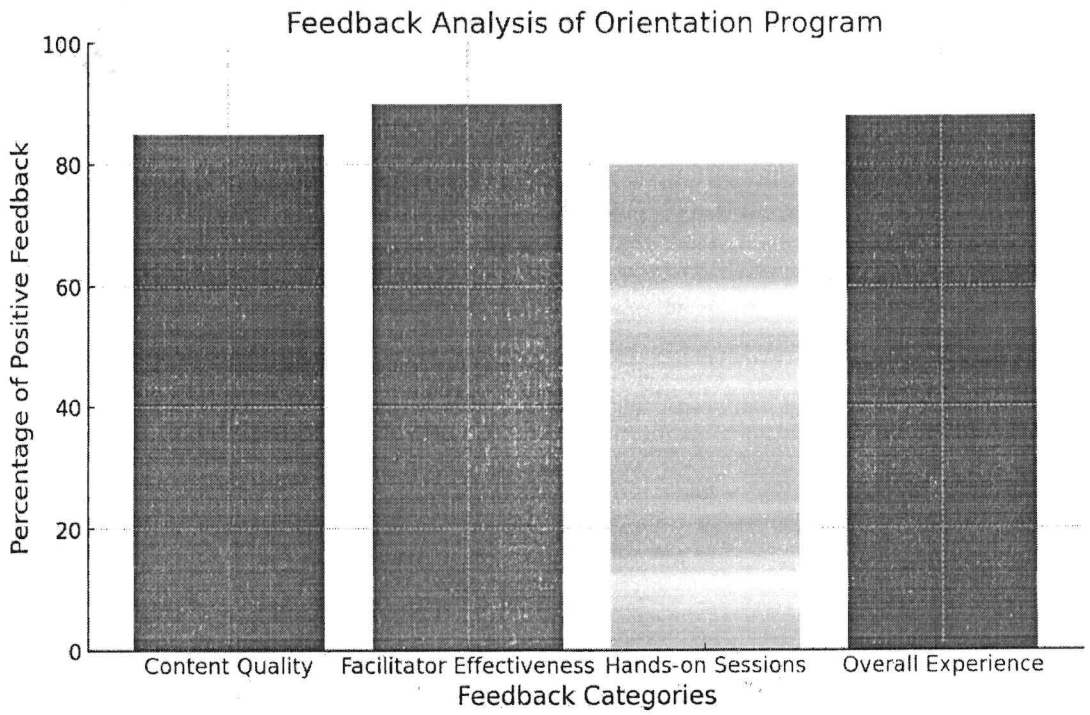
The talk was followed by a Q&A session, where the audience engaged with the speaker on various technical aspects and real-world applications of CAD and CAA tools.

Objectives:

1. To educate participants on the basic ideas and features of CAD and CAA software, emphasising its value in raising design precision, cutting manufacturing costs, and raising overall product quality across a range of sectors.
2. To use case studies and real-world examples to illustrate the useful applications of CAD and CAA technologies in a variety of industries, including as manufacturing, automotive, aerospace, and construction. To Foster Knowledge Sharing and Engagement Among Industry Professionals.

Outcomes:

Participants will gain a comprehensive understanding of how CAD and CAA tools can be effectively utilized to improve design processes, enhance collaboration, and achieve cost efficiencies across various industries.



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List of Participants

Sl.no.	Student name
1	Aravind Krishnan
2	Meenakshi Ramesh
3	Praveen Kumar
4	Lakshmi Narayanan
5	Srinidhi Ramachandran
6	Kavya Venkatesh
7	Gokul Raj
8	Harini Subramaniam
9	Nithin Chandrasekar
10	Divya Kannan
11	Varun Prasad
12	Aishwarya Iyer
13	Karthik Raju
14	Swetha Shankar
15	Vigneshwaran S.
16	Ananya Ravi
17	Mohan Raj
18	Keerthana Reddy
19	Rajesh Mani
20	Sandhya Ram
21	Akash Babu
22	Ramya Krishna
23	Deepak Reddy
24	Janani Natarajan
25	Ramesh Baskar
26	Nandhini Selvam

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27	Arun Kumar
28	Soumya Mohan
29	Senthil Vel
30	Shreya Karthik



Photo during lecture

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2021-22

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MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is entered into on **18th day of September 2021** (the "Effective Date," which shall be the date on which this MOU is fully executed (hereinafter referred to as Effective date), by and between the **Department of Automobile Engineering, Acharya Institutes of Technology** (hereafter referred to as **"AIT"**), located in **Bangalore, India**, represented by its **Principal** and **Elements Manufacturing Solutions Private Limited** (hereinafter referred to as **EMSPL**), located at #119, 1st floor, No 15, Kanaka Complex, 80 Feet Road Srinagar Road, BSK First Stage, Bengaluru – 560 050.

AIT and **EMSPL** agree to explore the possibility of developing the highest quality programs to advance the needs to **AIT** and **EMSPL**. The **AIT** and **EMSPL** are hereafter collectively referred to as the **"Parties".** It is hereby specifically agreed to between both the parties, that this is a broad-based general agreement. Later both the parties would sit down and bring out another agreement/MOU which would deal with specific areas of mutual cooperation as also the commercials pertaining to the same.

Purpose

The purpose of this Agreement is to promote collaboration in engineering education and problem-solving activities between the **Department of Mechanical Engineering, Acharya Institute of Technology, Bengaluru** and the **Elements Manufacturing Solutions Private Limited, #119, 1st floor, No 15, Kanaka Complex, 80 Feet Road Srinagar Road, BSK First Stage, Bengaluru – 560 050.**

Types of Cooperation

Through this memorandum, both parties affirm the value of collaboration and agree to promote the following activities:

1. Internship & Placements.
2. Industrial Visit;
3. Guest Lectures;
4. Quiz competitions;
5. Product & Industry awareness program;
6. Conducting Workshops;
7. Coordinator for knowledge enhancement program;
8. Other activities as mutually agreed like Training, FDP;

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This Agreement places no financial obligations or supplementary funding commitments on either Party. These activities will be defined through separate program agreements that detail the commitment of resources (financial or otherwise) required by each Party. Subsequent program agreements must be approved in writing by the authorized representatives of each Party.

For Elements Manufacturing Solutions Pvt. Ltd.

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Terms

This Agreement will become effective upon the date of signature by both Parties. It shall remain valid **for a period of three (3) years** from the date of the last signature, with the understanding that it may be modified by written mutual consent of both Parties. This Agreement may be terminated by either Party with advance written notice of at least thirty (30) days.

Upon notice of termination both **Acharya Institute of Technology, Soladevanahalli, Bengaluru** and **Elements Manufacturing Solutions Private Limited** agree to work in good faith to enable visiting scholars to complete their respective programs unhindered by the termination. The agreement may be extended by mutual consent of the two Parties after the period, and it must be renewed in writing.

Both the parties will maintain confidentiality regarding know how's and technology and other sensitive details related to each other's operations. In witness whereof of the two parties have signed this memorandum of understanding by the hand of, on behalf of **AIT** and by the hand of behalf of **EMSPL** on **18th September 2021,** referred to above.

For Elements Manufacturing Solutions Pvt. Ltd.

Elements Manufacturing Solutions Private Limited,
#119, 1st floor, No 15, Kanaka Complex, 80 Feet Road
Srinagar Road, BSK First Stage, Bengaluru – 560 050.

18/09/21

Principal
Acharya Institute of Technology
Bengaluru.

ACHARYA INSTITUTE OF TECHNOLOGY
SOLADEVANAHALLI, BENGALURU - 560107

Witnessed by: -

Mr. Iqbal Ahmed
Dy. Director-Training & International Collaborations, Acharya Institutes.

18/09/2021

Dr. Prashanth K P
Head of the Department
Automobile Engineering
Acharya Institute of Technology
Bangalore - 560 107

18/09/2021

Mr. Dhananjaya Kumar
Operations Manager
Elements Manufacturing Solutions Pvt Ltd..

18/09/2021

Mr. Athith D
Asst. Professor
Automobile Engineering
B.E, M.Tech (Ph.D)
Asst. Professor
Dept of Automobile Engineering
Acharya Institute of Technology
Bengaluru-107, Mob:- 9449329093

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Date: 04-10-2021

CIRCULAR

Dear Students,

We are pleased to invite you to a Guest Lecture on Robotic Systems by Elements Manufacturing Solutions Private Limited, organized by Department of Mechanical Engineering. As per the direction of Principal AIT instructions, the students of second- and third-year ME engineering course are hereby invited to participate in the program.

Date: 10-10-2021

Time: 10.00 AM – 11.00 AM

Venue: Mechanical Seminar Hall

Head of the Department ME

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REPORT ON GUEST LECTURE

Report on Guest Lecture on Robotic Systems by Elements Manufacturing Solutions Private Limited

1. Introduction

A guest lecture on "Robotic Systems" was organized by the Department of Mechanical Engineering in collaboration with Elements Manufacturing Solutions Private Limited. The lecture aimed to provide students with insights into the advancements and applications of robotic systems in the manufacturing sector. The session was conducted by industry experts from Elements Manufacturing Solutions Private Limited, who shared their knowledge and experience with our students and faculty members.

2. Guest Lecture Overview

Date: 10/10/2021

Venue: Seminar Hall, Engineering College

Organized By: Department of Mechanical Engineering in association with Elements Manufacturing Solutions Private Limited

Participants: 30 students (3rd and 4th year Mechanical Engineering) .

3. Objectives of the Guest Lecture

To introduce students to the latest developments in robotic systems used in manufacturing.

To provide insights into the integration of robotics in automated production lines.

To discuss the practical challenges and solutions in implementing robotic technologies.

To enhance the understanding of students regarding career opportunities in robotics and automation.

4. Lecture Highlights

Introduction to Robotic Systems: The session began with an overview of robotic systems, including different types of robots, their classifications, and their applications in various industries.

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Advancements in Robotics: The speaker highlighted recent advancements in robotics technology, such as collaborative robots (cobots), autonomous mobile robots (AMRs), and Artificial Intelligence (AI)-driven robots.

Integration of Robotics in Manufacturing: An in-depth discussion on how robotic systems are integrated into manufacturing processes for tasks like assembly, welding, painting, and quality inspection.

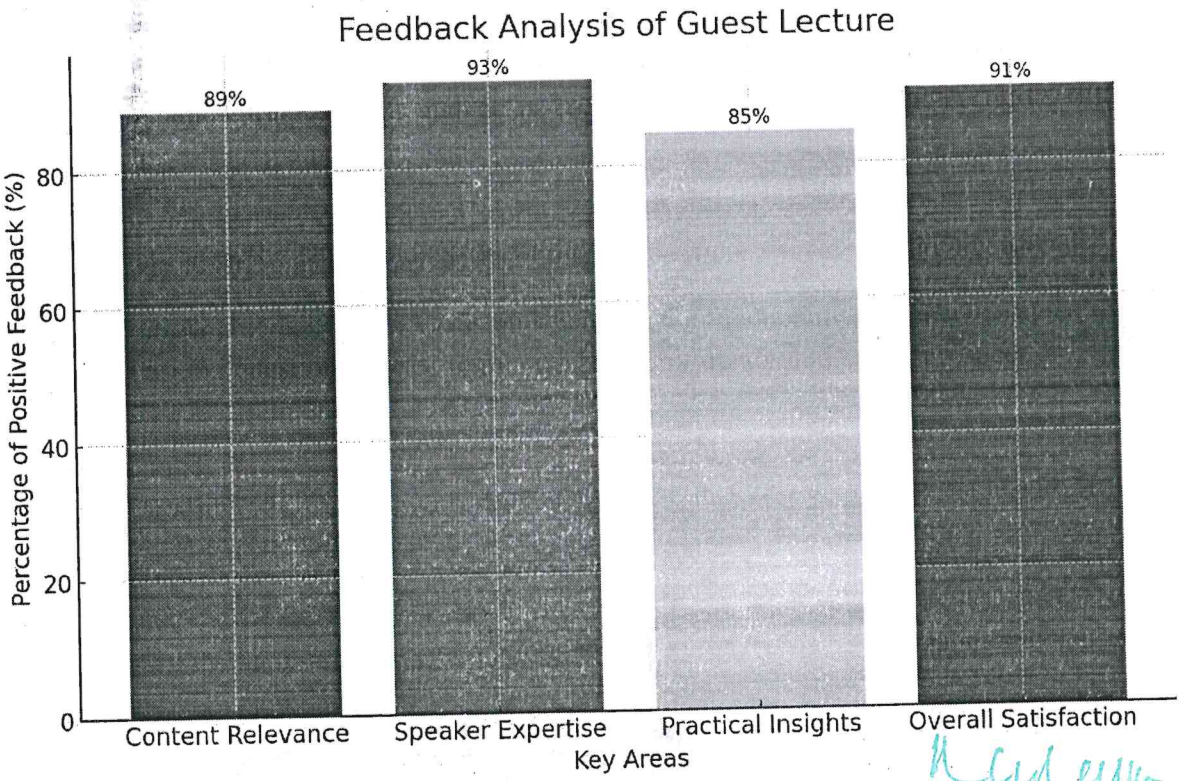
Challenges and Solutions: The speaker addressed the challenges faced during the integration of robotics in manufacturing, such as high costs, complex programming, and the need for skilled manpower, and discussed potential solutions.

Case Studies: The lecture included real-world case studies of successful robotic implementations in manufacturing, showcasing the benefits of increased efficiency, safety, and precision.

Q&A Session: An interactive Q&A session where students and faculty members engaged with the speaker, asking questions related to robotics, industry trends, and career prospects.

5. Feedback Analysis

Feedback was collected from participants to assess the effectiveness of the guest lecture. The analysis covered several key areas:



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Content Relevance: 89% of participants found the content highly relevant and informative.

Speaker Expertise: 93% rated the speaker as highly knowledgeable and engaging.

Practical Insights: 85% appreciated the practical insights and case studies shared during the session.

Overall Satisfaction: 91% of participants were highly satisfied with the overall experience.

6. Conclusion

The guest lecture on "Robotic Systems" by Elements Manufacturing Solutions Private Limited was highly successful in achieving its objectives. The session was well-received by both students and faculty members, providing them with valuable knowledge about the current trends and future opportunities in robotics and automation. The positive feedback suggests that more such industry-academia interactions should be organized to bridge the gap between classroom learning and industry practices.

7. Acknowledgments

We would like to express our sincere gratitude to Elements Manufacturing Solutions Private Limited and their team for their valuable contribution. We also thank the college administration, faculty members, and student volunteers for their support in making this event a success.

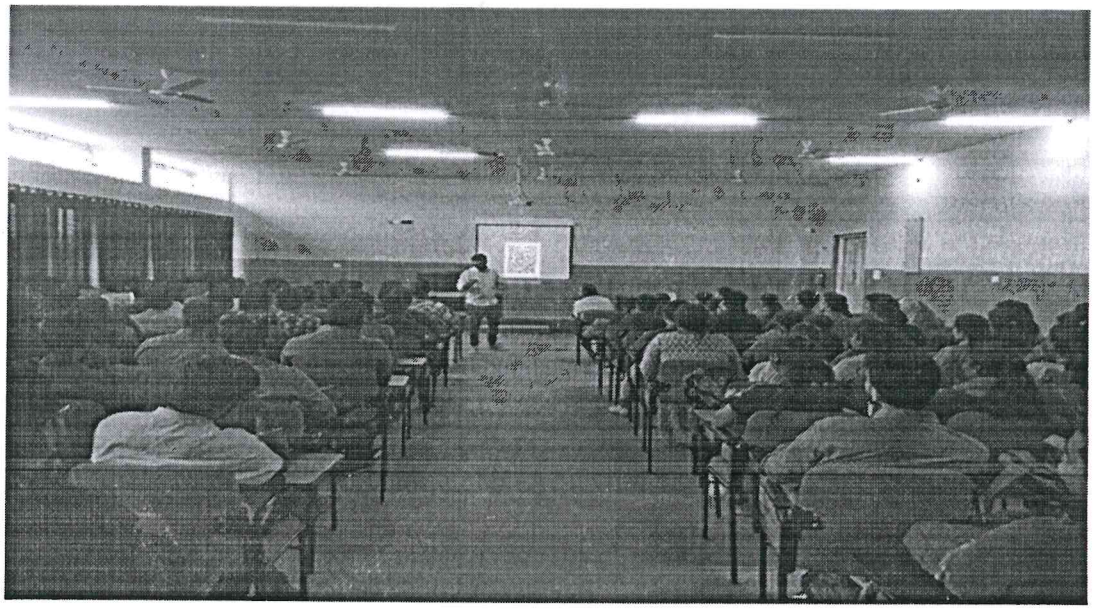
List of Participants

Sl.no.	Student name
1	Aravind Krishnan
2	Meenakshi Ramesh
3	Praveen Kumar
4	Lakshmi Narayanan
5	Srinidhi Ramachandran
6	Kavya Venkatesh
7	Gokul Raj

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8	Harini Subramaniam
9	Nithin Chandrasekar
10	Divya Kannan
11	Varun Prasad
12	Aishwarya Iyer
13	Karthik Raju
14	Swetha Shankar
15	Vigneshwaran S.
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29	Senthil Vel
30	Shreya Karthik

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Interaction between speaker and students

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(8)

2021-22.

EXTENSION MEMORANDUM OF UNDERSTANDING

ACHARYA

ACHARYA INSTITUTES

AND

UNIVERSITAS
BUDI LUHUR

UNIVERSITAS BUDI LUHUR

PRINCIPAL
ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

EXTENTION
MEMORANDUM OF UNDERSTANDING

Number : AI/Col-U/ID/UBL/06/10/2021
Number : A/UBL/REK/UBL/000/056/10/2021

In order to continue the cooperation between Universitas Budi Luhur, Indonesia and Acharya Institute, India signed on Saturday, 11th August 2018 in the city of Bangalore which has been being well executed, the two universities desire hereby to record their consent to the extension of the Memorandum of Understanding.

This Extension Memorandum of Understanding is entered into and executed this day Wednesday , 6th October 2021 in the city of Bangalore, by and between:

Acharya Institutes, a private university organized under the laws of Republic of India, with office address at Acharya Dr. Sarvepalli Radhakrishnan, Acharya PO, Soladevanahalli, Bangalore 560107 INDIA, represented by its Director, Mr. Vishesh Chandrashekar, and hereinafter referred to as "Acharya Institutes".

and

Universitas Budi Luhur, a private university organized under the laws of Republic of Indonesia, with office address at Jalan Cileduk Raya, Petukangan Utara, Pesanggrahan Jakarta Selatan DKI Jakarta 12260 INDONESIA, represented by its Rector, Dr. Ir. Wendi Usino, M.Sc., M.M, and hereinafter referred to as "Universitas Budi Luhur".

Recognizing the importance of higher education, research, and training in the regional development of the Republic of Indonesia, and the Republic of India;

Desiring to enhance bilateral cooperation in higher education, research, and training, in accordance with the national laws and regulations of the Republic of Indonesia and the Republic of India.

Universitas Budi Luhur and Acharya Institutes hereinafter referred to jointly as "the Parties," do hereby agree on the following:

1. This Memorandum of Understanding ("MOU") shall take effect on the date of signature and shall continue for a period of 3 (three) years. Acharya Institute of Science and Technology
2. The Parties will seek developing and carrying out collaborative activities of common interest, including:
   2.1. Facilitate the exchange of faculty experts, researchers, academic personnel, and students.
   2.2. Facilitate the exchange of literature, research findings, and other related publications, subject to the relevant national laws, rules, and regulations covering the Parties, as well as international conventions on intellectual property.

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2.3. Joint research by faculty members and/or researchers from parties, which can be funded by the Parties, private companies or government agencies.

2.4. Teaching and learning activities through visiting lecturing activities in both parties concerned.

2.5. Jointly organize programs of community service.

2.6. Encourage participation by faculty members and students in each other's educational congresses, conferences, workshops, symposiums, training courses, exhibits, and other activities related to the objectives to this extension MoU.

2.7. Encouraging cooperation in Dual Degree, Joint Degree and Credit Transfer, or other form related of mutual recognition of curriculum and degree

2.8 Any other collaboration efforts that both parties may deem fit.

3. If there's no follow up one of the activities as referred to clause number 2 above within 6 (six) months' from the date of signing, this extension MoU is declared terminated
4. Collaborative activities or project between the parties will be subject to further agreement detailing the Parties responsibilities obligations and the conditions relating to each activities or projects and compliance with the applicable laws.
5. Correspondence
6. Any documents and/or notices relating to this Memorandum of Understanding shall be made in writing and may be submitted directly, by registered post and other possible means. The documents can be sent to the address as below:

Universitas Budi Luhur

To,
Direktorat Kerja Sama
AMB Sunten Manurung, S.H (Director of Cooperation)
Dr. Imelda, M. Kom (Head of Sub-Director)
Address Jalan Raya Ciledug,
RT 10/RW.2, Petukangan Utara, Kec. Pesanggrahan, South Jakarta, DKI Jakarta, Indonesia 12260
Phone (021) 5853753 / Ext. 237
Email szmanurung@yahoo.com , kerjasama@budiluhur.ac.id , imelda@budiluhur.ac.id

Acharya Institutes

To,
Prof. C K Marigowda
Deputy Director- International Collaborations
Acharya institutes,
Acharya Dr. Sarvepalli Radhakrishnan Road
Bengaluru, Karnataka, India
Phone: +91 080 22 555 555 Extn.2110
Email: collaborations@acharya.ac.in; marigowda@acharya.ac.in

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7. This Extension MoU outlines the framework of a working relationship between the Parties. It is not intended to constitute a contract but is built in goodwill and binding in honors only.

In witness whereof, the undersigned, being duly authorized by their respective schools, have signed this MoU on Thursday, 6th Oktober 2021

On Behalf of
Universitas Budi Luhur
signed by:

Dr. Ir. Wendi Usino, M. Sc., M.M
Rector

Acknowledge by.

AMB Sunten Z Manurung, S.H
Director of Cooperation

On Behalf of
Acharya Institute
signed by:

06/10/2021
Mr. Vishesh Chandrashekar,
Director

DIRECTOR
CORPORATE & PUBLIC RELATIONS
ACHARYA INSTITUTES

Prof C. K. Marigowda
Deputy Director International Collaboration

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ACHARYA

UNIVERSITAS BUDI LUHUR

INDIA &INDONESIA

CREDIT TRANSFER PROGRAMME

6th September 2021 ,10:30AM (IST)

Invitation

To,
Dignitaries
Acharya Institute &Universitas Budi Luhur

We are honored and pleased to invite you to grace the orientation program on 6th September 2021. We genuinely hope that you honor us with your presence. We hope you would take this opportunity to embrace the students.

Yours Sincerely
Amrith Nachappa N
Program Coordinator
Acharya Institute

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ACHARYA

UNIVERSITAS BUDI LUHUR

ACHARYA INSTITUTE, INDIA
CREDIT TRANSFER PROGRAM
FOR
UNIVERSITAS BUDI LUHIUR, INDONESIA

PROGRAMME SCHEDULE

6th September 2021, 10:30AM (IST)

Academic Year 2021-22

TIME	EVENTS	ADDRESS BY
10:30AM	Ariel View of Acharya Institutes	
10:40AM	Welcome Address	Ms. Amrith Nachappa N
10:50AM	Invocation Dance	By Students
11:00AM	Lighting of the Lamp	Dignitaries
11:10AM	Welcome speech and Introduction of Dignitaries	Ms. Amrith Nachappa N
11:20AM	Address by Campus Director, Acharya Institutes	Dr Maneesh Paul
11:25AM	Address by Principal, Acharya Graduate Studies, Acharya Institutes	Dr Gurunath Rao Vaidya
11:30AM	Address by Principal, Acharya Institute of Technology, Acharya Institutes	Dr. Prakash M R
11:35AM	Address by the Rector, Indonesia	Dr Wendi Usino
11:45AM	National Anthem of INDIA &INDONESIA	
11:55AM	Announcement of the Next schedule	

Meeting Link:
Credit Exchange Program
Wednesday, Oct 6 • Google Meet joining info
Video call link: https://meet.google.com/iaz-obsq-ixd

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Department of Information Science and Engineering

Acharya Institute of Technology

ACHARYA

- Nurturing Aspirations & Supporting Growth

Student Exchange Program

Universitas Budi Luhur, Indonesia

and

Acharya Institutes, India

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List of Students Enrolled

- Mr. Kenny Linardi Lim
- Ms. Anindya Sasi Kirana
- Ms. Salsabila Putri Abdullah Kurnia
- Mr. Fahar Baswara Widyadhana
- Mr. Abid Rafi Nur Hastama

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Courses offered and Faculty Details

ACHARYA

Sl. No	Course_Code	Credits	Course_Name	Faculty_Name
1	18CS51	3 Credits	Management and Entrepreneurship for IT Industry (MEI)	Prof. Arshiya Mubeen
2	18CS72	4 Credits	Big Data Analytics (BDA)	Prof. Sushmitha S
3	18CS53	4 Credits	Data Base Management System (DBMS)	Prof. C K Marigowda
4	18CS752	3 Credits	Application Development using Python (ADP)	Prof. Geethalakhsmi N M
Total Credits		**14 Credits**		

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Calendar of Events

ACHARYA

Sl. No.	Name	Dates
1.	Commence of Semester Inauguration and Orientation	6th October 2021
2.	1st Internal Assessment	28th October 2021 to 29th October 2021
3.	2nd Internal Assessment	15th November 2021 to 16th November 2021
4.	3rd Internal Assessment	15th December 2021 to 16th December 2021
5.	Last Working Day	18th December 2021
6.	Semester End Exam	27th -30th December 2021
7.	Results	14th January 2022

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Timetable Adopted –Indian Standard Time

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Day/ Time	9.00AM 9.55AM	9.55AM 10.50AM	10.50 AM 11.10 AM	11.10 AM 12.05 PM	12.05 PM 1.00 PM	1.00 PM 1.45 PM	1.45 PM 2.40 PM	2.40 PM 3.35 PM	3.35 PM 4.30 PM
Mon				BDA	ADP				
Tue		MEI			ADP				
Wed			TEA BREAK		ADP	LUNCH BREAK		BDA	
Thu		MEI		BDA	DBMS				
Fri					MEI		BDA		
Sat	MEI	DBMS		DBMS					

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Evaluation Criteria followed to Grade Student

Parameters considered

ACHARYA

- **Internal Assessment (Weightage 30%)**
  - Three Internal assessments test are caried out for each course.
  - Each test will be conducted for 50marks, later scale downed to 30 marks.
  - Average of 3 test will be considered.
- **Assignment (Weightage 10%)**
  - Minimum 2 Assignment has to be submitted by student
  - Marks for Assignment is 10
- **Semester End Exam (Weightage 60%)**
  - Final exam will be conducted for 100 marks for each course. The duration of the examination is 3 Hours
  - Final score will be scale downed to 60 marks

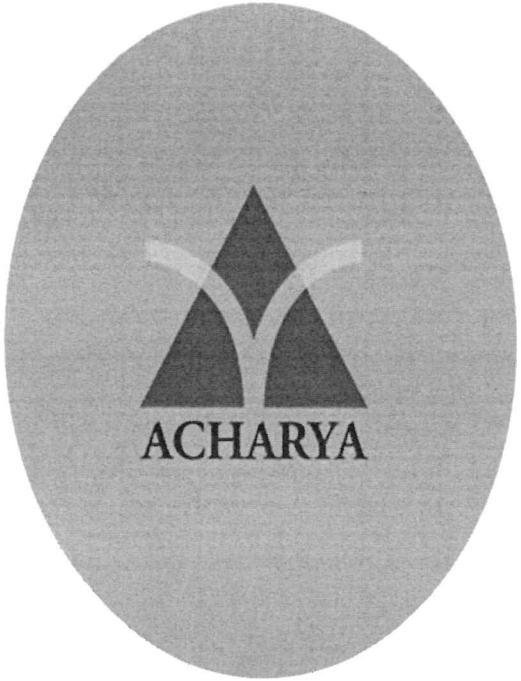
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Grading of Students

Grades, Grade Points and Grade Point Scale

Level	Out Standing	Excellent	Very Good	Good	Above Average	Average	Poor	Fail
Letter Grade	O	S	A	B	C	D	E	F
Grade Points	10	9	8	7	6	5	4	00
Score (Marks Range in %)	>=90	<90	<80 >=70	<70 >=60	<60 >=50	<50 >=45	<45 >=40	<40

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Thank you

Hod-ise@acharya.ac.in
www.acharya.ac.in

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
ACHARYA INSTITUTE OF TECHNOLOGY
Acharya Dr. Sarvepalli Radhakrishanan Road,
Soldevanhalli, Achit Nagar(Post), Bangalore-560107, India

Credit Transfer Program
Universitas Budi Luhur, Indonesia and **Acharya Institutes, India**

Semester End Examination Time-Table, January-2022

DATE/DAY	TIME(IST)	COURSE
10/01/2022 Monday	09:30AM -12:30PM	Management and Entrepreneurship for IT Industry (MEI)
11/01/2022 Tuesday	09:30AM -12:30PM	Big Data Analytics (BDA)
12/01/2022 Wednesday	09:30AM -12:30PM	Data Base Management System (DBMS)
13/01/2022 Thursday	09:30AM -12:30PM	Application Development using Python (ADP)

Prof. Hemantha T. D.
Coordinator –IT Program

Prof. C. K. Marigowda
HOD-ISE

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FAKULTAS TEKNIK | FAKULTAS ILMU KOMUNIKASI | PROGRAM PASCASARJANA
Kampus Pusat : Jl. Raya Ciledug - Petukangan Utara - Jakarta Selatan 12260
Telp : 021-5853753 (hunting), Fax : 021-5853489, http://www.budiluhur.ac.id

Letter of Appreciation

Prof.CK Marigowda
Acharya Institute of Technology
Bengalore, India

Dear Sir,

Universitas Budi Luhur, Jakarta, Indonesia, would like to thank you for taking part as a guest lecturer in our "International Credit Transfer Program" held under collaboration between Universitas Budi Luhur and Acharya Institute on October 6, 2021 until January 14, 2022.

Your subject on Database Management System was one of the most interesting topics for our students.

We believe that your views and insights on the subject will be valuable and will greatly enrich our students' knowledge

Thank you for your consideration and we look forward to your participation on future events.

Very truly yours,

Jakarta, February 21, 2022

Dr.Ir. Wendi Usino, M.Sc.
Rector

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Kampus Pusat : Jl. Raya Ciledug - Petukangan Utara - Jakarta Selatan 12260
Telp : 021-5853753 (hunting), Fax : 021-5853489, http://www.budiluhur.ac.id

Letter of Appreciation

Prof.Hemanth TD
Acharya Institute of Technology
Bengalore, India

Dear Sir,

Universitas Budi Luhur, Jakarta, Indonesia, would like to express our profound appreciation for your dedicated effort in contributing to our "International Credit Transfer Program" held under collaboration between Universitas Budi Luhur and Acharya Institute on October 6, 2021 until January 14, 2022.

Without your contribution and support, we would not have succeeded with this important program

Thank you for your consideration and we are looking forward for your cooperation on future events.

Very truly yours,

Jakarta, February 21, 2022

Dr.Ir. Wendi Usino, M.Sc., M.M
Rector

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Acharya Institute of Technology
Department of MBA

The Online Cultural Exchange Program (OCEP)

Under the leadership of Prof. Marigowda, Vice-Principal, AIT, Department of MBA collaborated with Budi Luhur University (BLU), Indonesia for the online cultural exchange program. The opportunity was given to 22 Students of MBA Department to participate in the Online Cultural Exchange Program which was scheduled from 30th May to 11th July 2023 on Tuesdays on 30th May 2023, 20th June 2023, and 11th July 2023.

About OCEP

The Online Cultural Exchange Program or OCEP is a program initiated by Budi Luhur University (BLU), Indonesia and Kanda Institute of Foreign Languages (KIFL), Japan. Both institutions have been close partners for years. In 2020, both agreed to extend the cooperation including the student exchange program in the form of a 10-meeting joint class on culture. The main objective of the program is to enhance the friendship, bond, networks, and cultural understanding between students from both institutions. Therefore, the main method during the meetings are focus group discussions involving students from different institutions. Facilitators (teachers/lecturers from participant institutions) mainly supervise and give guidance for the conduct of the discussion.

Link: https://sites.google.com/kifl.ac.jp/cultural-exchange/home

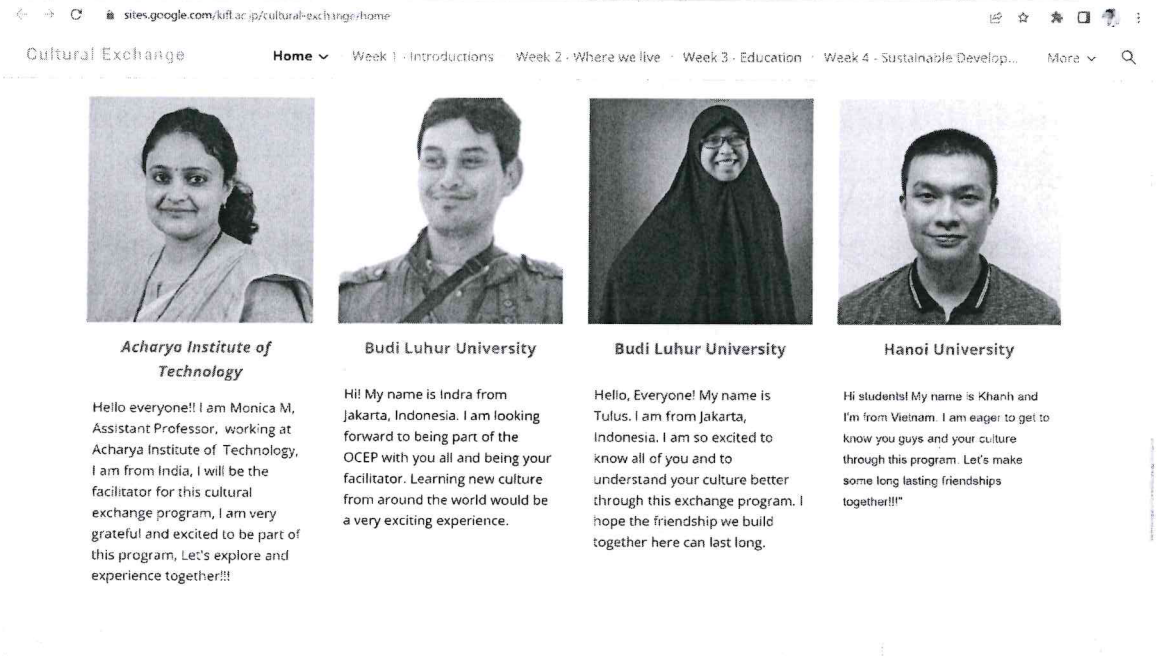
Meeting ID: https://zoom.us/j/93332388229

Students List:

SL. NO.	AUID	NAME
1	AIT22AMBA069	RAHUL DEORA
2	AIT22AMBA041	MD ASHIK ALI
3	AIT22AMBA195	RUCHITHA M
4	AIT22AMBA005	NANDINI KRISHNA
5	AIT22AMBA243	POOJA KR
6	AIT22AMBA133	PRAJWAL G
7	AIT22AMBA198	ANUSHA TP
8	AIT22AMBA116	LAKSHMI KRISHNA E
9	AIT22AMBA196	JAYASHREE H. D
10	AIT22AMBA173	SYEDA YASMEEN
11	AIT22AMBA078	NESREEN YAHYA ABDALWLY ALMORTADA
12	AIT22AMBA137	SHRADDHA N SAWANTH

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13	AIT22AMBA143	SMITHA SS
14	AIT22AMBA172	YASHASWINI K
15	AIT22AMBA052	DEEP ROY
16	AIT22AMBA128	PORNA TEJA T S
17	AIT22AMBA060	TAMARI APARNA
18	AIT22AMBA224	VARSHINI K
19	AIT22AMBA182	SARIKA H J
20	AIT22AMBA227	SANJOTA SINGARADDI
21	AIT22AMBA012	ANKITA KUMARI
22	AIT22AMBA098	ASHISH S MENON

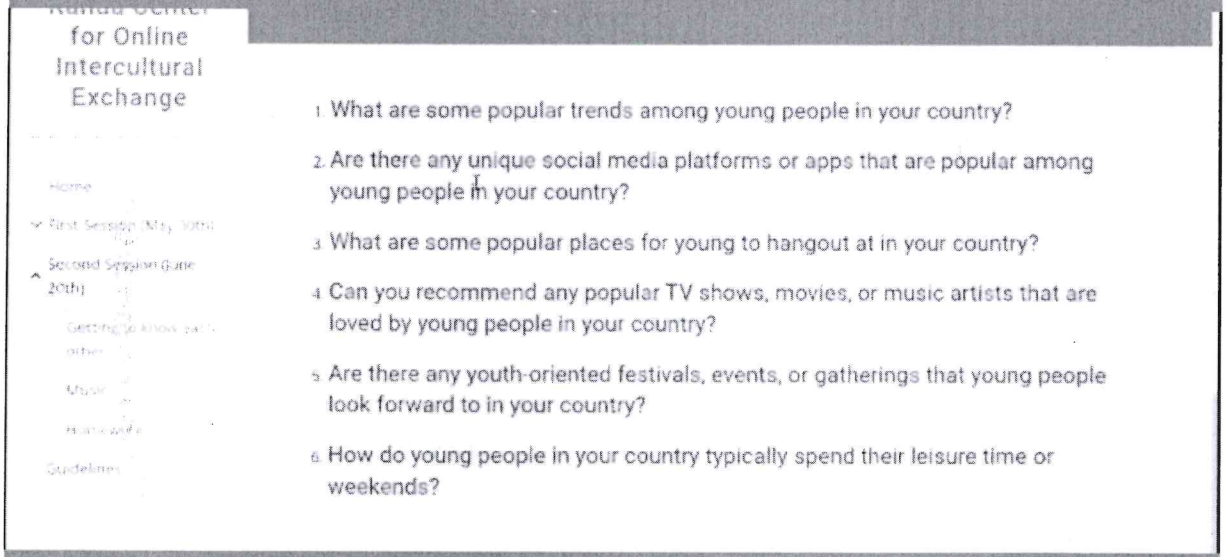


The program was scheduled from 1.30 PM to 3.30 PM, the students were given group assignments every meeting. assessed based on the assignments, session attended and their discussions during the program. The program was coordinated by Dr. Juin Choudhury, HOD, MBA and Prof. Monica M.

In the 3rd day, all the teams from AIT, India were selected to present in the closing meeting. The closing meeting was concluded on 11th July 2023 Students had attended all the sessions and completed this online cultural program successfully. The students were provided with certificate for successful completion of OCEP

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1. What is your name and where are you from?
2. What are your hobbies or interests?
3. What do you enjoy doing in your free time?
4. What is one thing you're passionate about?
5. Do you have any favorite books, movies, or TV shows?
6. What kind of music do you like to listen to?
7. Have you traveled to any interesting places recently or do you have any travel plans in th
8. What is something unique or special about the place you call home?



Share with your group a favorite song from your country:

For example:

Step 1- Go to YouTube and type in the name of your favorite song.

Step 2- Share your screen with the other members of your group.

Step 3 - Tell the group the name of the band and the title of the song.

Step 4 - Play 20 to 30 seconds of the song.

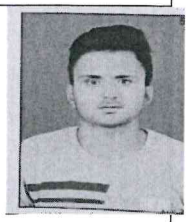
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SL. NO.	NAME	GENDER	MAJOR	E- MAIL	PICTURE
1	RAHUL DEORA	MALE	MBA	Rahulo.22.amba@acharya.ac.in	
2	MD ASHIK ALI	MALE	MBA	mdm.22.amba@acharya.ac.in	
3	RUCHITHA M	FEMALE	MBA	Ruchitha.22.amba@acharya.ac.in	
4	NANDINI KRISHNA	FEMALA	MBA	Nandinik.22.amba@acharya.ac.in	
5	POOJA KR	FEMALE	MBA	Poojar.22.amba@acharya.ac.in	
6	PRAJWAL G	MALE	MBA	prajwalgp01@gmail.com	

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7	ANUSHA TP	FEMALE	MBA	Anushatp5121@gmail.com	
8	LAKSHMI KRISHNA E	FEMALE	MBA	Lakshmikrishna7902@gmail.com	
9	JAYASHREE H. D	FEMALE	MBA	jayashreehd2001@gmail.com	
10	SYEDA YASMEEN	FEMALE	MBA	Syedas.22.amba@acharya.ac.in	
11	NESREEN YAHYA ABDALWLY ALMORTADA	FEMALE	MBA	Nesreeny.22.amba@acharya.ac.in	
12	SHRADDHA N SAWANTH	FEMALE	MBA	shraddhan.22.amba@acharya.ac.in	
13	SMITHA SS	FAMALE	MBA	Smithas.22.amba@acharya.ac.in	

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14	YASHASWINI K	FEMALE	MBA	Yashaswinik.22.amba@acharya.ac.in	
15	DEEP ROY	MALE	MBA	Deepd.22.amba@acharya.ac.in	
16	PORNA TEJA T S	MALE	MBA	poornateja12@gmail.com	
17	TAMARI APARNA	FEMALE	MBA	Aparana.22.amba@acharya.ac.in	
18	VARSHINI K	FEMALE	MBA	varshinikrish016@gmail.com	
19	SARIKA H J	FEMALE	MBA	Sarikaj.22.amba@acharya.ac.in	
20	SANJOTA SINGARADDI	FEMALE	MBA	Sanjotay.22.amba@acharya.ac.in	

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21	ANKITA KUMARI	FEMALE	MBA	Ankitasinghrajput14@gmail.com	
22	ASHISH S MENON	MALE	MBA	Ashishs.22.amba@acharya.ac.in	



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CERTIFICATE

Of Participation

KANDA INSTITUTE OF FOREIGN LANGUAGES

This certificate is proudly presented to

Sarika HJ

For participating in the International Online Exchange Program on 2023

UNIVERSITAS BUDI LUHUR Indonesia | Ukraine | Strode College - UK | NSBM GREEN UNIVERSITY TOWN Sri Lanka | ACHARYA India | Ukraine | MCMXXIII Ukraine

CERTIFICATE

Of Participation

KANDA INSTITUTE OF FOREIGN LANGUAGES

This certificate is proudly presented to

PRAJWALG

For participating in the International Online Exchange Program on 2023

UNIVERSITAS BUDI LUHUR Indonesia | Ukraine | Strode College - UK | NSBM GREEN UNIVERSITY TOWN Sri Lanka | ACHARYA India | Ukraine | MCMXXIII Ukraine

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SOMPURA, BANGALURU - 560 107

Discussion Forum:

There was a discussion forum to discuss on "National Treasure" for a period of 60 Minutes on 16th Dec 2023 for promoting the strengths of our country and share about the culture, products, festivals and traditional games etc.

Meeting Link:
https://zoom.us/j/99774133315?pwd=RHM0WTZyNkVCMG5VQ1VKb0hab2QvUT09

Discussion Forum:



Certificate of Appreciation

awarded to

Vaishak Raj K. J.

for his/her participation as Discussant in **Online Intercultural Global Open Class held by Course HI002 Diplomacy,** International Relations Study Program, Universitas Budi Luhur on Saturday, 16 December 2023 on Zoom Meeting

120/FIS/HI/126/12/2023

OpenClass Certificate

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Certificate of Appreciation

awarded to

K. P. Kavya

for his/her participation as Discussant in **Online Intercultural Global Open Class held by Course HI002 Diplomacy,** International Relations Study Program, Universitas Budi Luhur on Saturday, 16 December 2023 on Zoom Meeting

120/FIS/HI/133/12/2023

OpenClass Certificate

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2021-22

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is executed on the 13th of December 2021, by and between M/s. Merck Life Science Private Limited (formerly known as Millipore (India) Private Limited), a company registered under the Companies Act, [illegible] (CIN: U73100MH1986PTC221693) and having its registered office at Godrej One, 8th Floor, Pirojshanagar, Eastern Express Highway, Vikhroli (E), Mumbai – 400079 (hereinafter referred to as "Merck", which expression shall unless repugnant to the context or meaning thereof be deemed to include their successors and assigns) of the ONE PART and

ACHARYA INSTITUTES: Acharya Institutes run by JMJ Education Society (Regd.) is Bangalore's largest composite academic facility without [illegible] sprawling 120 acre eco friendly Wi-Fi campus housing more than 12000+ students from 25 different countries offering 100 programmes in the streams of Engineering, Computer Applications, Architecture, Pharmacy, Management, Biotechnology, Nursing, Law, Science and Technology with affiliation to Visvesvaraya Technological University, Bangalore University and Rajeev Gandhi University of Health Sciences, Karnataka. Acharya Institutes is a private co-educational [illegible] institution, situated at [illegible], Soladevanahalli, Hesaraghatta Road, Bangalore – 560107, hereinafter, referred to as "Acharya Institutes" which expression [illegible] being represented to by its Campus Director

The following Institutions under Acharya Institutes shall be part of this MOU

1. Acharya and BM Reddy College of Pharmacy
2. Bio Technology Department of Acharya Institute of Technology

all the above mentioned institutes are [illegible] JMJ Education Society being private, Non-profitable [illegible] educational institutes [illegible] engineering, [illegible] life sciences education and are [illegible] to Rajiv Gandhi University of Health Sciences and Visvesvaraya Technological University and [illegible] by Universities Grants Commission (UGC) and AICTE, a statutory body of the Government of India, under 2(f) and 12 (B) of UGC Act, hereinafter collectively referred to as "Acharya Institutes" which expression shall unless repugnant to the context or meaning hereof be deemed to include their successors and assigns.)

(ACHARYA INSTITUTES and MERCK shall hereinafter be collectively referred to as "PARTIES" and individually as "PARTY")

Merck has established two Life Science [illegible] with one as innovation lab at Merck, Bommasandra – Jigani link road, Bangalore and another [illegible] Merck Knowledge and Skill development center in collaboration with CSIR-IMTech (Development Centre [illegible] Institutes & Industries of the Council of Scientific and Industrial Research (CSIR) [illegible] Ministry of Science and Technology, located at Sector 39-A, Chandigarh. Through these [illegible] development programs are provided to facilitate development and upgradation of [illegible] researchers, students, and others in field of life sciences.

Now, Therefore this Memorandum of Understanding ("MOU") Merck and Acharya Institutes record their understanding to collaborate with each other in taking a joint initiative for scientific skill development of students by providing necessary support in terms of [illegible], their guidance, regulatory consultation, and necessary skill development training at Merck [illegible]

Merck and Acharya Institutes [illegible] in the following terms

16/12/21

HOD, Biotech

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Department of Biotechnology
Acharya Institutes of Technology

Acharya Institutes email

Devasis Pradhan <devasispradhan@acharya.ac.in>

Fwd: AIT BT: Report on 5 days Hands-on domain training on Molecular Biology techniques @ Merck life science Pvt Ltd., Bangalore.

1 message

ALLWIN EBINESAR JACOB SAMUEL SEHAR AI002979 <allwin2979@acharya.ac.in> Wed, Sep 4, 2024 at 12:31 PM

To: devasispradhan@acharya.ac.in

---------- Forwarded message ---------
From: **ashalatha Ms.** <ashalatha@acharya.ac.in>
Date: Wed, Sep 4, 2024 at 11:23 AM
Subject: Fwd: AIT BT: Report on 5 days Hands-on domain training on Molecular Biology techniques @ Merck life science Pvt Ltd., Bangalore.
To: <allwin2979@acharya.ac.in>

Warm regards,

Thanking You,

Dr. Ashalatha,
APG-II,
Department of Biotechnology,
Acharya Institute of Technology,
Bangalore-560107,
ph no. 080-23723466, 080 22555555
Mobile: 9742918603

The happiest people on this planet are not those who live on their own terms but are those who change their terms for the ones whom they love..

---------- Forwarded message ---------
From: **NEWS Acharya** <news@acharya.ac.in>
Date: Wed, Dec 29, 2021 at 3:05 PM
Subject: AIT BT: Report on 5 days Hands-on domain training on Molecular Biology techniques @ Merck life science Pvt Ltd., Bangalore.
To: <acharya-full@acharya.ac.in>

Dear Acharyans,
Greetings for the day!

Department of Biotechnology, Acharya Institute of Technology is happy to announce that our students have attended a hands-on domain training program on **"Molecular Biology techniques"** from **Merck Innovation Lab, Bangalore** from 20/12/2021 to 24/12/2021.

Please find the attached report for detailed information!

Thank You

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For more updates follow us:



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Report- BT Merck Workshop.PDF.docx
592K

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ACHARYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF BIOTECHNOLOGY

Workshop on Fundamentals of Molecular Biology at Merck Life Sciences. Bangalore

Students from the Department of Biotechnology participated in a 5 day workshop held at Merck innovation lab, Bangalore from 20th to 24th of December 2021. The workshop was based on the topic "Fundamentals of Molecular Biology", with special focus on PCR methods. Through a series of lectures, discussions and case studies, a panel of industry and academia experts helped the students in developing skills to overcome the challenges. This was coupled with a detailed and intensive hands-on workshop through which the students will use new and advanced methods and tricks that would be very useful in improving their scientific effectiveness. The concepts demonstrated in the workshop were very beneficial to the students as they form an integral part of their curriculum.

Objectives:

- To gain an understanding of the different DNA and Protein extraction techniques currently in use.
- To get practical experience using the latest PCR Technology applying the gained knowledge.

Topics Covered:

- DNA techniques: Isolation, basics of PCR, Gel Electrophoresis.
- RNA techniques: Isolation, Electrophoresis and Quality Control.
- Expression Analysis by RT PCR, cDNA synthesis, Data Analysis.
- Western Blotting by SNAP id 2.0.

Highlights of the program:

- Research Design- Defining questions, designing experiments, data analysis and data handling.
- An insight into Mammalian cell culture and harvesting.
- An in-depth analysis of Protein and Nucleic Acid Separation and Sequencing Processes.
- Significance of Laboratory Skills and Protocol.
- Exposure to the latest advancements in PCR technology and methods.
- Career Guidance Program exploring the plethora of opportunities relevant to the field of Biotechnology.

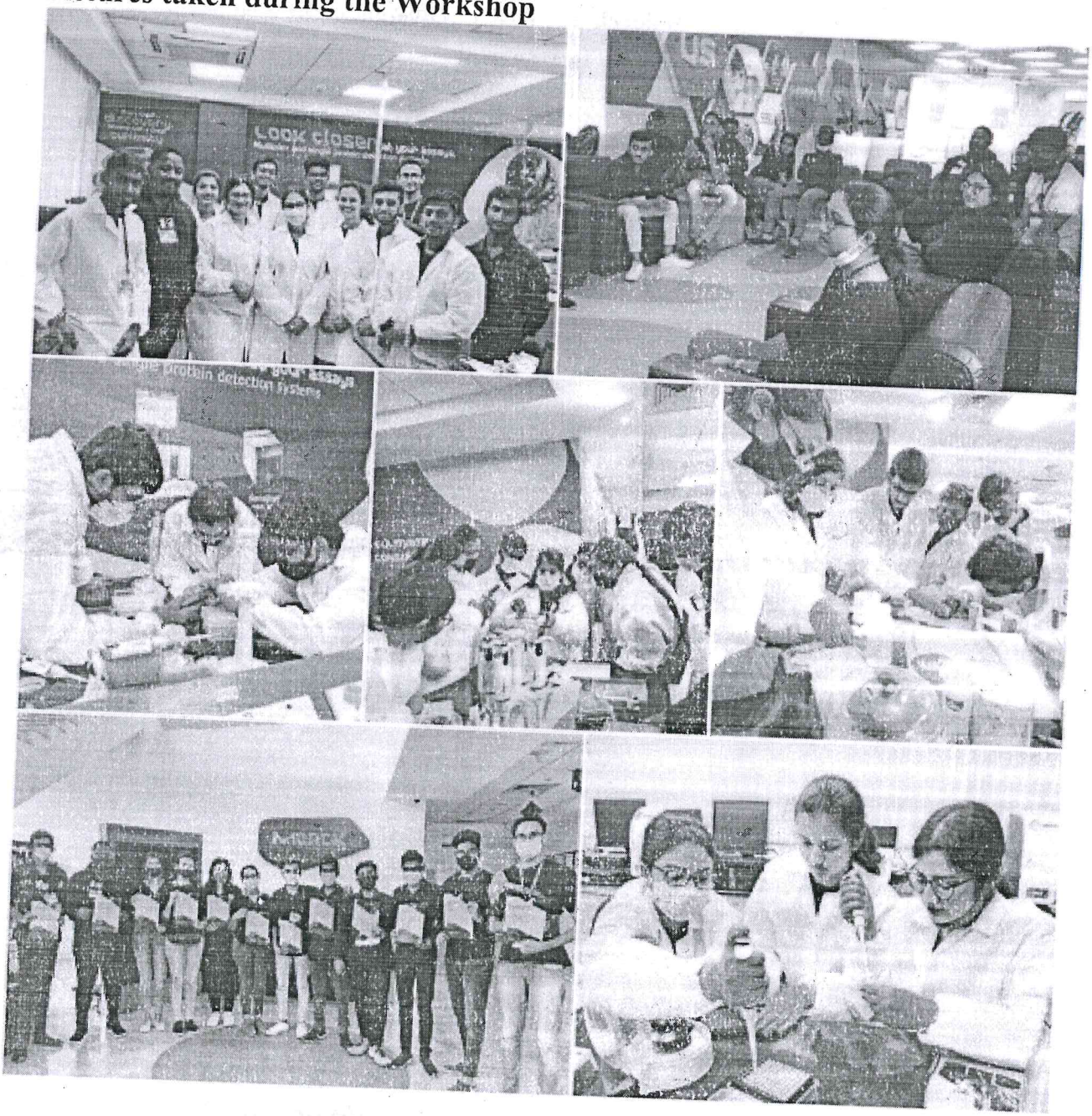
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Program Outcomes:

- Students have understood the significance of nucleic acid separation techniques in molecular biology.
- Students have a better overview of the different aspects of PCR and their relevance in the present day.
- Students are more confident to undertake future projects relating to the subject.

Pictures taken during the Workshop



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Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka
and Accredited by NBA (AE, BT, CSE, ECE, ME, MT)

Academic Year 2020-21

3.5.1. Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during 2020-21

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (internship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise
1.	MoU	Flux Link India Pvt Ltd, 591/A, Vidyaranyapura Main Rd, HMT Layout 3rd Block, Vidyaranyapura, Bengaluru, Karnataka 560097	2021	Facilitate exchange of knowledge and resources for mutual benefit	5 Years	Five day workshop on "Embedded system Design using Arduino and IOT using Raspberry pi" (27th Jan- 04th Feb 2023)
2.	MoU	Ai Edge Innovations Pvt Ltd, Chantravathi Nilaya Behind KEBHaradi Rathe Puttur Kasaba 5, , Puttur, Karnataka, India - 574201.	2020	Training & Internship	5 Years	Training, Internship and Technical Talk 1. Hands-on training: Advanced Ansys-Workbench 2. Digital Aerodynamics: Software Skills for Aerospace

						Engineers 3. STTP on "MATLab and Simulink for Aeronautical Engineers 4. Skill development program on Demonstration of IoT for Aerospace applications
3.	MoU	Durga India, 34/1, 1st B Main Rd, 1st Cross, 7th Block, Jayanagar, Bengaluru, Karnataka 560070	2020	AICTE activity	3 Years	AICTE activity (Sample Report)

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2021-21

सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

Rs. 100

e-Stamp

Certificate No.	:	IN-KA17021630166588T
Certificate Issued Date	:	29-Sep-2021 11:38 AM
Account Reference	:	NONACC (FI)/ kacrsfl08/ KEC LAYOUT/ KA-BA
Unique Doc. Reference	:	SUBIN-KAKACRSFL08900623896363 41T
Purchased by	:	ACHARYA INSTITUTE OF TECHNOLOGY
Description of Document	:	Article 37 Note or Memorandum
Description	:	MEMORANDUM OF UNDERSTANDING
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	ACHARYA INSTITUTE OF TECHNOLOGY
Second Party	:	FLUXLINK INDIA PRIVATE LIMITED
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Stamp Duty Amount(Rs.)	:	100 (One Hundred only)

सत्यमेव जयते

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Please write or type below this line

Memorandum Of Understanding (MOU)

Between

ACHARYA INSTITUTE OF TECHNOLOGY

And

FLUXLINK INDIA PRIVATE LIMITED

This Memorandum of Understanding is entered into this 30th day of September 2021 by and between

Statutory Alert:
1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

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ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BANGALORE-560 107

Acharya Institute of Technology, Bengaluru hereinafter referred to as AIT, an Engineering College established in 2000, affiliated to Visvesvaraya Technological University (VTU), Belagavi, approved by All India Council for Technical Education (AICTE), New Delhi, Government of India and Accredited by National Board of Accreditation (NBA) and National Assessment and Accreditation Council (NAAC). AIT is located at Acharya Dr. Sarvepalli Radhakrishnan Road, Soldevanahalli, Bangalore-560 107, Karnataka INDIA

And

Fluxlink India Pvt. Ltd. a Karnataka based Manufacturer of electrical machinery, Service Provider of high quality Industrial Robots, Press Machines, Established in year 2020, located at #591/A, Sri Durga Complex, Vidyaranyapura, Bangalore, Karnataka, India 560097.

IT IS HEREWITH AGREED AS FOLLOWS:

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.

ARTICLE 1: AREAS OF COLLABORATION

1. To impart training, internship, workshops to the students and staff of the Institute by company.
2. Company to provide regular active inputs in the training of the students of the Institute.
3. The Institute and the Company shall explore the possibilities of mutual support in their learning, hiring, training, internships and research requirements based on mutual convenience.
4. Supporting the faculty and students in allowing to use the facilities at Fluxlink India Pvt. Ltd and AIT for getting practical experience in areas Industrial automation and electrical machinery's.
5. Fluxlink India Pvt. Ltd will be utilizing the technical expertise, the labs and human resources of AIT for its R&D activities, consultancy for development, testing and verification support for projects which will be done in collaboration with AIT.
6. Supporting student projects in the UG programs.
7. Permission to use materials related to work done in order to jointly publish papers.
8. When Fluxlink India Pvt. Ltd offers any consultancy or developmental projects to AIT, UG and PG students may be involved and they may take up project work at Fluxlink India Pvt. Ltd or at AIT. For such project work, one senior faculty of the department shall be the internal guide and one or more of Fluxlink India Pvt. Ltd and its associate's representative shall be the external guide.

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 institutions prior to the initiation of particular program or activity.

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A program review committee shall be constituted with equal representation from both Fluxlink India Pvt. Ltd and AIT that will review all aspects of implementation of the proposal. The committee will also look into new avenues of collaboration and co-operative working.
The following persons will be the SPOC from AIT:

1. **Dr. Lakshmikanth. S**
   Associate Professor
   Dept. of ECE

2. **Mr. Sunilkumar A.V**
   Assistant Professor
   Dept. of EEE

ARTICLE 3: PROCEDURES AND FUNDING
The overall program will be coordinated by the office of Fluxlink India Pvt. Ltd, Bengaluru and SPOC to be nominated from EEE and ECE department of AIT, Bengaluru. The financial arrangements for conducting the activities will be negotiated through designated officials on a case by case basis, before initiation of any activity.

ARTICLE 4: AMENDMENTS TO THIS MOU
Amendments to this agreement may be made at any time during its validity through mutual written consent of Fluxlink India Pvt. Ltd and AIT.

ARTICLE 5: DURATION OF THIS MOU
This MOU will remain operative for a period of five 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 through 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 here under by AIT, to be taken or given by the SPOC, AIT or his authorized representative and on behalf of Fluxlink India Pvt. Ltd by Managing Director/CEO, Fluxlink India Pvt. Ltd his authorized representative.

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 Fluxlink India Pvt. Ltd involving financial, administrative, key technical objects and decisions and other matters shall be sent to the Principal AIT. All communications by AIT involving financial, administrative, key technical objectives and decisions and other matters shall be sent to Managing Director of Fluxlink India Pvt. Ltd .All information of

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incremental technical details and day to day working may be exchanged directly between the AIT faculty and appropriate project personnel as identified from time to time.

ARTICLE 9: GENERAL

(a) The headings of various clauses herein are inserted for convenience of reference and not deemed to affect the meaning or construction of relative provisions.

(b) AIT will have the right to continue to utilize the information, kits and SW given for its teaching purposes under the norms of Non Disclosure Agreement to be signed post signing of MOU.

(c) 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.

(d) 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 similar relationship with third parties.

(e) The term confidential shall not include information available or through prior expertise or lawfully obtained or available from third party or other legally available sources.

(f) As both parties are engaged in various aspects associated with Research and Technology innovation, any intellectual property developed by either party individually would belong to the respective parties. If developed jointly then would belong to both the parties. The terms and conditions including, the right to use or refuse, period of exclusivity, revenue sharing, and royalty with respect to the individual or joint IPs, may be decided by both the parties on a case by case basis and the same may be recorded in MOM.

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, on the basis of mutual consultation by the administrators. Finally, this MOU is wholly meant to contribute to the learning process of the faculty and students belonging to AIT and possible R&D, and developmental activity of Fluxlink India Pvt. Ltd and not for 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 appoint third arbitrator. The arbitration shall be conducted by a panel of three arbitrators. The venue of arbitration shall be exclusively in Bengaluru. The decision of the panel of arbitrators shall be binding on both parties.

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This agreement shall be governed by the Laws of India and subject to the jurisdiction of Courts in Bengaluru.

ARTICLE 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, Epidemics, etc., provided on the occurrence and cessation of any such event the party affected thereby shall be give a 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 THE PARTIES have set their hands hereto on the day and year first herein above written under their respective seal of office.

Signatures:

For **FLUXLINK INDIA Pvt. Ltd.**

Director

Dr. Prakash M R
Principal
Acharya Institute of Technology
Acharya Dr Sarvelpalli Radhakrishna,
Soldevanahalli,Bengaluru-107
Karnataka, INDIA.

Mr. Vinay A Nagaraj
Managing Director
Fluxlink India Private Limited
#591/A, Sri Durga Complex
Vidyaranyapura, Bangalore 560097.
Karnataka, INDIA.

Witness:

Dr.Prakash R
Prof. & Head
Dept. of Electrical and Electronics
Acharya Institute of Technology

Dr.Rajeswari
Prof. & Head
Dept. of Electronics and Communication
Acharya Institute of Technology

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Acharya Institute of Technology

Soladevanahalli, Bengaluru-560107

Department of Electrical and Electronics Engineering

A Report on
Five day workshop on "Embedded system Design using Arduino and IOT using Raspberry pi"

A Five day workshop on "**Embedded system Design using Arduino and IoT using Raspberry pi**" is organized by the department of EEE from 27th to 29th January 2023, 3rd and 4th February 2023 in association with Fluxlink India Pvt. Ltd, Bangalore and inaugurated by Dr. Rajath Hegde M M, Principal , Air , Dr. Prakash.R , Hod, EEE Dr. Lakshmikanth .S, Member, IQAC . The Experts explained various concepts of embedded system related aspects right from fundamentals to advanced (IoT). The workshop started with a presentation on embedded systems advances and related field and its opportunities in the industry. The presentations clearly explained what skills are required to become an embedded engineer or engineer. The entire workshop covers embedded systems and Raspberry-pi platform for building devices that control the physical world.

The workshop resource persons initially focused on importance of IoT in society, the current components of typical IoT devices and trends for the future. IoT design considerations, constraints and interfacing between the physical world and your device will also be covered and also cover how to make design trade-offs between hardware and software, key components of networking to ensure that students understands how to connect their devices into internet. 35 Students of 3rd Semester EEE are participated in the workshop.

1. Objectives of workshop

- To bridge the gap between the industry and Academic by up skill student's knowledge.
- To impart the basic programming concepts and techniques, that will be useful to enhance students skills for industry requirements in field of embedded system design and IoT.

2. Workshop Flow

Day-1: Mr. Lakshmikanth Reddy and Mr. Dayananda L.N started with an introduction to embedded systems, Arduino Basics, Arduino Board Layout & Architecture, Programming fundamentals. Interfacing sensors with Arduino and measured Environmental Physical Values.

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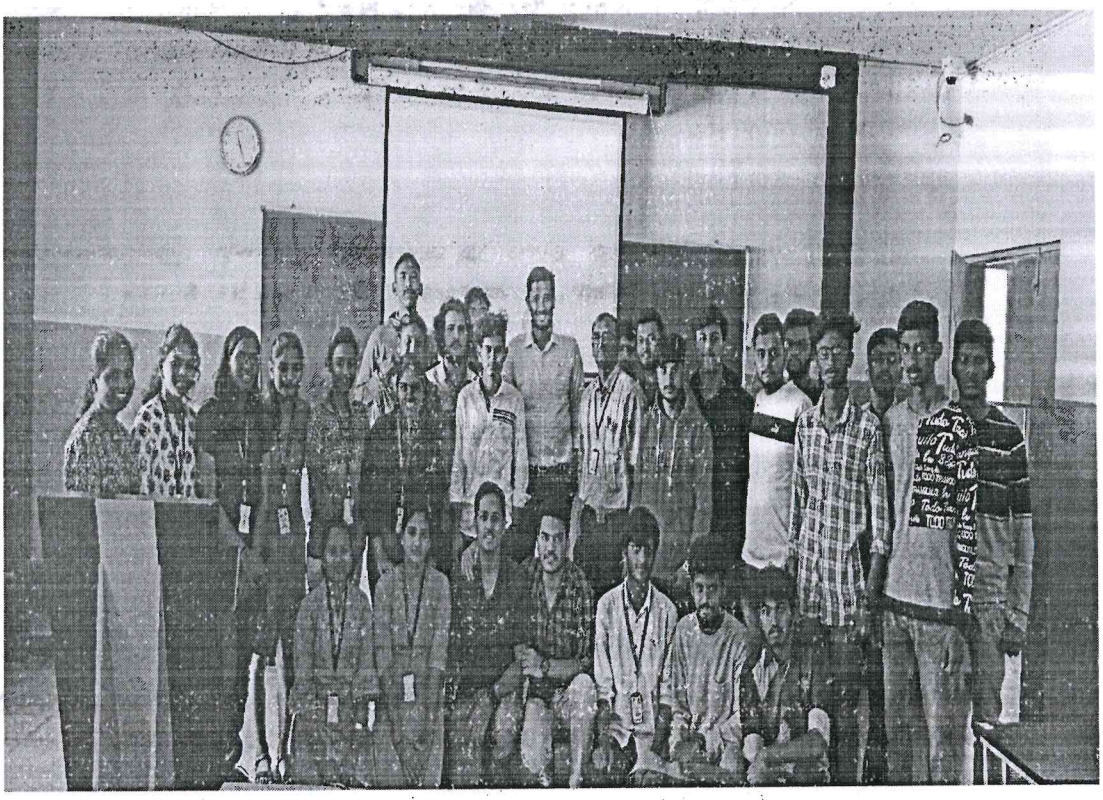
Day-2: First half, Dr. Bhargav from L&T Technologies explained the Simulation & emulation of the STM32 microcontroller discovery board and explained how source code is converted in to executable code. Second half, Mr. Lakshmikanth Reddy and Mr. Dayananda L.N given Hands-on training on interfacing different motors like servo motor and dc motor etc.

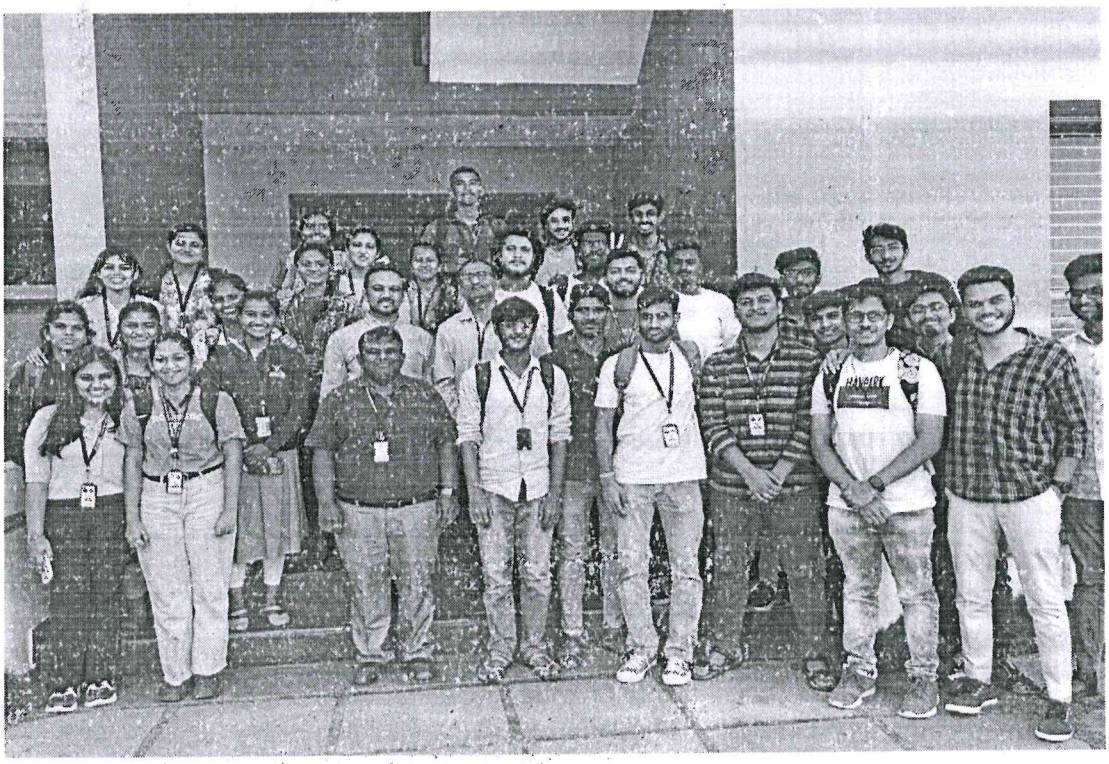
Day-3: For Students, task was given to developed different type embedded applications using ultrasonic sensors, servo motors, LCD, IR sensors, Motors.

Day-4: First half, Mr. Vinay A.N. from Fluxlink India Pvt. Ltd., given idea about current scenario of automation in different industries. Second half, Mr. Sathya Murthy Kamath from SBM nauvata given to introduction of Python, Raspberry Pi, Comparison of various Rpi Models, Pin Description of Raspberry Pi, On-board components of Rpi,

Day 5 – Mr. Sathya Murthy Kamath from SBM nauvata started session with Initialization of Raspberry-pi, led interfacing, temperature and Humidity Sensor interfacing with Raspberry-pi. He also demonstrated the sending of the data to cloud.

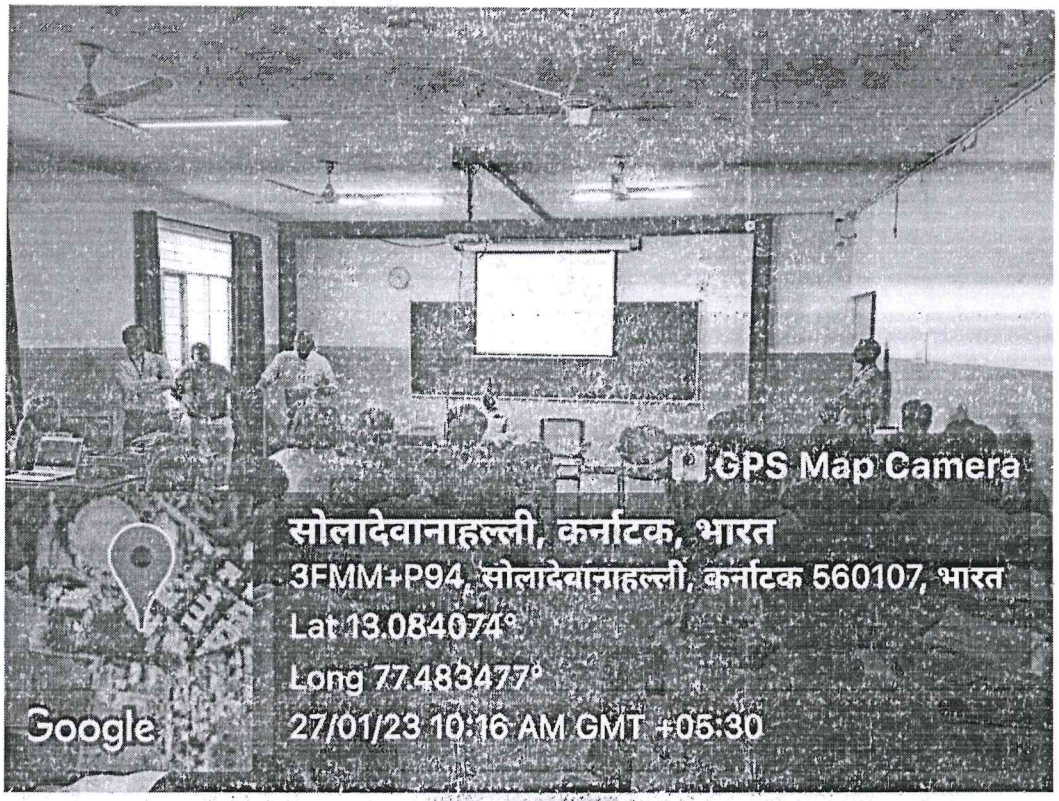
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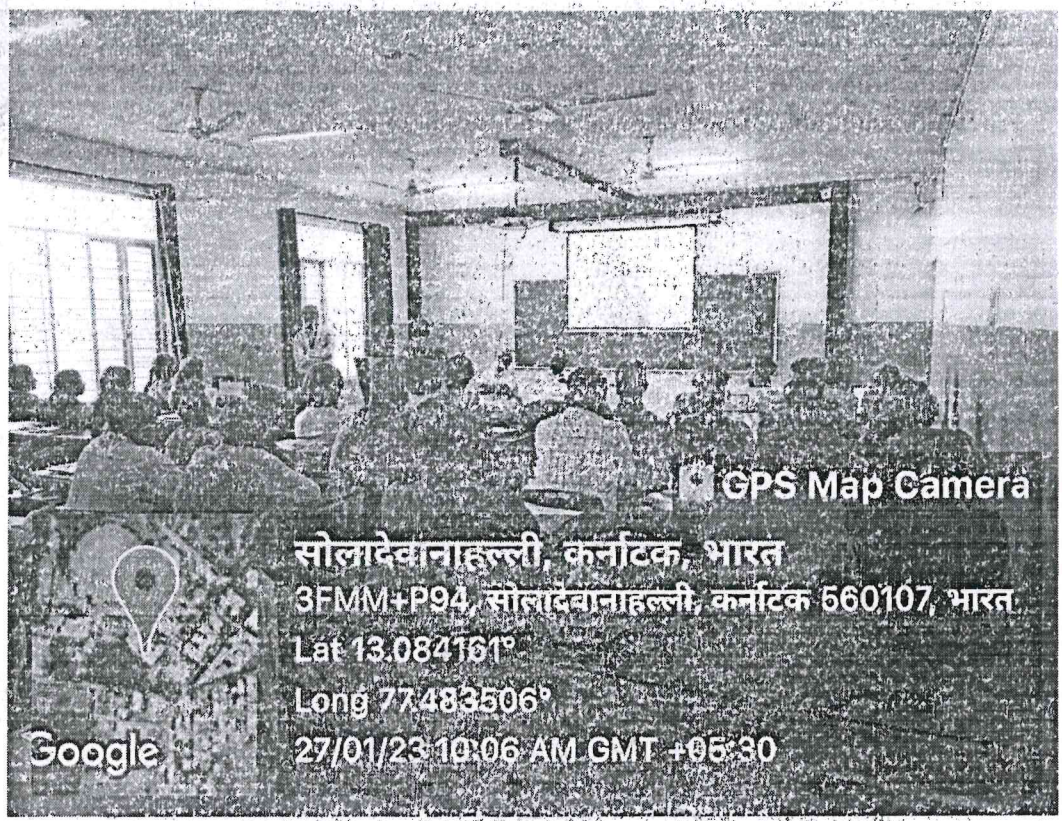




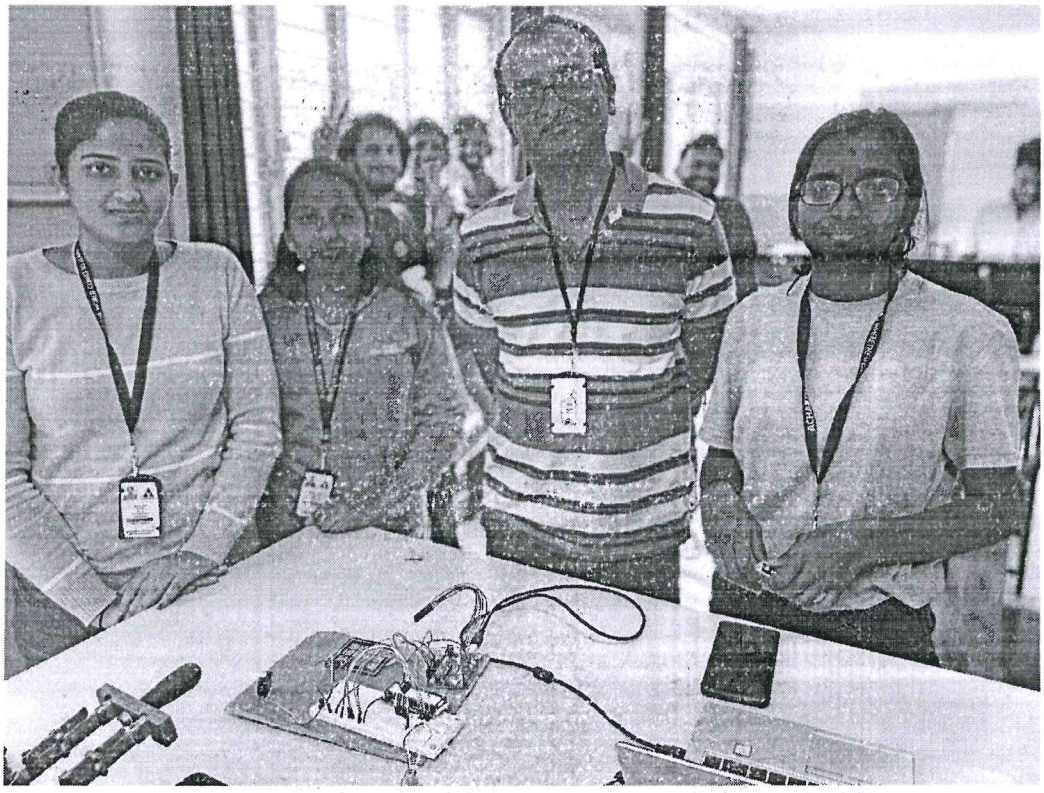
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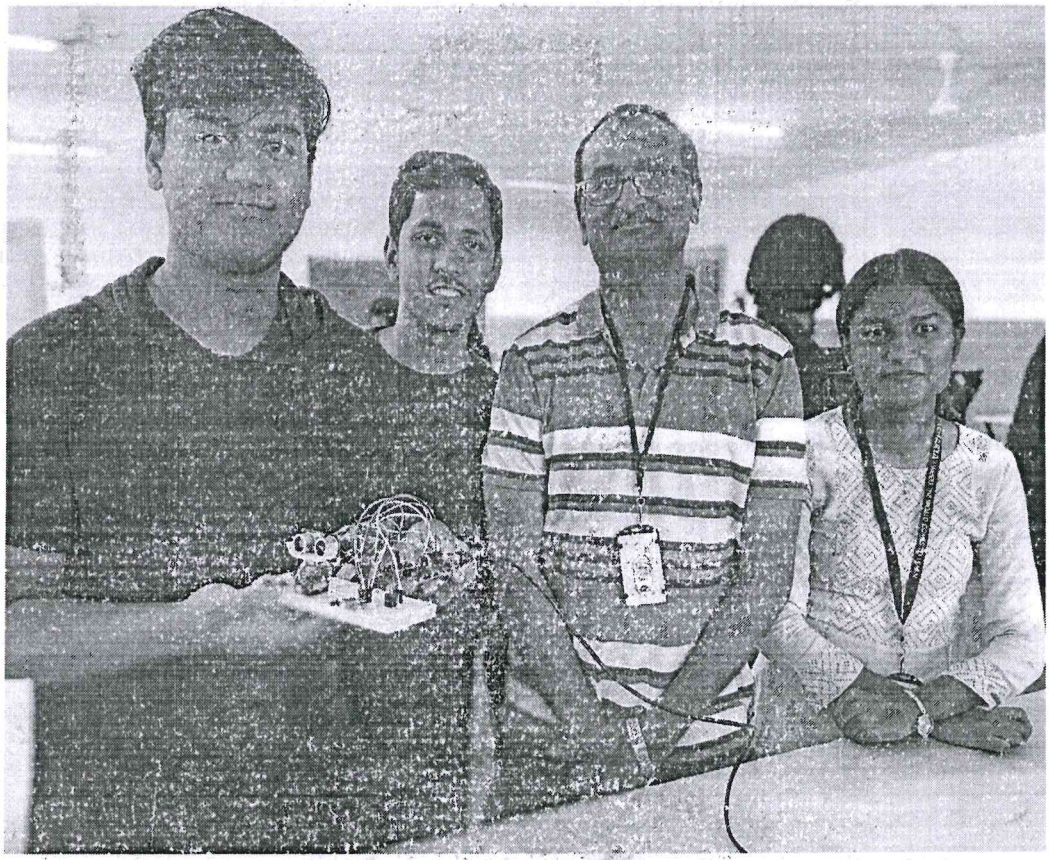
3. Photos of the Event:





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4. **Outcomes of the workshop**

The Students will be able to

- Build Real time projects using Arduino
- Build IOT projects with the Raspberry Pi
- Talk to sensors with the Raspberry Pi and Arduino

5. **Mapping of Program outcomes (PO's) and Program specific outcomes (PSO's) to workshop**

Event	Program Outcomes (PO's)												Program Specific Outcomes (PSO's)		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
Workshop	2	1	2	-	3	-	-	-	3	2	1	2	-	3	

Coordinators

1. Lakshmikanth Reddy, Asst. Professor , EEE
2. Dayananda. L.N, Asst. Professor, EEE

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Dr. Prakash. R
HOD, EEE

2020-21.

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Government of Karnataka

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Description of Document	:	Article 37 Note or Memorandum
Description	:	MEMORANDUM OF UNDERSTANDING
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For Sri Maheshwaramma Credit Co-operative Society Ltd

Authorised Signatory

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is entered into on 18th day of December 2020 (the "Effective Date," which shall be the date on which this MOU is fully executed (hereinafter referred to as Effective date), by and between the Acharya Institute of Technology (hereafter referred to as "AIT"), located in Bangalore, India and **AI Edge Innovations Pvt Ltd,** located in Bangalore (hereafter referred to as "AI Edge"), located in Bangalore, India.

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18/12/2020

18/12/2020

AIT and AI Edge are hereafter collectively referred to as the "Parties." It is hereby specifically agreed to between both the parties, that this is a broad based general agreement.

Since the areas of research relevant to the study to be taken up are multidisciplinary the following branch will take part in the research and will hence form part of this MOU.-

Aeronautical Engineering, Acharya Institute of Technology

The Annexures so prepared subsequently would form part and parcel of this agreement. This MOU serves as an institutional framework for collaborative activities. Specific agreements would need to be drafted by the parties in the case that the exploration of these areas leads to further developments. These agreements would need to be approved by authorities at each institution. Nothing in this MOU shall be construed as creating any legal relationship between the parties.

Purpose

The purpose of this Memorandum of Understanding (MOU) is to define the frame work of engagement between the two organizations, which will facilitate exchange of knowledge and resources for mutual benefit.

2.0 Organization Profiles

Acharya Institute of Technology is affiliated to Visvesvaraya Technological University (VTU), Belagavi, is approved by All India Council for Technical Education (AICTE), New Delhi, Government of India and Accredited by National Board of Accreditation (NBA).

Acharya Institute of Technology is committed to excellence in teaching, learning, research, and developing professionals in many disciplines, who make a difference globally. Acharya faculties are not only involved in teaching but they also pursue rigorous research to push the boundaries of human knowledge. For the students who are motivated to pursue their academic research and take up the biggest challenges of the 21st century, Acharya Institute of Technology is the ultimate destination. Located in the south Indian city 'Bangalore', known as " The Silicon Valley of India". Acharya Institute of Technology was established in the year 2000 and offers 13 undergraduate prgrammes, 11 postgraduate programmes and 11 research programmes. The diverse academic programmes attract nearly 5000 students from 60+ countries as well as from all parts of India. Acharya prides itself of having a large notable alumnus from around the world.

AI Edge is the next generation AI Technology driven company that enables our customers to broaden their reach and enable them to execute complex projects by providing end-to-end solutions. Our strong team with core values of trust, integrity and excellence have enabled multitude of projects in the area of Artificial Intelligence, Machine Learning, Deep Learning and IIOT Solutions and their integration on AI EDGE Devices like FPGA, SoC, ARM, GPU and TPU.

SCOPE

Both the organizations agree to share their respective R&D facilities in order to promote academic and research interaction.

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There will be provision for mutual sharing of experts from **"AI Edge"** and resource persons from **"AIT"**.

The students from the department of Aeronautical Engineering, **AIT** shall be encouraged to be trained by **AI Edge** in the area of Artificial Intelligence, Machine Learning, Deep Learning and IIOT Solutions.

Training, Internships and Project

AI Edge agrees to provide training, internships and project to students in areas of aerospace and allied fields. This helps in motivating the students, understanding industry environment and practices, job profiles and projects they can undertake. This would foster a healthy academic environment for overall learning of AI for future.

Intellectual Property, Confidentiality and Non-Disclosure

Both parties recognize, accept and agree that all tangible and intangible information obtained or disclosed to the other party or its staff or employees including all details, documents, patient information an particulars and trade secrets (all of which are hereinafter referred to as confidential and / or proprietary information) of such party which may be communicated to other party, its staff / employees who may be privy under or pursuant to this contract and/or in the course of performance of such party's obligations under this contract shall be treated as absolutely confidential and the other party agrees and undertakes to ensure that it and all its staff employees shall keep the same as secret and confidential and shall not disclose the same, at all in whole or in part to any person at any purpose other than as may be necessary for due performance of the party's obligations herein and only for the benefit of the other party.

Both Parties understand that financial arrangements under this MOU would have to be negotiated and would depend on specific activities and the availability of funds. Any expense incurred by either party would be subject to individual agreements on a case-by-case basis. The parties also recognize that intellectual property terms would need to be included in subsequent agreements, as appropriate.

Both parties hereby unconditionally agree and undertake to ensure that they or their staff employees shall not disclose or publish the existence of the terms and conditions of this contract or any information relating to it or other business which they may come across of performing their duties unless such disclosure or publication is strictly required by law or by any authority acting under law.

If the outcome of a project results into an intellectual property, for which rights can be secured, both the parties will take up and decide the IP rights, on case to case basis.

3.0 Duration, Amendment and Termination of MOU

This MOU shall be valid for a period of five years from the date of its signing. During the period of the validity, the MOU can be amended any time by mutual consent of both the parties in writing. The MOU can also be terminated by either party giving the order a written notice of its desire to terminate the MOU by giving three months notice in advance. In the event of such

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termination both the parties shall cooperate in good spirit for the completion of the ongoing researchers.

4.0 Dispute Resolution and Governing Law

The dispute or issue if any arising out of or touching this Agreement if not resolved amicably shall be referred to an arbitration of an arbitrator mutually agreed by the parties. In the event parties fail to agree on single arbitrator then each party shall appoint third arbitrator. The arbitration will be held in Bangalore. The language of the arbitration shall be in English.

In witness whereof of the two parties have signed this memorandum of understanding by the hand of, on behalf of **AIT** and by the hand of behalf of **AI Edge** on the date, month and year referred to above.

18/12/2020

Principal, AIT

Senior Manager, AI Edge

Witnessed by:-

1. Dr. S K Maharana, Head, Aeronautical Engineering, AIT. 18-12-2020
2. Mr. Shishir N V, Manager, AI Edge.

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ACHARYA

ACHARYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF AERONAUTICAL ENGINEERING
BENGALURU - 560107

Event Name: Hands-on training: Advanced Ansys-Workbench
Date: 28/11/2021, 5/12/2021, 12/12/2021, 19/12/2021 & 26/12/2021
No. of participants: 90
Resource Person: Dr. C Hemanth, Technical Specialist, AI Edge Innovation Pvt Ltd
Objectives:

- Enable students to proficiently use advanced features of ANSYS Workbench.
- Develop skills in performing complex simulations relevant to aeronautical engineering.
- Enhance problem-solving abilities through hands-on exercises and real-world applications.
- Teach optimization techniques for improving design and performance.
- Encourage collaborative learning and application of ANSYS tools in aeronautical projects.

Sl.No.	Outcomes of the event	POs Mapped	PSOs Mapped
1	Students developed advanced skills in using ANSYS Workbench for complex simulations.	1,3	1,2
2	Training was tailored to address specific needs and challenges in aeronautical engineering.	3,4,5	
3	Participants enhanced their problem-solving skills through practical exercises and project work.	4,5	
4	The training encouraged teamwork and collaboration, preparing students for professional environments.	5	

Report:

The 5-day hands-on training in Advanced ANSYS Workbench for our Students was a comprehensive program that equipped participants with advanced simulation and analysis skills. Through structured lessons, practical exercises, and project-based learning, students gained the expertise required to tackle complex engineering problems and improve aeronautical designs using ANSYS Workbench. The training fostered an environment of collaborative learning and practical application, preparing students for future challenges in the field of aeronautical engineering.

The resource person Mr. C Hemanth, technical Specialist, AI Edge Innovations Pvt Ltd. made the event all the more fruitful by discussing current industrial problems and their solutions.

The Workshop was organized under the guidance of Dr. S K Maharana and was effectuated by Prof. Swetha S, Prof. Steffi Thangachan and Prof. Mahantayya K H.

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DEPARTMENT OF AERONAUTICAL ENGINEERING
BENGALURU - 560107

Workshop Schedule	Session 1	Session 2
Day 1: Introduction and Advanced Geometry Creation	• Introduction to Advanced ANSYS Workbench: • Advanced Geometry Creation:	• Importing and Cleaning CAD Models: • Techniques for importing and cleaning CAD models. • Hands-on exercise: Importing and preparing CAD models for analysis.
Day 2: Advanced Meshing Techniques	• Introduction to advanced meshing techniques. • Hands-on practice: Creating structured and unstructured meshes.	• Evaluating and improving mesh quality. • Practical exercises on mesh optimization.
Day 3: Complex Simulations and Boundary Conditions	• Setting up thermal and structural simulations. • Applying boundary conditions and loads.	• Introduction to CFD simulations in ANSYS. • Hands-on practice: Setting up and running CFD simulations for aeronautical applications.
Day 4: Multiphysics and Optimization	• Introduction to multiphysics analysis. • Coupling different types of simulations (thermal-structural, fluid-thermal).	• Techniques for design optimization. • Hands-on practice: Applying optimization techniques to improve aeronautical designs.
Day 5: Project Work and Final Assessment	• Explanation of the final project requirements. • Group formation and project planning.	• Hands-on project work with instructor support. • Peer collaboration and feedback.

Thank you!!!

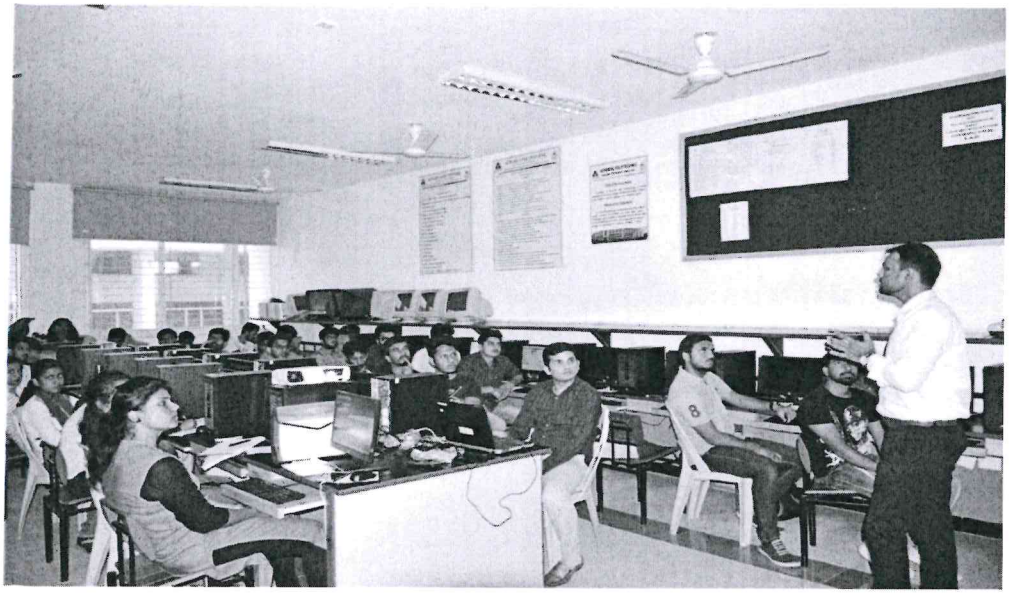
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DEPARTMENT OF AERONAUTICAL ENGINEERING

BENGALURU - 560107

Event Name: Digital Aerodynamics: Software Skills for Aerospace Engineers
Date: 13/03/2023 to 17/03/2023
No. of participants: 54
Resource Person: Dr. Pramod Kumar Naik, Founder & Director, AI Edge Innovations Pvt Ltd.
Objectives:

- To provide hands-on experience with industry-standard aerodynamics simulation software.
- To bridge the gap between theoretical knowledge and practical application in digital aerodynamics.
- To prepare students for the software demands of the aerospace industry.

Sl.No.	Outcomes of the event	POs Mapped	PSOs Mapped
1	Practical knowledge of CFD and its applications in aerodynamics	3,4	1,2
2	Hands-on experience with industry-standard software tools.	3,4	
3	Enhanced understanding of the integration of digital aerodynamics in aerospace engineering	2,3	
4	Improved skills in setting up, running, and analyzing CFD simulations	4	

Report:

The "Digital Aerodynamics: Software Skills for Aerospace Engineers" workshop was conducted over five days from 13/03/2023 to 17/03/2023. This workshop was specifically designed for final-year aerospace engineering students to enhance their software skills and practical knowledge in digital aerodynamics. The event was organized by the Department of aeronautical engineering The workshop was divided into five sessions, each focusing on different aspects of digital aerodynamics and associated software tools.

Workshop Schedule	Session 1	Session 2
Day 1: Introduction to Digital Aerodynamics and Software Overview	• Inauguration and welcome speech by the Head of the Department. • Introduction to digital aerodynamics: Importance and applications. • Overview of the workshop schedule and objectives.	• Introduction to computational fluid dynamics (CFD). • Overview of software tools: ANSYS Fluent, OpenFOAM, and MATLAB. • Installation and setup of software.

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Day 2: Basics of CFD and Simulation Setup	• Fundamentals of CFD: Governing equations and numerical methods. • Introduction to the CFD workflow. • Hands-on session: Setting up a basic simulation in ANSYS Fluent.	• Meshing techniques and best practices. • Hands-on session: Meshing a simple geometry using ANSYS Meshing
Day 3: Advanced CFD Techniques and Post-Processing	• Turbulence modeling and its importance in aerodynamics simulations. • Boundary conditions and solver settings. • Hands-on session: Running a turbulent flow simulation.	• Post-processing techniques using ANSYS Fluent • Visualization of results: Streamlines, pressure contours, and velocity vectors. • Hands-on session: Analyzing and interpreting simulation results.
Day 4: Application of CFD in Aerospace Engineering	• Case studies: Application of CFD in aircraft design and analysis. • Guest lecture: Industry expert discussing real-world applications. • Hands-on session: Simulating flow over an airfoil.	• Advanced topics: Multiphase flow, heat transfer, and combustion modeling. • Hands-on session: Setting up and running an advanced simulation.
Day 5: Integration of CFD with Other Tools and Project Work	• Integration of CFD with structural analysis tools. • Introduction to MATLAB for aerodynamics applications. • Hands-on session: Coupling ANSYS Fluent with ANSYS Mechanical.	• Group project: Simulating and analyzing a complex aerospace component. • Presentation of project results by student groups. • Feedback session and distribution of certificates

Thank you!!!

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Event Name: STTP on "MATLab and Simulink for Aeronautical Engineers
Date: 18/12/2023 to 22/12/2023
No. of participants: 49
Resource Person : Dr. C Hemanth, Technical Specialist, AI Edge Innovation Pvt Ltd
Objectives:

- To introduce students to MATLAB and Simulink software tools.
- To provide hands-on experience with modelling, simulation, and analysis using MATLAB and Simulink.
- To demonstrate the application of these tools in solving aeronautical engineering problems.
- To enhance students' ability to design and simulate aeronautical systems.

Sl.No.	Outcomes of the event	POs Mapped	PSOs Mapped
1	Acquire the knowledge of modern tools/ methodologies/technologies.	1,2,3,4,5	1,2,3,4
2	Proficient use of MATLAB and Simulink for aeronautical engineering applications	7	
3	Ability to model, simulate, and analyze aeronautical systems	4	
4	Enhanced problem-solving skills using computational tools	5	
5	Communicate clearly both the problem and solution in a diverse work culture.	10,12	

Report:

The Short Term Training Program (STTP) on "MATLAB and Simulink for Aeronautical Engineers" was conducted over five days, from 18/12/2023 to 22/12/2023. The program aimed to equip final year aeronautical engineering students with advanced skills in MATLAB and Simulink, focusing on their applications in the aeronautical field. The five-day STTP on "MATLAB and Simulink for Aeronautical Engineers" provided final year students with essential skills and knowledge in these powerful tools. The program successfully achieved its objectives, offering a blend of theoretical instruction and practical application. Students were able to enhance their understanding and capabilities in modelling, simulating, and analyzing aeronautical systems, preparing them for future challenges in their careers.

Workshop Schedule	Session 1	Session 2
Day 1: Introduction to MATLAB and Simulink	• Registration and Inauguration • Overview of MATLAB: Basics and Interface • Basic operations and functions in MATLAB	• Introduction to Simulink: Basics and Interface • Creating simple models in Simulink • Hands-on practice: Basic simulations

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Day 2: Advanced MATLAB Techniques	• Advanced MATLAB functions and toolboxes • Data analysis and visualization • Script and function creation	• Case study: Solving an aeronautical problem using MATLAB • Group activity: Developing MATLAB scripts for specific tasks • Discussion and Q&A
Day 3: Simulink Modeling and Simulation	• Advanced Simulink features and toolboxes • Building complex models in Simulink	• Simulating aeronautical systems using Simulink • Hands-on practice: Developing and simulating a flight dynamics model • Group discussions and troubleshooting
Day 4: Integrating MATLAB and Simulink	• Combining MATLAB scripts with Simulink models • Real-time simulation and control systems	• Group activity: Integrating MATLAB and Simulink for a comprehensive project • Simulation and analysis of the project • Presentation of group projects
Day 5: Applications and Advanced Topics	• Exploring specialized toolboxes for aeronautical engineering • Case studies on aeronautical applications	• Final project presentations and evaluations • Feedback session • Valedictory function and certificate distribution

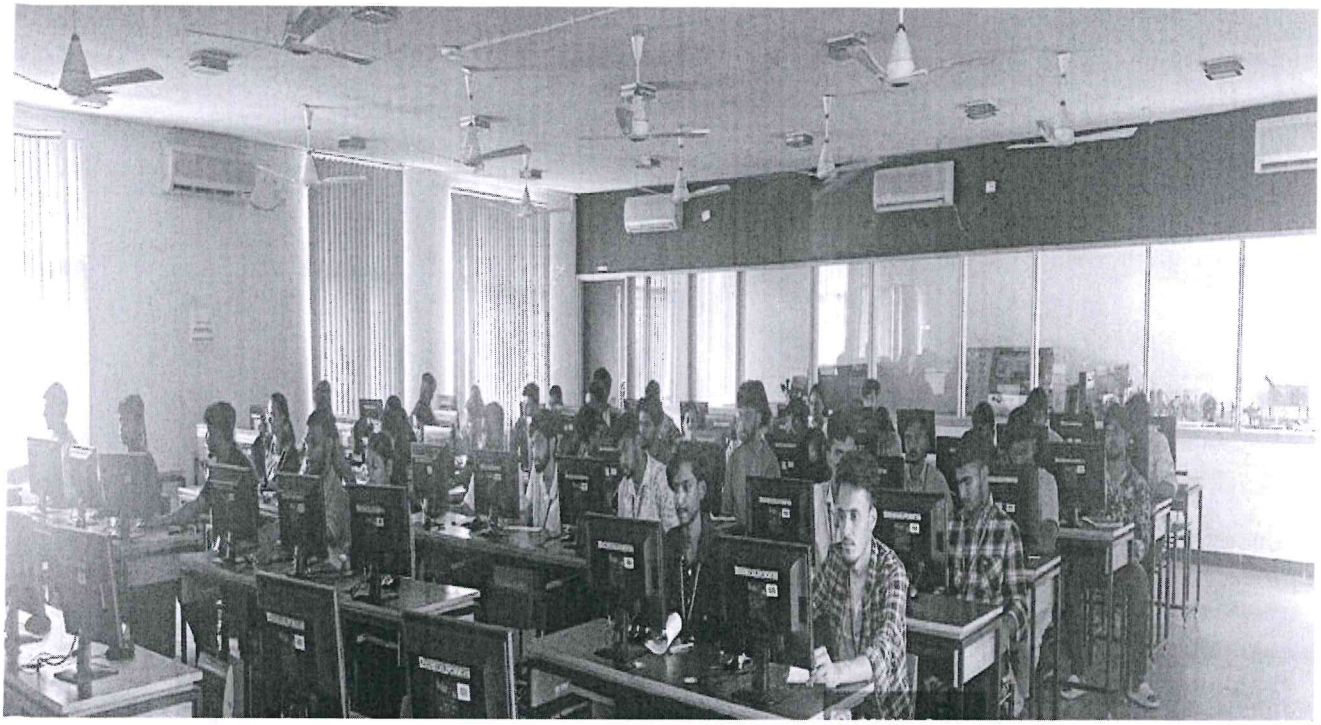
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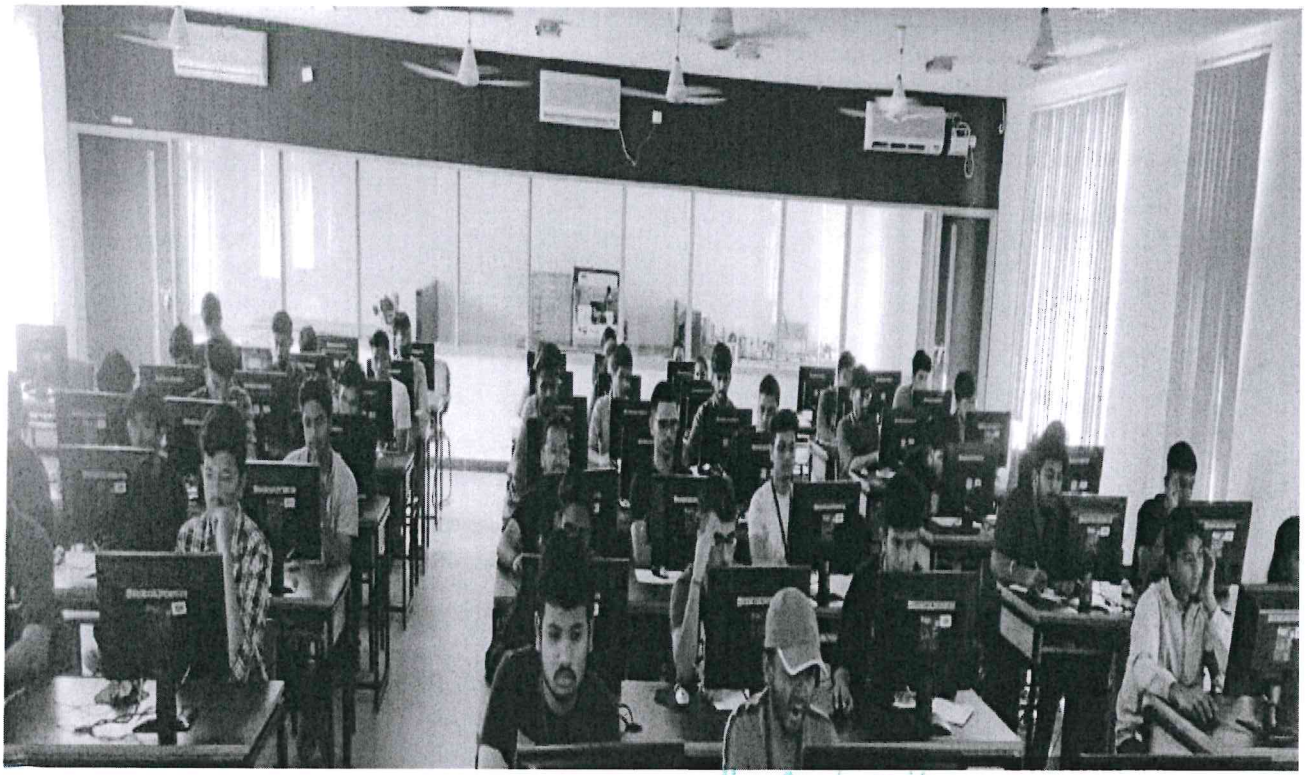
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Event Name: Skill development program on Demonstration of IoT for Aerospace applications

Date: 26/02/2022 & 27/02/2022, 05/03/2022 & 06/03/2022, 12/03/2022 & 13/03/2022

No. of participants: 52

Resource Person: Dr. Pramod Kumar Naik, Founder & Director, AI Edge Innovations Pvt Ltd

Objectives:

- Familiarize students with the fundamentals of the Internet of Things (IoT) and its components.
- Demonstrate how IoT can be applied specifically within the aerospace industry.
- Provide practical experience with IoT devices, sensors, and data analysis.
- Enhance students' technical skills in programming, sensor integration, and data management.
- Encourage innovative thinking and problem-solving skills through IoT projects relevant to aerospace.

Sl.No.	Outcomes of the event	POs Mapped	PSOs Mapped
1	Fundamental Understanding of IoT	1	1,3
2	The practical applications and benefits of IoT in the aerospace industry.	2,3	
3	The program encouraged innovative thinking and problem-solving through real-world IoT projects	4,5	
4	Enhanced their skills in programming, sensor integration, and data management.	5	

Report:

The 6-day Skill Development Program on Demonstration of IoT for Aerospace Applications successfully introduced aeronautical students to the world of IoT and its potential in the aerospace industry. Through a combination of theoretical knowledge, hands-on exercises, and project-based learning, students developed the technical skills and innovative mindset needed to leverage IoT technologies in their future careers. The program fostered a collaborative learning environment, preparing students to tackle the challenges and opportunities of integrating IoT in aerospace applications.

The resource person Dr. Pramod Kumar Naik, an IBM and Simplilearn Certified Artificial Intelligence Engineer and a Data Scientist by profession, made the workshop all the more fruitful by discussing and demonstrating a couple of current industrial problems in the field of Aerospace.

The Workshop was organized under the guidance of Dr. S K Maharana and was effectuated by the "UDAAN" Aero Club Coordinators Prof. Prashant and Prof. Akash S.

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Workshop Schedule	Session 1	Session 2
Day 1: Introduction to IoT and Basic Concepts	• Introduction to the program's objectives and schedule. • Importance of IoT in aerospace.	• Basic concepts and components of IoT. • Overview of IoT architecture and protocols.
Day 2: IoT in Aerospace	• Real-world examples of IoT applications in aerospace engineering. • Benefits and challenges of implementing IoT in aerospace.	• In-depth analysis of successful IoT implementations in the aerospace industry. • Group discussion on potential IoT applications in aeronautical engineering.
Day 3: Programming and Data Management	• Overview of programming languages used in IoT (e.g., Python, C). • Writing simple programs to collect and transmit data from sensors.	• Techniques for managing and analyzing IoT data. • Hands-on practice with data visualization tools.
Day 4: Sensor Integration and Communication	• Integrating various sensors with IoT devices. • Practical exercises on sensor calibration and data collection.	• Overview of communication protocols (e.g., MQTT, HTTP, CoAP). • Implementing communication between IoT devices and cloud platforms.
Day 5: IoT Project Development	• Explanation of the final project requirements. • Group formation and brainstorming of project ideas.	• Hands-on project work with instructor support. • Integration of IoT devices, sensors, and data management techniques.
Day 6: Project Presentations and Conclusion	• Finalizing projects and preparing presentations. • Testing and troubleshooting IoT setups.	• Groups present their IoT projects and findings. • Instructor and peer feedback.

Thank you!!!

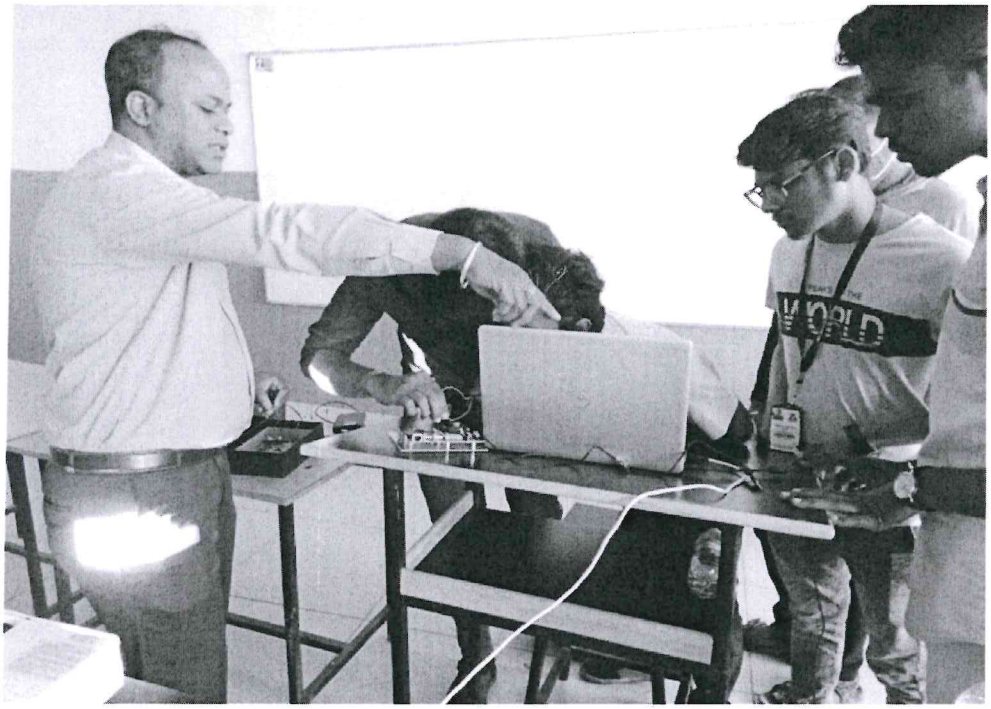
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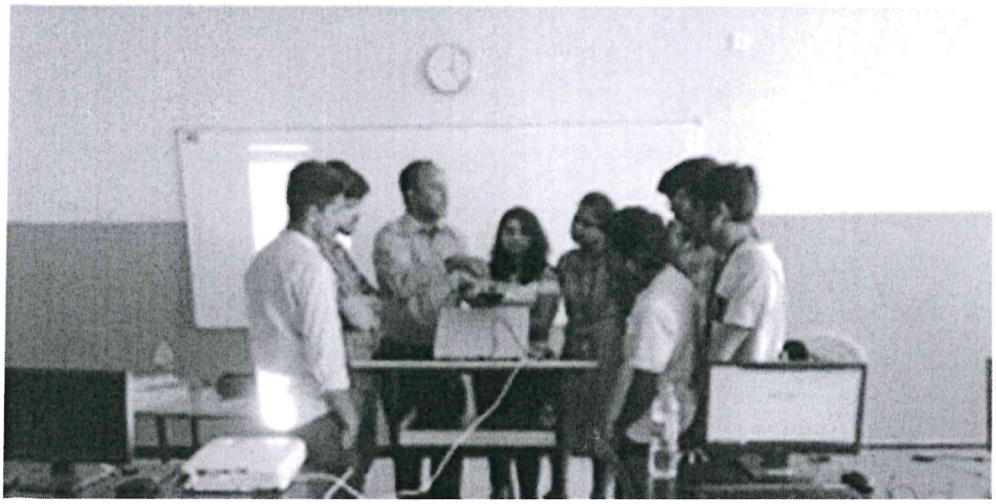
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202021.

AIT ENTERS INTO AN MOU WITH DURGA INDIA TRUST

Durga India (Registered Trust) and Acharya Institute of Technology have signed an MOU on 3rd March 2021 to collaborate based on AICTE Activity points.

The signatories to this MOU were Dr.Prakash M.R Principal, AIT and Mrs. Priya Varadarajan, Founder, Managing Trustee Durga India and witnessed by Mr.Iqbal Ahmed, Dy.Director, Dr Mahesh S.S, AICTE Activity point Incharge, Ms Nagapushpa K.P, Assistant professor, Department of ECE, Dr Renuka Devi, Administrative Officer from AIT and Monika Rajashekar, Architect of Safe Spaces & Margaret Johnson, Youth Engagement Strategist, both from Durga India.

As a part of the MOU Durga India and Acharya Institute of Technology will execute joint projects programs interventions of mutual interest to enable youth to understand, ideate and innovate on the different topic based on the AICTE Activity points (the 'identified projects')



Exchange of MOU between AIT and Durga India Trust.

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Government of Karnataka

e-Stamp

Certificate No.	:	IN-KA64499638049346T
Certificate Issued Date	:	02-Mar-2021 05:11 PM
Account Reference	:	NONACC (FI)/ kacrsfl08/ BANGALORE10/ KA-BA
Unique Doc Reference	:	SUBIN-KAKACRSFL08057279943516 80T
Purchased by	:	ACHARYA INSTITUTE OF TECHNOLOGY
Description of Document	:	Article 12 Bond
Description	:	MOU
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	ACHARYA INSTITUTE OF TECHNOLOGY
Second Party	:	I M EVERY WOMAN DURGA INDIA
Stamp Duty Paid By	:	ACHARYA INSTITUTE OF TECHNOLOGY
Stamp Duty Amount(Rs.)	:	100 (One Hundred only)

Please write or type below this line

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (the 'Agreement') was made and entered into on this 1st day of March 2021 by and between

I'm Every Woman, a Trust registered under Trust Act having its Principal office registered office at No 405 B Block, Amarjyothi Apartments, Kanakapura Road, Jayanagar IV Block, Bangalore 560082 (hereinafter referred to as **"DURGA INDIA")**

Statutory Alert:
1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

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AND

Acharya Institute of Technology (hereinafter referred to as "AIT"), **having its registered** office at Acharya Dr. Sarvepalli Radhakrishnan Road, Acharya PO, Soladevanahalli, Bangalore - 560 107.

(Durga India and AIT shall thereafter collectively be referred to as the "parties" and individually as 'party/each party/either party **wherever** context permits).

RECITALS:

A. The Parties have agreed to enter into this Agreement on non-exclusive basis with a purpose of entering into a strategic association wherein the parties may identify, acquire and execute joint projects/programs/interventions of mutual interest to enable youth to understand, ideate and innovate on the topic of women safety, gender equality and equity (the 'identified projects') and thereby protect, support and empower survivors of such exploitation and abuse, especially women and children.

NOW THEREFORE IN CONSIDERATION OF THE MUTUAL COVENANTS AND PROMISES MADE HEREINAFTER THE PARTIES HERETO AGREE AS FOLLOWS:

1: OBJECTIVE OF STRATEGIC ALLIANCE

The aim and objective of this strategic association between the parties is to look for identified projects pertaining to common objectives and thereafter acquire and execute such identified projects by pooling their resources and expertise.

2: TERRITORY

The rights and obligations contained herein shall relate to the territorial limits of the Republic of India. Thus, the parties shall be free to acquire and execute joint identified projects anywhere in India without restrictions of geographical limits of state/s.

3: ROLES AND RESPONSIBILITIES

The parties agree to perform under this agreement and discharge their responsibilities as per 'Roles and Responsibilities of Parties' given below:

Durga's Responsibilities:

1) Durga India will act as an execution / Co-execution partner as per requirement of the identified project/s;
2) Durga India will be anchoring 5 projects within the Campus which will be focusing on achieving the AICTE points for the students
3) Durga India will be responsible for identifying 50 Durga champions who will act as anchors for the project
4) Durga India will be responsible for fortnightly capacity building for the Durga Champions

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parties mutually decide to work together in respect of any identified project, then project specific roles and responsibilities will be discussed for efficient execution and to avoid any gap or misunderstandings. This being a non-exclusive arrangement, the parties shall be free to enter into similar agreement with other interested parties in the territory. However, relationships between the parties shall be exclusive in respect of any and all identified projects.

4: COPYRIGHT, PATENTS AND OTHER PROPRIETARY RIGHTS

4.1 All copyrights, patents and other intellectual property rights over existing materials (proprietary materials already in existence prior to execution of this agreement) and other materials of AIT or Durga India shall not be developed in connection with this agreement with joint effort and contribution of parties shall remain the exclusive property of AIT and Durga India and neither party shall challenge such ownership in any manner whatsoever.

4.2 All copyrights, patents and other intellectual property in the manuscripts, records, reports and other materials, except for the existing materials publicly or privately owned, developed or prepared in the course of this agreement with joint effort and contribution, shall remain joint property of the parties. Each party shall have right to use joint intellectual property for their own use, however commercial exploitation/or further grant-based use of joint intellectual property shall be permissible only with mutual consent of the parties.

5: TERM OF THE AGREEMENT

This agreement will remain valid for a period of three year commencing from 1st day of March, 2021, unless terminated earlier pursuant to the provision contained under clause 6 herein. The parties with their mutual consent can extend the validity of this agreement for such period and upon such terms as may be mutually agreed from time to time.

6: TERMINATION AND EFFECT

6.1 This agreement can be terminated before expiry of tenure in the following manner:

A. Forthwith by mutual consent in writing or in case either party commits breach which by nature cannot be cured, within five (5) working days

B. By either party upon giving a one-month (30 calendar days) notice in writing to the other party without assigning any reason.

6.2 Post termination or expiry, either Party shall not directly or indirectly identity itself in any manner as a party involved in Business with the other Party. In particular but without prejudice to the foregoing generality, neither Party shall use any of other Party's Trade Marks, Trade Names, Signs, Symbols, Designs, Devices, Insignia, copyrighted material or other distinctive materials, or any deceptively and confusingly similar Trademarks, Trade Names, Signs, Symbols, Devices, Insignia or other distinctive materials.

6.3 Notwithstanding termination for any reason whatsoever or expiry of the agreement, the parties will continue to discharge their respective responsibilities to serve all ongoing execution of identified projects pursuant to this agreement till completion. However, no fresh identified project shall be undertaken by the parties after serving termination notice by either party.

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5) Durga India will be responsible for hosting events and campaigns within and around the campus for raising awareness on Women Safety and deterrence of Sexual Harassment
6) Durga India will be evaluating the needle shift thinking in the students during and after the project is implemented.

AIT's Responsibilities:

1) AIT will act as an institutional partner of Durga India, in order to integrate the projects specified by Durga India
2) AIT will work together with Durga India to set up a physical room for activities within the campus which will be anchored by the students of the institution.
3) AIT will work together with Durga India to execute mutually identified projects within specific communities and geographical areas
4) AIT would nominate one SPOC for coordinating all the activities with Durga India.

List of projects identified:

1) **Durga Workshop** - Conducting the workshop and training the volunteers to conduct this workshop within the campus for other students. This project will entail identifying villages around the campus vicinity and creating types of village intervention
2) **Voice Out** - Creating awareness on cyberbullying and cyber harassment. This project would be focused on understanding appropriate and inappropriate behavior in virtual spaces
3) **Voice Lab** - This project will be responsible for creating a physical space within the campus that would act as an anchor in the college campus. The Durga Champions would be the core team that would head the Voice Lab
4) **Durga in every child** - The students would be trained on the school curriculum and will be conducting the same in the schools around the institute
5) **DARE** - Durga's are Real heroes Everywhere is a program that would aim at creating Active Bystanders. This initiative will focus on 21-day engagement with the street vendors and shopkeepers and help them integrate technology in their business.

At the end of each project, the students will be more cognizant of the issue and will be equipped to take care of their own safety. Students will also be expected to write a detailed report which will be submitted to the college and Durga India. This document will be evaluated by Durga India and AIT's NSS / Youth Red Cross co-ordinators/ Chairperson (CICC)/ SAGY (Sansad Adarsh Gram Yojana of GOI) of the Institute /Mentor.

Detailed activities can be found in **Annexure I** which will form part of this document.

There will be a mutually agreed schedule and timeline for the execution of the above-mentioned projects. Time to time, the parties may jointly agree to add more projects for execution within the said timeline of this agreement. The parties undertake to work diligently and co-operate with each other in order to attain true objectives of their strategic association envisaged herein. Once the

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shall ensure that no non-compliance is committed. Neither Party shall be held liable for the breach of laws and non-compliances by the other Party.

9.4: Waiver The failure of either Party to exercise any right, power or option given to it hereunder, or to insist upon strict compliance with the terms hereof by the other Party shall not constitute a waiver of the terms and conditions of this Agreement with respect to any other or subsequent breach thereof, nor a waiver by the other Party of its rights at any time thereafter to require strict compliance with all the terms thereof. The rights or remedies hereunder are cumulative to any other rights or remedies which may be granted by law.

9.5: Severability In the event that any provision of this Agreement, or any portion thereof, shall be held invalid, illegal or unenforceable under Applicable Law, such defect shall not vitiate the other provisions of the Agreement and the remainder of the Agreement shall continue to be legal, valid, effectual and binding on both the Parties hereto.

9.6: Notices Any notice to be given hereunder shall be in writing and shall be deemed to have been duly served if sent by prepaid recorded delivery post addressed to the party to be served at its above written address or by email to the registered email address/ID.

9.7: No Agency That either Party shall not be nor shall be deemed to be an agent, legal representative, subsidiary, joint venture or employee of the other Party as a result of this Agreement. Both Parties shall make every effort to ensure that no impression is created to anyone of the existence of any such relationship with the other Party with the public at large.

9.8: Non-Solicitation AIT shall not employ any staff of the Durga India engaged and involved in the performance of this agreement during the period of this agreement and for a further period of 6 months from expiry or termination thereof. Similarly, Durga India shall also not employ any staff employee of AIT during the continuance of this Agreement and for a further period of one year from the expiry or termination of this Agreement for any reason whatsoever

9.9: Commercials and Expenses: No commercials involved whatsoever for the activities. However, actual expenses involved by the members of Durga India for execution of the above projects, would be reimbursed by AIT. AIT would also allocate a small budget to take care of marketing and other expenses.

10: FORCE MAJEURE

If the performance of this agreement or of any obligation of either party is prevented, restricted or interfered with by reason of fire, explosion, strike, casually or accident, epidemic, cyclone, earthquake, flood or war, revolution, or requirement of any government or any subdivision, authority or representative of any such government, or any other act whatsoever, whether similar or dissimilar to those enumerated, beyond the reasonable control of any or both of the parties hereto, the party so affected, upon giving prompt notice to the other party shall be excused from

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7: CONFIDENTIALITY

7.1 All information, documents, data, records, software, files etc. (whether technical, financial or commercial including customer information) in any form, media, whether electronic, digital or optic, communicated/supplied by either party to the other party or acquired during the course of association (hereinafter referred to as "Confidential Information"), shall be deemed to be confidential or proprietary in nature. The Confidential Information shall be held in utmost secrecy, strictest confidence and trust by the receiving party.

7.2 Both parties agree not to directly or indirectly use or permit the use, divulge or disclose such Confidential Information to any third party for any purpose other than for carrying out the obligations under this agreement or statutorily required to be disclosed.

8: INDEMNITY

8.1 Each Party ("Defaulting Party") shall indemnify, defend and hold harmless (i) the other party (ii) each of other party's Affiliates, assigns and successors in interest, as the case may be; and (iii) each of the respective directors and officers of other party from and against any and all losses which may be incurred or suffered by any such party and which may arise out of or result from

A. breach of any obligations or covenants of defaulting Party as contained in this Agreement;
B. acts, omissions in breach of the terms and conditions of this Agreement;
C. Breach of any laws or regulations applicable to the defaulting Party;
D. any third-party claims made for loss or damage of whatever description caused to such or any other third party as a result of the activities of the defaulting party; and
E. any and all actions, suits, proceedings, claims, judgments, costs, expenses, incurred in enforcing this indemnity.

9: MISCELLANEOUS / GENERAL CONDITIONS

9.1: Interpretation The recitals are incorporated in and made a part of this Agreement. Titles of Articles, Sections, Clauses and paragraphs are used for convenience only and are not a part of the Text. All terms used in any one gender shall be construed to include any other gender as the context may require. The singular shall be deemed to include the plural and the plural shall be deemed to refer to the singular as the context may require.

9.2: Entire Agreement This Agreement constitutes the entire Agreement between the parties and shall prevail over any other Agreement relating to the subject matter hereof. Both Parties declare that they rely upon no representations, conditions, or warranties on the part of the other Party except as herein contained.

9.3: Compliance with Laws Each Party shall be liable for compliance with all applicable statute, legislation, rules, regulations etc in the territory, while working in terms of this Agreement and

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such performance to the extent of such prevention, restriction or interference for the period it persists, provided that the party so affected shall use its best efforts to avoid or remove such causes of non-performance, if possible, and shall continue performance hereunder with the utmost dispatch whenever such causes are removed.

11: ARBITRATION, JURISDICTION AND GOVERNING LAWS

All claims disputes and differences of whatsoever nature arising out of this Agreement, raised by the either party under this Agreement whether during its term or after expiry thereof or prior termination shall be referred for arbitration by a sole Arbitrator appointed with mutual consent of the parties. The venue/place/seat of the Arbitration shall only be Bengaluru. Arbitration proceedings shall be conducted in English language as per the provisions of the Indian Arbitration and Conciliation Act, 1996 including any statutory modification or reenactment.

The parties agree that only the Courts in the Republic of India situated at Bengaluru shall have jurisdiction to entertain any proceedings related to this Agreement whether during pendency, or after termination. No other Court shall have jurisdiction. This Agreement shall be governed and construed in accordance with the Laws of India.

IN WITNESS WHEREOF THE PARTIES ABOVE NAMED HAVE SIGNED THE ABOVE PRESENTS THE AIT HAVING SIGNED AT BENGALURU AND DURGA INDIA HAVING ACCEPTED AND SIGNED AT BENGALURU IN THE PRESENCE OF THE FOLLOWING WITNESSES:

03/03/24

For Durga India

Priya Varadarajan

Name: Priya Varadarajan

(Authorized Signatory)

For Acharya Institute of Technology

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SOLADEVANAHALLI, BENGALURU - 560107

Name: Dr.M R Prakash
PRINCIPAL, AIT

Witness:

1. Mr. Iqbal Ahmed - Deputy Director, Collaborations
2. Ms.Margaret Johnson, Youth Engagement Strategist

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI

AICTE Activity Point

Report On

DURGA VOICE

Submitted by

M P AJITH BHARADWAJ

USN: 1AY18ME033

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DEPARTMENT OF MECHANICAL ENGINEERING

Acharya Institute of Technology,

Acharya Dr. Sarvapalli Radhakrishnan Road, Bangalore-560 107

2020-2021

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CERTIFICATE



ACHARYA

MULTI-DIMENSIONAL APPROACH TO WOMEN SAFETY

DURGA

Certificate of Completion

This certificate is presented to

M P Ajith Bharadwaj

for completing 80 hours of **AICTE Activities** organized by **Durga India** in collaboration with **Acharya Institute of Technology**, Bengaluru from **16 March - 26 June, 2021**.
We appreciate their work towards Women Safety & creating safer, Gender Equitable spaces. We wish them the best for their future!

Dr. Rajath Hegde M M
Principal, Acharya Institute of Technology

Priya Varadarajan
Founder, Durga India

www.durgaindia.org

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ACKNOWLEDGEMENT

I am grateful to the sanctum of "Acharya Institute of Technology", the temple of learning, for providing an excellent platform to pursue AICTE Activity in a good spirit. I would like to sincerely thank our President **Mr. B.M. Reddy** for encouraging us.

I would like to express our gratitude to our honourable chairman **Mr. B. Premnath Reddy**, Acharya Institutes for all his initiatives and for providing us a congenial atmosphere for study. I would like to thank our beloved **Principal Dr. Prakash M R**, in particular for the excellent facilities provided in the college.

My deep and profound gratitude to **Dr. Attel Manjunath**, our beloved Head, Department of Mechanical Engineering. I am thankful to him for the constant moral support and encouragement extended during AICTE Activity.

My heartfelt thanks to **Mr. Raju MG** Assistant Professor, Department of Mechanical Engineering, for inspirational encouragement and constructive suggestions for the betterment of the AICTE Activity work.

I thank all the teaching and nonteaching staff of our Department of Mechanical Engineering for their constant support. I am thankful to my beloved parents who have motivated and installed confidence in me.

Finally, I am thankful to all those that have helped me directly and indirectly during this work.

M P AJITH BHARADWAJ
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INTRODUCTION

This event was carried out in collaboration with "Durga India".

Durga is a citizen sector organisation, registered as a public charitable trust (80G and 12A), working on a multi-pronged approach towards creating gender equal spaces in India. It comes from the belief that sexual harassment deterrence is most important and can be effective if addressed at the very initial instance. Its core is to bring a shift in thinking among various actors on their role in women safety.

Its multi-pronged approach is quite holistic in the sense that:

Women – They work with women and girls equipping them with life skills to understand behaviour and address inappropriate behaviour in an active, yet non-aggressive way. They become Durgas, as the first policewomen for themselves. They also are able to support others when they are in distress. This is done through workshops with women and girls. They have worked with over 5000 women and girls so far

Communities - They create communities (both offline and online) that become a support system and a 'go-to'for women when they seek support. When a girl has a problem she does not know what to do and who to speak to, resulting in reduced confidence and self-blame. Its community model is very useful for her to become a network for herself as well as the several others like her.

Other Genders - Its work is not restricted to women. It believe that co-existence is compulsory and most naturally enjoyable. It also involves other genders in our work, getting them to involve themselves and show their support and solidarity to women in our struggles towards gender equality. This is done innovatively through involving them in our work proactively, interactions and through campaigns

Safe Spaces - It feel that all the above can be nurtured for each one to play a role well when the spaces we occupy are also nurturing to support our thinking.

The Project's under Durga India of which I was a part of was "Voice out" and "Voice Lab".

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OBJECTIVE OF THE ACTIVITY

The main aim of Voice out was creating awareness on cyberbullying and cyber harassment. This project was more focussed on understanding appropriate and inappropriate behaviour in virtual spaces.

The main aim of voice labs is to create physical space within the campus that would act as an anchor in the college campus.

These Projects had multiple tasks with the objectives as follows

1. To gather Youths Opinion on whether Security issues can be projected with some other way for as to make the issues heard more and more people wanting to help the oppressed.
2. Gather Youths opinion about change.
3. Create an open platform called Open Mic for the event "Emancipation of Women" through Zoom.
4. Review the movie "Snow piercer" and find the hidden meanings to bring out the changes in the society.

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REPORT ON THE ACTIVITY

The event began with collecting Youths Perception towards Gender Exploitation through Google Forms. It included the following questions

1. How can we help survivors of sexual abuse?
2. What do you think about Cyber- Bullying?
3. Why do People not report the Inappropriate Content?
4. What does Feminism mean to you?
5. How do you Prevent Eve Teasing?
6. How do you think Male Sexual harassment is perceived by men?

This form was shared with all the friends and family members. This also gave us an opportunity to open up with friends and create a nonjudgmental space within our network. While some didn't feel comfortable in answering those questions such people's privacy and opinion were respected. Also as some people opened up we got some amazing answers such as for Question number

1. By not talking about it more, Believe in Legal Actions, Public Forums where people could talk about anything, etc.
2. Strict Law and Fast Tracking is necessary, clicking a picture of random person cannot hurt, etc.
3. It's a Time Consuming Process, People aren't interested, People are unaware of cyber bullying, etc.
4. Domination of one gender, putting forward women's rights in view of equality, etc.
5. Telling the survivor to go to police, Confronting the Eve Teaser
6. It should be talked more, there should be some strict rules in this case, etc.

As we got these we were surprised and also was sure people are willing to open up about the incidents that happened to them.

Finishing this task was followed up Youths Opinion about change.
Here we collected about what youth's say about the current situation, what areas require more attention which the Government is neglecting. Here also we got answers related to skill development, Medical, etc.
The next task was Emancipation of women. This was an online open platform developed by the team to help people express their hidden talents. We had opened the registration for that through Google Forms and conducted the event on Zoom. We had an amazing response for the event and had a lot of registrations. Many people were tired sitting at home and many artists missed being on Stages. This event really gave a chance for everyone to express their talents.

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The last event that was conducted was to review the movie "Snow Piercer". In this the movie was shared to us. We saw the movie and found the deep hidden meanings inside it. Also compared the issues
With the ones present in our society. The movie review is as given below.

The Sci-fi movie Snow piercer is a good Movie, the director of the movie illustrates the way that the film exploits the social classes in today's society. It goes on further to critique the conservative ideologies that create an inequality in the distribution of wealth per se, which is demonstrated by the division in the carts on the trains. As the movie states, "the system that governs the giant post-apocalyptic train that is the film's setting benefits a privileged few at the expense of teeming masses who have a much harder lot in life". This is a clear critique of the conservative economic policies as they make the "rich richer and the poor poorer". At the front of the train, the "rich" live lavish lives with sushi, steak, and vast and luxurious living conditions. However, towards the tail end of the train, the poor eat a block of protein that is produced from crushed insects and live in terrible conditions with no space. Personally, I think that the train is a symbolic depiction of society with conservative ideologies and the dangers that this could pose. This goes beyond the previously mentioned message, that the conservative views of economics can cause a huge separation between the upper and lower classes, going on to analyze other hidden messages such as drug use, "worship" of a leader, and ultimately revolt. In the movie, an Asian character who is in jail but was previously part of the lower class, is addicted to a drug called Kroners. He and his daughter use this drug to hallucinate and take them out of their sorrowful lives. This can be seen as a message by the director symbolizing the danger of a society that opens up doors for drug abuse. The poor people, being in horrible conditions with no money often turn to drug abuse and are depicted almost as "junkies" in the film. Yet, when compared to the use of Kroners in the rich carts of the train, it is not given much attention as the rich use UT to hallucinate in party settings. This, once again adding another message in the film, exploiting the clear inequalities that are exposed by a division in social classes.

After watching the movie, as stated in the review found out the real issues that exist in the society and tried to address them.

Thus finishing this, the event came to end achieving all the objectives we had.

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OUTCOME OF THE ACTIVITY

The outcome of the activities were really unique. After collecting the responses we could literally talk about anything without thinking about "What will people say?" This really helped many people open up and some opened up about very sensitive matters that happened had happened in their lives. It helped us to set up a nonjudgmental space within ourselves and surrounding us which helped many people open up about tragic events that they had faced in their lives thereby helping them to reduce the depression. This was really needed for the day especially after Lockdowns and after tragic deaths of some personalities.

While that helped people open up, the second event made people think about the necessary programs required for the people in the current situation.

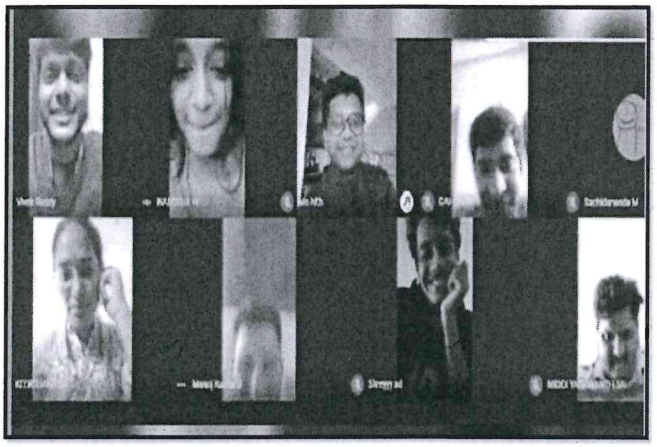
The third event was very unique, As Lockdowns was in progress this stood up entertaining everyone. Many hidden talents came out.

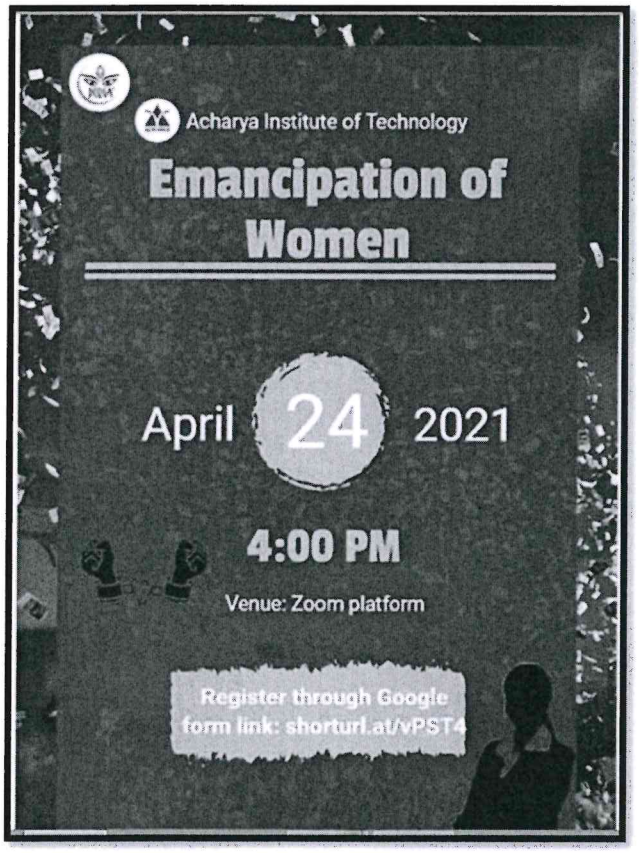
After reviewing the movie the hidden meanings were found out and the same was taught to the society.

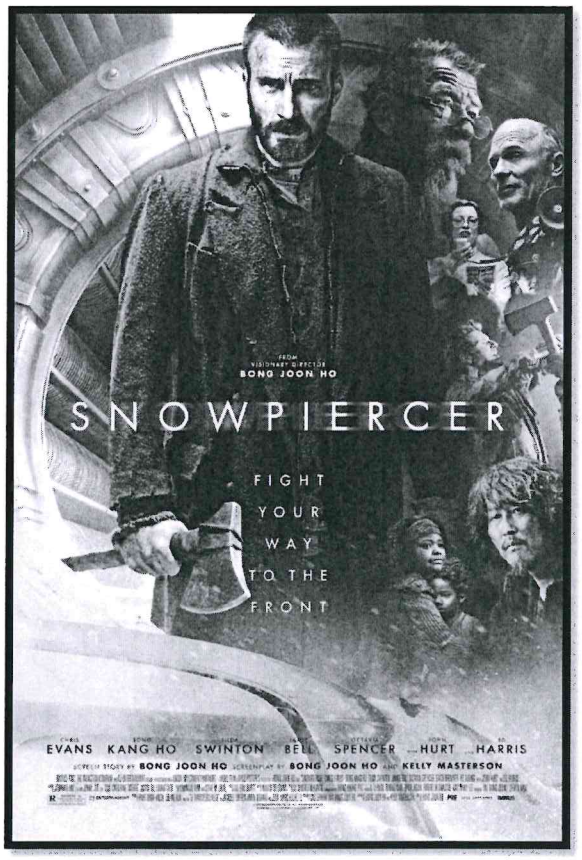
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PICTURES TAKEN DURING THE ACTIVITY

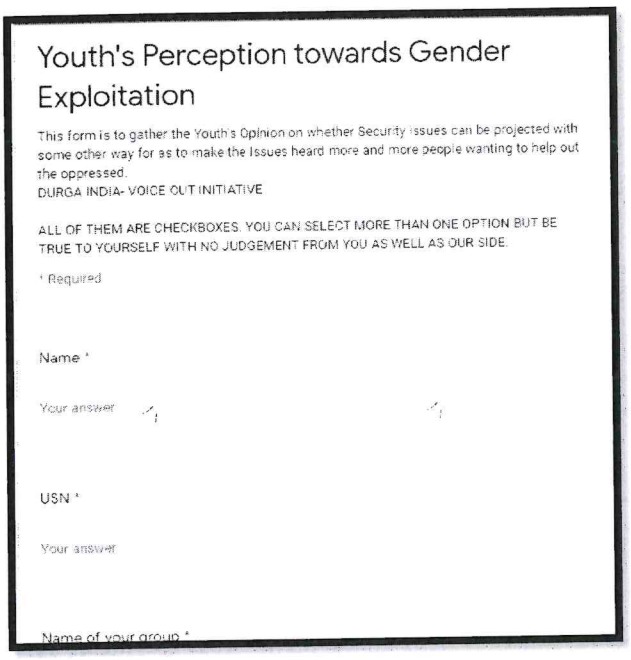








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Youth's Perception towards Gender Exploitation

This form is to gather the Youth's Opinion on whether Security issues can be projected with some other way for as to make the Issues heard more and more people wanting to help out the oppressed.
DURGA INDIA- VOICE OUT INITIATIVE

ALL OF THEM ARE CHECKBOXES. YOU CAN SELECT MORE THAN ONE OPTION BUT BE TRUE TO YOURSELF WITH NO JUDGEMENT FROM YOU AS WELL AS OUR SIDE.

* Required

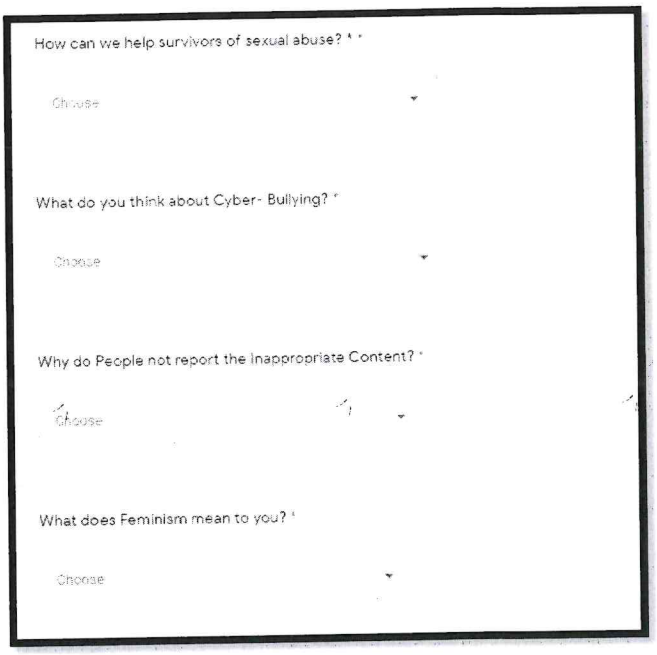
Name *

Your answer

USN *

Your answer

Name of your group *



How can we help survivors of sexual abuse? * *

Choose

What do you think about Cyber- Bullying? *

Choose

Why do People not report the Inappropriate Content? *

Choose

What does Feminism mean to you? *

Choose

Thank you

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ACHARYA INSTITUTE OF TECHNOLOGY
Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka
and Accredited by NBA (AE, BT, CSE, ECE, ME, MT)

Academic Year 2019-20

3.5.1. Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during 2019-20

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Purpose of the MoU/Linkage (nternship, on-the-job training, project work, student / faculty exchange and collaborative research)	Duration of MoU / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise
1.	MoU	Acri Infotech Pvt. Ltd, Bangalore	2019	Facilitate exchange of knowledge and resources for mutual benefit	1 Year	Training, Internship and Technical Talk Mechanics of Flight: Aircraft Maintenance Workshop (12th to 16th July 2019)
2.	MoU	Avistrat Academy Of Aerospace And Design (Avistrat) 56, T Block, Bhavani Housing Society, 7 Block, Banashankari 3rd Stage, Banashankari, Bengaluru, Karnataka 560085	2019	Facilitate exchange of knowledge and resources for mutual benefit	1 Year	Training, Internship : 05 Days Short Term Trainig Program- IoT (16th -20th September 2019)
3.	MoU	Throttle Aerospace Systems Pvt. Ltd, 659, MVS Arcade,	2019	Facilitate exchange of knowledge and resources	1 Year	Training, Internship : 05 Days Handons Traing

		B.Channasandra Main Rd, B Channasandra, OMBR Layout, Kasturi Nagar, Bengaluru, Karnataka 560043		for mutual benefit		make and fly glider (07th - 11th October 2019)
4.	MoU	ODU+AIT	2019	Research Internship	1 month	2019 Summer Research Workshop : Yaseen Khan,Zaid,Yuganshu,Palak Tolwani (07th July to 04th August 2019(
5.	MoU	Gk Machineries And Robotics Private Ltd, M131/1, 1st Floor, Next to Kssidc Quarters, Rajaji Indutrial Estate, Bengaluru, Karnataka 560010	2019	Share each others resources and expertise for training, consultancy and R & D activities	1 Year	60 students, 10 Teachers Two Day Workshop "Robotics for Industrial Automation using MATLAB" (27th -28th September 2019)
6.	MoU	Karnataka German Technical Training Institute, Behind Kenna Metals, Nagasandra, Manjunatha Nagar, Bengaluru – 560 073	2020	Training & Internship	1 Month	Industrial Visit : 11 students selected for Automation, PLC and SCADA (12-10-2019)

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2019-20

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Stamp Duty Amount(Rs.)	:	200 (Two Hundred only)

For ...aneshwaramma ... Co-operative Society Ltd.

Authorised Signatory

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is entered into on 06th day of November 2019 (the "Effective Date," which shall be the date on which this MOU is fully executed (hereinafter referred to as Effective date), by and between the Acharya Institute of Technology (hereafter referred to as "AIT"), located in Bangalore, India and ***ACRi Infotech Pvt. Ltd located in Bangalore*** (hereafter referred to as "ACRi"), located in Bangalore, India.

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AIT and ACRi are hereafter collectively referred to as the "Parties." It is hereby specifically agreed to between both the parties, that this is a broad based general agreement.

Since the areas of research relevant to the study to be taken up are multidisciplinary the following branch will take part in the research and will hence form part of this MOU:-

Aeronautical Engineering, Acharya Institute of Technology

The Annexures so prepared subsequently would form part and parcel of this agreement. This MOU serves as an institutional framework for collaborative activities. Specific agreements would need to be drafted by the parties in the case that the exploration of these areas leads to further developments. These agreements would need to be approved by authorities at each institution. Nothing in this MOU shall be construed as creating any legal relationship between the parties.

1.0 Purpose

The purpose of this Memorandum of Understanding (MOU) is to define the frame work of engagement between the two organizations, which will facilitate exchange of knowledge and resources for mutual benefit.

2.0 Organization Profiles

Acharya Institute of Technology affiliated to Visvesvaraya Technological University (VTU), Belagavi, is approved by All India Council for Technical Education (AICTE), New Delhi, Government of India and Accredited by National Board of Accreditation (NBA).

Acharya Institute of Technology is committed to excellence in teaching, learning, research, and developing professionals in many disciplines, who make a difference globally. Acharya faculty are not only involved in teaching but they also pursue rigorous research to push the boundaries of human knowledge. For the students who are motivated to pursue their academic research and take up the biggest challenges of the 21st century, Acharya Institute of Technology is the ultimate destination. Located in the south Indian city 'Bangalore', known as " The Silicon Valley of India". Acharya Institute of Technology was established in the year 2000 and offers 13 undergraduate programs, 11 postgraduate programs and 11 research programs. The diverse academic programs attract nearly 5000 students from 60+ countries as well as from all parts of India. Acharya prides itself of having a large notable alumnus from around the world.

ACRi is a software development and consulting organization providing mathematical modeling and computer analysis of environmental pollution and engineering processes involving FLUID DYNAMICS, HEAT & MASS TRANSFER, TURBULENCE, and COMBUSTION.

ACRi develops and markets a family of versatile CFD software tools that are widely used by leading organizations and universities. These tools are distinguished by their ease of use and versatility for both problem-specific application, but more so for the ability to allow users to quickly implement alternative solvers, physical sub-models, and numerical schemes.

Since its founding in 1979, the firm has provided consulting services on an international basis in the various fields of its expertise to over 100 clients. The firm is committed to staying abreast of

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the state-of-the-art in the rapidly evolving fields of mathematical and computer modeling by in-house development and close contacts with leading universities and professional organizations around the world. ACRi has subsidiaries in France and India, and distributors in the United Kingdom, Spain, Korea and France. ACRi is a woman and minority owned small business under the U.S. Federal Government guidelines.

SCOPE

Both the organizations agree to share their respective R& D facilities in order to promote academic and research interaction.

There will be provision for mutual sharing of experts from **"ACRi"** and resource persons from **"AIT"**.

Internships

Both **AIT** and ACRi agree to provide summer internships to students in areas of general CFD, Artificial Intelligence, Machine Learning and the allied areas of common interest. This helps in motivating the students, understanding industry environment and practices, job profiles and projects they can undertake. This would foster a healthy academic environment for overall learning of CFD for future.

Projects

Both **AIT** and ACRi agree to provide BE Project to students in areas of general CFD, Artificial Intelligence, Machine Learning and the allied areas of common interest. This helps in motivating the students, understanding industry environment and practices, job profiles, projects they can undertake besides facilitating them to earn some money to be spent usefully in the next academic year / semester.

Joint R & D Projects

Research projects in the identified areas will be jointly undertaken by **AIT** and **ACRi,** both the organizations will submit collaborative research projects to various national and international funding agencies. Both the organizations would ensure the successful completion of the funded research projects.

For all the matters concerned a coordination committee overseeing the issues consisting of four members (Two Members from Acharya Institute of Technology and two from **ACRi** with the Chairman on rotational basis) for identifying joint R & D projects to be carried out under this MOU. The ethical approval of these projects would be granted by Ethics sub committees of **AIT** and ACRi as registered under law.

Both **AIT** and **ACRi** agree to get the tax exemption whenever they provide fund to **AIT** related to research as also when procuring the equipments for R & D purpose.

Intellectual Property, Confidentiality and Non-Disclosure

Both parties recognize, accept and agree that all tangible and intangible information obtained or disclosed to the other party or its staff or employees including all details, documents, patient

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information an particulars and trade secrets (all of which are hereinafter referred to as confidential and / or proprietary information) of such party which may be communicated to other party, its staff / employees who may be privy under or pursuant to this contract and/or in the course of performance of such party's obligations under this contract shall be treated as absolutely confidential and the other party agrees and undertakes to ensure that it and all its staff / employees shall keep the same as secret and confidential and shall not disclose the same, at all in whole or in part to any person at any purpose other than as may be necessary for due performance of the party's obligations herein and only for the benefit of the other party.

Both Parties understand that financial arrangements under this MOU would have to be negotiated and would depend on specific activities and the availability of funds. Any expense incurred by either party would be subject to individual agreements on a case-by-case basis. The parties also recognize that intellectual property terms would need to be included in subsequent agreements, as appropriate.

Both parties hereby unconditionally agree and undertake to ensure that they or their staff / employees shall not disclose or publish the existence of the terms and conditions of this contract or any information relating to it or other business which they may come across of performing their duties unless such disclosure or publication is strictly required by law or by any authority acting under law.

If the outcome of a project results into an intellectual property, for which rights can be secured, both the parties will take up and decide the IP rights, on case to case basis.

3.0 Duration, Amendment and Termination of MOU

This MOU shall be valid for a period of five years from the date of its signing. During the period of the validity, the MOU can be amended any time by mutual consent of both the parties in writing. The MOU can also be terminated by either party giving the order a written notice of its desire to terminate the MOU by giving three months notice in advance. In the event of such termination both the parties shall cooperate in good spirit for the completion of the ongoing researchers.

4.0 Dispute Resolution and Governing Law

The dispute or issue if any arising out of or touching this Agreement if not resolved amicably shall be referred to an arbitration of an arbitrator mutually agreed by the parties. In the event parties fail to agree on single arbitrator then each party shall appoint third arbitrator. The arbitration will be held in Bangalore. The language of the arbitration shall be in English.

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In witness whereof of the two parties have signed this memorandum of understanding by the hand of, on behalf of **AIT** and by the hand of behalf of **ACRi** on the date, month and year referred to above.

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06/11/19

Principal, AIT

Director, ACRi

Witnessed by:-

1. Mr. Iqbal Ahmed
Dy.Director-Training & International Collaborations,
Acharya Institutes, Bangalore

2. Dr SK Maharana, Head, Aeronautical Engineering, AIT

6.11.2019

3. Mr. V Kumaran Babu, Deputy Director, Analytics and Machine Learning
ACRi Infotech Pvt. Ltd.

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ACHARYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF AERONAUTICAL ENGINEERING
BENGALURU - 560107

Event Name: Mechanics of Flight: Aircraft Maintenance Workshop
Date: 12/07/2019 to 16/07/2019
No. of participants: 57
Resource Person: Dr. Madhukar M Rao Technical Director ACRi Infotech Pvt. Lmd
Objectives:

- Provide students with a solid foundation in the principles of flight mechanics.
- Teach essential aircraft maintenance procedures and best practices.
- Offer practical, hands-on training with aircraft components and maintenance tools
- Emphasize the importance of safety in aircraft maintenance
- Develop students' problem-solving abilities through real-world maintenance scenarios.

Sl.No.	Outcomes of the event	POs Mapped	PSOs Mapped
1	Understanding of flight mechanics and aircraft maintenance principles.	1	1,2
2	Hands-on skills through practical exercises and projects.	3,4	
3	Emphasis on safety protocols ensured students understood the importance of safety in aircraft maintenance.	7,8	
4	Group projects fostered teamwork and collaborative learning	9	

Report:

The 5-day Mechanics of Flight: Aircraft Maintenance Workshop successfully introduced aeronautical students to the essential aspects of flight mechanics and aircraft maintenance. Through a combination of theoretical instruction, practical exercises, and project-based learning, students gained valuable skills and knowledge, preparing them for future careers in aircraft maintenance and aeronautical engineering. The workshop emphasized the importance of safety, teamwork, and problem-solving, equipping students with a well-rounded understanding of aircraft maintenance practices.

Workshop Schedule	Session 1	Session 2
Day 1: Introduction to Flight Mechanics and Aircraft Systems	• Introduction to the workshop's objectives and schedule. • Overview of flight mechanics principles.	• Forces acting on an aircraft (lift, weight, thrust, drag). • Introduction to aerodynamics and flight control surfaces.
Day 2: Airframe and Engine Maintenance	• Overview of aircraft structural components. • Inspection techniques for airframe integrity.	• Basics of aircraft engines (turbine and piston engines).

		• Routine engine maintenance procedures.
Day 3: Avionics and Electrical Systems	• Overview of avionics systems and their functions. • Common avionics components (navigation, communication, autopilot).	• Aircraft electrical systems overview. • Battery and power distribution maintenance.
Day 4: Hydraulic and Landing Gear Systems	• Basics of aircraft hydraulic systems. • Common hydraulic components and their maintenance.	• Overview of landing gear components and functions. • Maintenance procedures for landing gear systems.
Day 5: Comprehensive Maintenance and Final Assessment	• Comprehensive review of all aircraft systems.	• Groups present their maintenance projects and findings. • Instructor and peer feedback.

Thank you!!!



Photographs during the session

2019-20.

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Second Party	:	AVISTRAT ACADEMY OF AEROSPACE AND DESIGN
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Stamp Duty Amount(Rs.)	:	100 (One Hundred only)

For Sri Maneshwaramma Co-operative Society Ltd.

Authorised Signatory

MEMORANDUM OF UNDERSTANDING

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AIT and Avistrat are hereafter collectively referred to as the "Parties." It is hereby specifically agreed to between both the parties, that this is a broad based general agreement.

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The Annexures so prepared subsequently would form part and parcel of this agreement. This MOU serves as an institutional framework for collaborative activities. Specific agreements would need to be drafted by the parties in the case that the exploration of these areas leads to further developments. These agreements would need to be approved by authorities at each institution. Nothing in this MOU shall be construed as creating any legal relationship between the parties.

1.0 Purpose

The purpose of this Memorandum of Understanding (MOU) is to define the frame work of engagement between the two organizations, which will facilitate exchange of knowledge and resources for mutual benefit.

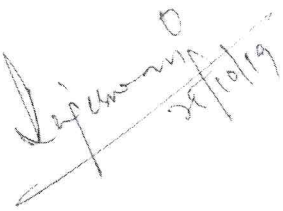
Organization Profiles

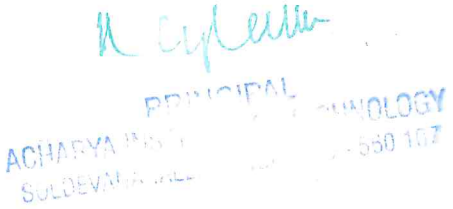
Acharya Institute of Technology is affiliated to Visvesvaraya Technological University (VTU), Belagavi, is approved by All India Council for Technical Education (AICTE), New Delhi, Government of India and Accredited by National Board of Accreditation (NBA).

Acharya Institute of Technology is committed to excellence in teaching, learning, research, and developing professionals in many disciplines, who make a difference globally. Acharya faculty are not only involved in teaching but they also pursue rigorous research to push the boundaries of human knowledge. For the students who are motivated to pursue their academic research and take up the biggest challenges of the 21st century, Acharya Institute of Technology is the ultimate destination. Located in the south Indian city 'Bangalore', known as " The Silicon Valley of India". Acharya Institute of Technology was established in the year 2000 and offers 13 undergraduate prgrammes, 11 postgraduate programmes and 11 research programmes. The diverse academic programmes attract nearly 5000 students from 60+ countries as well as from all parts of India. Acharya prides itself of having a large notable alumnus from around the world.

Avistrat Academy's industry-oriented focus helps students acquire the skills, confidence, and knowledge required to build successful careers in the aerospace industry enabling them to explore and fulfil individual potential. Our world-class faculty is committed to translating their decades worth of industry expertise, technical excellence, and teaching performance into brilliant ideas and valuable people competence that will shape the industry of tomorrow. The dedication, talent, and drive of **Avistrat** Academy's people underpin our success. We are and will remain inclusive and open; a diverse community in which staff and students continue to learn from and celebrate individual differences. These qualities make **Avistrat** Academy a great place to study, collaborate, and work.

2.0 SCOPE





Both the organizations agree to share their respective R& D facilities in order to promote academic and research interaction.

There will be provision for mutual sharing of experts from **"Avistrat"** and resource persons from **"AIT".** The students from the department of Aeronautical Engineering, **AIT** shall be encouraged to be trained and hence placed by Avistrat.

Training, Internships, Project and Placement

Avistrat agrees to provide training, internships, project and placement to students in areas of aerospace and allied fields. This helps in motivating the students understanding industry environment and practices, job profiles and projects they can undertake. The placement of AIT graduates by Avistrat would foster a healthy environment of study and career advancement.

Intellectual Property, Confidentiality And Non-Disclosure

Both parties recognize, accept and agree that all tangible and intangible information obtained or disclosed to the other party or its staff or employees including all details, documents, patient information an particulars and trade secrets (all of which are hereinafter referred to as confidential and / or proprietary information) of such party which may be communicated to other party, its staff / employees who may be privy under or pursuant to this contract and/or in the course of performance of such party's obligations under this contract shall be treated as absolutely confidential and the other party agrees and undertakes to ensure that it and all its staff / employees shall keep the same as secret and confidential and shall not disclose the same, at all in whole or in part to any person at any purpose other than as may be necessary for due performance of the party's obligations herein and only for the benefit of the other party.

Both Parties understand that financial arrangements under this MOU would have to be negotiated and would depend on specific activities and the availability of funds. Any expense incurred by either party would be subject to individual agreements on a case-by-case basis. The parties also recognize that intellectual property terms would need to be included in subsequent agreements, as appropriate.

Both parties hereby unconditionally agree and undertake to ensure that they or their staff / employees shall not disclose or publish the existence of the terms and conditions of this contract or any information relating to it or other business which they may come across of performing their duties unless such disclosure or publication is strictly required by law or by any authority acting under law.

If the outcome of a project results into an intellectual property, for which rights can be secured, both the parties will take up and decide the IP rights, on case to case basis.

3.0 Duration, Amendment and Termination of MOU

This MOU shall be valid for a period of five years from the date of its signing. During the period of the validity, the MOU can be amended any time by mutual consent of both the parties in writing. The MOU can also be terminated by either party giving the order a written notice of its desire to terminate the MOU by giving three months notice in advance. In the event of such termination both the parties shall cooperate in good spirit for the completion of the ongoing researchers.

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4.0 Dispute Resolution and Governing Law

The dispute or issue if any arising out of or touching this Agreement if not resolved amicably shall be referred to an arbitration of an arbitrator mutually agreed by the parties. In the event parties fail to agree on single arbitrator then each party shall appoint third arbitrator. The arbitration will be held in Bangalore. The language of the arbitration shall be in English.

In witness whereof of the two parties have signed this memorandum of understanding by the hand of, on behalf of **AIT** and by the hand of behalf of **Avistrat** on the date, month and year referred to above.

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SOLADEVANAHALLI, BENGALURU - 560107

Principal, AIT

Director , Avistrat

Witnessed by:-

1. Mr. Iqbal Ahmed
Dy .Director-Training & Collaborations
Acharya Institutes, Bangalore

2. Dr SK Maharana, 25.10.2019
Head, Aeronautical Engineering, AIT

3. Mr. Madhusudhana Rao,
Programme Manager - Technical

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ACHARYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF AERONAUTICAL ENGINEERING
BENGALURU - 560107

Event Name: Short Term Training Program -Internet of Things
Date: 16/09/2019 to 20/09/2019
No. of participants: 56
Resource Person: Mr. Abhinav, ETAS
Mr. Shashank Rawat, Programme Director, Avistrat Academy of Aerospace and Design

Objectives:

- To provide adequate knowledge of modern tools used in the industry
- To understand the basic concepts and terminologies related to IoT
- Hands-on experience with popular IoT hardware platforms like Arduino & Raspberry Pi
- Learn to interface and integrate sensors and actuators with IoT devices
- Explore various real-world applications of IoT in Aerospace Engineering

Sl.No.	Outcomes of the event	POs Mapped	PSOs Mapped
1	Understand the fundamental concepts and components of IoT systems.	4,5	1,3
2	Proficient in using popular IoT hardware such as Arduino, Raspberry Pi, and various IoT cloud services.	4,5	
3	Gain practical experience in designing, developing, and deploying IoT projects	8	
4	Skills to handle data generated by IoT devices	9	
5	Communicate clearly both the problem and solution in a diverse work culture.	10	

Report:

Comprehensive understanding of IoT, combining theoretical knowledge with practical skills to enable participants to develop and deploy IoT solutions effectively. This event encourages the student to prepare to the field of IoT, whether in academic research, industry projects, or entrepreneurial ventures and also students were aware of wireless sensors, transmission of information over a network, Internet of Things (IoT) related basic elements /components to understand with respect to an aircraft model or a similar device (flying or stationary), and usefulness of IoT in Aerospace.

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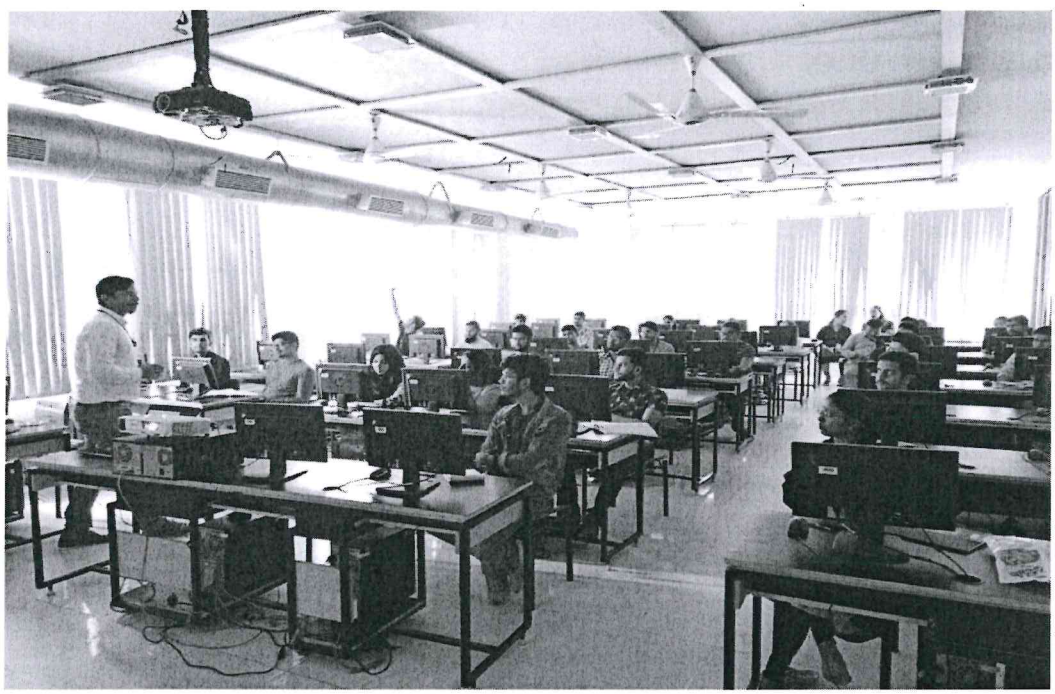
ACHARYA

ACHARYA INSTITUTE OF TECHNOLOGY

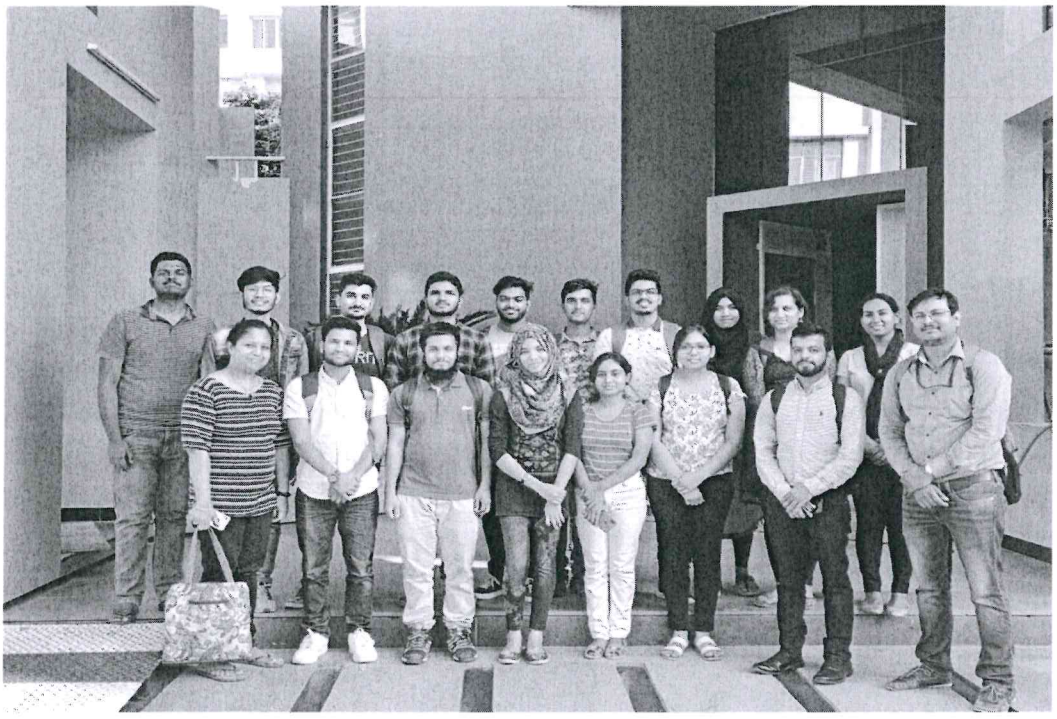
DEPARTMENT OF AERONAUTICAL ENGINEERING

BENGALURU - 560107

Thank you!!!



Short Term Training Program -Internet of Things-session



Short Term Training Program -Internet of Things-group photo

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2019-20.

सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

e-Stamp

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Certificate Issued Date	:	18-Nov-2019 03:59 PM
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Description	:	BOND
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Stamp Duty Paid By	:	THROTTLE AEROSPACE SYSTEMS PVT LTD
Stamp Duty Amount(Rs.)	:	100 (One Hundred only)

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MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is entered into on 19th day of November 2019 (the "Effective Date," which shall be the date on which this MOU is fully executed (hereinafter referred to as Effective date), by and between the **Acharya Institute of Technology** (hereafter referred to as "AIT"), located in Bangalore, India and **Throttle Aerospace Systems Pvt Ltd** (hereafter referred to as "TAS"), located in Bangalore, India.

Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.shcilestamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

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AIT and TAS are hereafter collectively referred to as the "Parties." It is hereby specifically agreed to between both the parties, that this is a broad based general agreement.

Since the areas of research relevant to the study to be taken up are multidisciplinary the following branch will take part in the research and will hence form part of this MOU:-

Aeronautical Engineering, Acharya Institute of Technology

The Annexures so prepared subsequently would form part and parcel of this agreement. This MOU serves as an institutional framework for collaborative activities. Specific agreements would need to be drafted by the parties in the case that the exploration of these areas leads to further developments. These agreements would need to be approved by authorities at each institution. Nothing in this MOU shall be construed as creating any legal relationship between the parties.

Purpose

The purpose of this Memorandum of Understanding (MOU) is to define the frame work of engagement between the two organizations, which will facilitate exchange of knowledge and resources for mutual benefit.

2.0 Organization Profiles

Acharya Institute of Technology is affiliated to Visvesvaraya Technological University (VTU), Belagavi, is approved by All India Council for Technical Education (AICTE), New Delhi, Government of India and Accredited by National Board of Accreditation (NBA).

Acharya Institute of Technology is committed to excellence in teaching, learning, research, and developing professionals in many disciplines, who make a difference globally. Acharya faculties are not only involved in teaching but they also pursue rigorous research to push the boundaries of human knowledge. For the students who are motivated to pursue their academic research and take up the biggest challenges of the 21st century, Acharya Institute of Technology is the ultimate destination. Located in the south Indian city 'Bangalore', known as" The Silicon Valley of India". Acharya Institute of Technology was established in the year 2000 and offers 13 undergraduate prgrammes, 11 postgraduate programmes and 11 research programmes. The diverse academic programmes attract nearly 5000 students from 60+ countries as well as from all parts of India. Acharya prides itself of having a large notable alumnus from around the world.

Throttle Aerospace Systems Pvt Ltd (**TAS**) is an Aerospace & Defence company located at Bangalore, India, formed by a team of young entrepreneurs with over 10 + years of professional experience in engineering, manufacturing & supply chain carried from general aviation and defense industries globally. We are committed to deliver innovation & cutting edge technology in the field of Unmanned Aerial Vehicles, sensors, sub systems and its accessories. This is practiced by high scale manufacturing, customization and cost effective techniques.TAS is highly passionate towards developing new products & unique solutions that transforms UAV industry globally. We also handle civil and military UAV business segments. This is practiced by high scale manufacturing, customization and cost effective techniques.

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SCOPE

Both the organizations agree to share their respective R& D facilities in order to promote academic and research interaction.

There will be provision for mutual sharing of experts from **"TAS"** and resource persons from **"AIT".**

Internships and Projects

Both **AIT** and TAS agree to provide internships to students in areas of DRONE. This helps in motivating the students, understanding industry environment and practices, job profiles, projects they can undertake. This would foster a healthy academic environment of learning technology and leveraging it for the development of DRONE for future. This would also nurture the young minds in this niche area of aerospace domain.

Joint R & D Projects

Research projects in the identified areas will be jointly undertaken by **AIT** and **TAS,** both the organizations will submit collaborative research projects to various national and international funding agencies. Both the organizations would ensure the successful completion of the funded research projects.

For all the matters concerned a coordination committee overseeing the issues consisting of four members (Two Members from Acharya Institute of Technology and two from **TAS** with the Chairman on rotational basis) for identifying joint R & D projects to be carried out under this MOU. The ethical approval of these projects would be granted by Ethics sub committees of **AIT** and TAS as registered under law.

Both **AIT** and **TAS** agree to get the tax exemption whenever they provide fund to **AIT** related to research as also when procuring the equipments for R & D purpose.

Intellectual Property, Confidentiality and Non-Disclosure

Both parties recognize, accept and agree that all tangible and intangible information obtained or disclosed to the other party or its staff or employees including all details, documents, patient information an particulars and trade secrets (all of which are hereinafter referred to as confidential and / or proprietary information) of such party which may be communicated to other party, its staff / employees who may be privy under or pursuant to this contract and/or in the course of performance of such party's obligations under this contract shall be treated as absolutely confidential and the other party agrees and undertakes to ensure that it and all its staff / employees shall keep the same as secret and confidential and shall not disclose the same, at all in whole or in part to any person at any purpose other than as may be necessary for due performance of the party's obligations herein and only for the benefit of the other party.

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In witness whereof of the two parties have signed this memorandum of understanding by the hand of, on behalf of **AIT** and by the hand of behalf of **TAS** on the date, month and year referred to above.

Principal, AIT

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SOLADEVANAHALLI, BENGALURU - 560107

Director , TAS

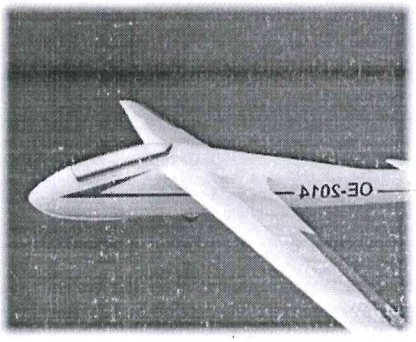
Witnessed by:-

1. Dr SK Maharana, Head, Aeronautical Engineering, AIT
2. Mr. Sebastian Anto , Vice President, TAS.

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ACHARYA INSTITUTE OF TECHNOLOGY

Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanahalli, Hesaraghatta Main Road, Bengaluru- 560107



Hands on Make and Fly Glider

Date: 07/10/2019 to 11/10/2019 | Time: 9:00 AM- 4:00PM IST
Target Audience: Final Year Students
Venue: Propulsion Lab, ANA Block, AIT

ABOUT THE PROGRAM:

Objectives of the Program:

- Understand the basic principles of aerodynamics, including lift, drag, thrust, and weight.
- Gain knowledge of glider design, including wing shapes, airfoils, and balance.
- Understand how to control and steer the glider during flight.
- Learn techniques for ensuring structural integrity and proper alignment of parts.

Expected Outcome of the Program:

- Gain hands-on experience with materials and tools used in glider construction.
- Develop problem-solving skills by making adjustments and improvements based on test flight results.
- Learn to identify and troubleshoot common issues that arise during the construction and flight testing of the glider.

Registration Link :https://forms.gle/1qjk9iginicjSopp8sf6

ADVISORY COMMITTEE

Dr. PRAKASH M R
Principal, AIT

Prof. MARIGOWDA C K
Vice Principal, AIT

CONVENER

Dr. MAHARANA S K
Head of the Department,
Aeronautical Engineering
AIT, Bengaluru

COORDINATOR

Ms. MS. STEFFI THANGACHAN
Forum Coordinator (UDAAN), Dept. of Aeronautical Engineering AIT, Bengaluru
Mob: 7760660081



RESOURCE PERSON

Mr. HARSHA MV, CEO
Samiksha Aerospace Pvt. Ltd.
Bangalore

MR. NAGENDHRAN, Director
Aerospace Throttle Systems.
Bangalore



www.acharya.ac.in

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ACHARYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF AERONAUTICAL ENGINEERING
BENGALURU - 560107

Event Name: Hands on make and fly glider
Date: 07/10/2019 to 11/10/2019
No. of participants: 72
Resource Person: Harsha MV, CEO, Samiksha Aerospace Pvt.Ltd
Mr. Nagendhran, Director, Aerospace Throttle Systems, Bangalore

Objectives:

- Introduce the basic principles of aerodynamics and flight mechanics.
- Provide hands-on experience in designing, building, and flying a glider.
- Foster teamwork, problem-solving, and creativity.
- Encourage interest in aviation and aerospace engineering.

Sl.No.	Outcomes of the event	POs Mapped	PSOs Mapped
1	Enhanced Understanding of Aerodynamics	1	1,2
2	Acquired knowledge in hands-on experience in designing and constructing gliders.	1,2	
3	Collaborative environment where the students worked in teams to design, build, and test their gliders.	3	
4	The process of designing, building, and successfully flying their gliders, participants gained confidence in their abilities.	9	
5	Development of Critical Thinking and Problem-Solving Skills	4	

Report:

The 5-day "Hands-On Make and Fly Glider" workshop aimed to provide students with practical insights into the principles of aerodynamics and flight mechanics through experiential learning. This report details the workshop's objectives, schedule, activities, outcomes, and participant feedback.

Workshop Schedule	Session 1	Session 2
Day 1: Introduction and Theoretical Foundation	Welcome and Introduction Overview of Workshop Objectives and Schedule Basic Principles of Aerodynamics: Lift, Drag, Thrust, and Weight	Introduction to Glider Design: Components and Functions Group Discussions and Initial Design Brainstorming
Day 2: Design and Planning	Detailed Session on Glider Aerodynamics Sketching and Planning Glider Designs	Review and Feedback on Design Plans Selection of Materials and Tools

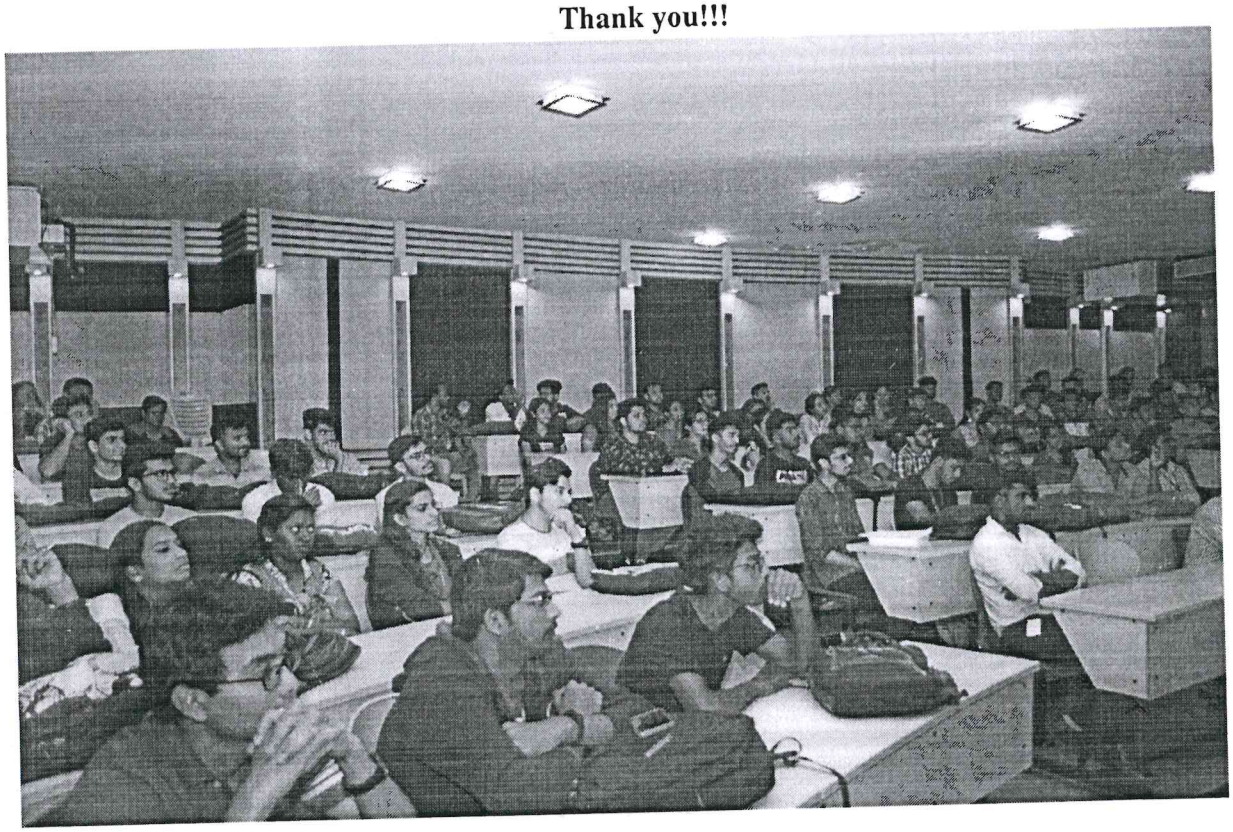
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Day 3: Building the Gliders	Construction Techniques: Cutting, Assembling, and Joining Hands-On Building of Glider Components	Assembly of Glider Components Initial Structural Testing and Adjustments
Day 4: Testing and Iteration	Indoor Flight Trials: Testing Basic Flight Characteristics Observing and Recording Flight Performance	Identifying Issues and Making Adjustments Iterative Testing and Refinement
Day 5: Final Testing and Presentation	Outdoor Flight Sessions: Final Glider Flights Tips on Launch Techniques and Flight Optimization	Presentation of Glider Designs and Flight Results Feedback and Discussion Conclusion and Certificate Distribution

Thank you!!!



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Erasmus+

Universitat d'Alacant
Universidad de Alicante

CERTIFICATE OF ATTENDANCE / *CERTIFICADO DE ESTANCIA*

Name of the host institution / *Nombre de la institución de acogida*:

University of Alicante / Universidad de Alicante

IT IS HEREBY CERTIFIED THAT / *CERTIFICA QUE*:

Mr./Ms **KALA VENUGOPAL**

from the / *de la*

ACHARYA INSTITUTES

(IN BANGALO01)

performed the teaching assignment specified at our institution between:

realizó la actividad docente prevista en nuestra institución entre:

08/04/2019 and / *y* 12/04/2019

giving an amount of */ impartiendo un total de:* 8 hours / *horas*

12/04/2019

Date
Fecha

Stamp and Signature
Sello y Firma

Name of the signatory / *Nombre del firmante*: Raquel Morote Jiménez

Function / *Función*: Mobility Officer / *Gestor de movilidad*

(El certificado de asistencia debe firmarse el último día de docencia o posterior / The certificate of attendance must be signed at the end of the mobility)

1

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(10) 2019-20

INTERNATIONAL MEMORANDUM OF UNDERSTANDING

between

OLD DOMINION UNIVERSITY, Norfolk, Commonwealth of Virginia

and

Acharya Institutes,
Soldevanahalli Hesarghatta Main Rd.
Bangalore-India

Old Dominion University (hereafter "ODU"), Norfolk, Virginia, USA, and Acharya Institutes, Soldevanahalli Hesarghatta Main Rd. Bangalore-India (hereafter "Acharya"), join in the following international memorandum of understanding on the promotion of educational and academic exchanges between the two institutions.

1. **Framework for Collaboration:** Both institutions will make every reasonable effort to encourage direct contact and research cooperation between their faculty members, departments, and research institutes, to the extent that they are able, under provisions of this agreement, and endeavor to cooperate in the fields with which both parties are concerned. Both institutions agree to consider the following general forms of cooperation:

- Joint research activities;
- Academic materials and academic publications exchange;
- Faculty mobility for research, lectures, and discussions;
- Student mobility for study and research;
- Promotion of international mobility by faculty and students for educational purposes

Themes of joint activities and the conditions for using the results achieved and arrangements for specific visits, exchanges, and other forms of cooperation will be agreed to by both parties on a case-by-case basis.

2. **Initial Priorities of Collaboration:** The initial priorities for collaboration between the two institutions are listed below. It is anticipated that additional areas of collaboration will be added as the mutual interest of the two institutions dictates.

- Exchange of students for study and research
- Exchange of faculty member for research, lectures and discussions
- Consultancy support to each other
- Shared programs with various departments in the College of Engineering and Sciences

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6. **Intellectual Property:**

a. Old Dominion University agrees to provide the students/researchers with access to necessary intellectual property and permits the use of this intellectual property only so long as the student/researcher is present at Old Dominion University. Further, the student/researcher may be required to sign an agreement regarding use and dissemination of intellectual property. While at Old Dominion University the students rights to any intellectual policy will be governed by the laws of the United States, the Commonwealth of Virginia and the policies of Old Dominion University.

b. Acharya agrees to provide the students/researchers with access to necessary intellectual property and permits the use of this intellectual property only so long as the student/ researcher is present at Acharya. Further, the student/researcher may be required to sign an agreement regarding use and dissemination of intellectual property. While at ODU the students rights to any intellectual policy will be governed by the laws of Virginia and the policies of ODU University.

c. The Parties hereby acknowledge receipt of notice that some or all of the information, data, or other material provided or exchanged pursuant to this Agreement may be technical data within the meaning of the International Traffic in Arms (ITAR) regulations, 22 CFR sections 120 130, or the Export Administration Regulations (EAR), 15 CFR sections 768 - 819. Accordingly, the Parties shall not disclose, provide or export such information to any foreign person or entity, whether within the U.S. or abroad, without obtaining appropriate export authorization in advance. The Parties acknowledge their awareness that intentional violation of such export requirements may constitute a crime.

7. **Contact Offices:** The following offices will serve as the contacts for the respective universities until notified of changes in writing.

For
Old Dominion University
Executive Director
Office of International Programs
Old Dominion University
Dragas Hall 2006
Norfolk, VA 23529-0236
+1-757-683-5195 (phone)
+1-757-683-5196 (fax)
oip@odu.edu

For
Acharya
IQBAL AHMED
Dy.Director-Training & International
University Collaborations
Acharya Institutes,
Soldevanahalli Hesarghatta Main Rd.
Bangalore-India

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ACHARYA INSTITUTE OF TECHNOLOGY
SOLDEVANAHALLI, BENGALURU - 560 107

9. Approvals:

For Old Dominion University:

By: _____
John R. Broderick
President

Date:

By: _____
Augustine Agwu
Provost and Vice President
for Academic Affairs

Date: 1-24-2017

By: _____
Morris W. Foster
Vice President for Research

Date: 1/27/17

For Acharya

By: _____
IQBAL AHMED
Dy.Director Training &
Intl University Collaborations

Date: 27th December 2016

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Old Dominion University

Department of Computer Science

2019 Summer Research Workshop

BEST ALL ROUNDER

Shubham Mishra

PRINCIPAL
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SOLDEVANAHALLI, BENGALURU - 560 107

Dr. Steven Zeil, Associate Professor
Assistant Chair
Department of Computer Science

Ajay Gupta
Director of Computing Resources
Department of Computer Science

Old Dominion University

Department of Computer Science

2019 Summer Research Workshop

BEST TECHNICAL RESEARCH TEAM: FERROUS HOMOSAPIENS

Shubham Mishra

Yash Prakash

Nihaarika Aswatha Jagadish

Shreyas Gujjar Shivajirao

Dr. Steven Zeil, Associate Professor
Assistant Chair
Department of Computer Science

Ajay Gupta
Director of Computing Resources
Department of Computer Science

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Old Dominion University

Department of Computer Science

2019 Summer Research Workshop

THIS CERTIFIES THAT

Yugansha Sanjay Tickoo

HAS SUCCESSFULLY COMPLETED THE RESEARCH INTERNSHIP HELD
ON THE MAIN CAMPUS IN NORFOLK, VIRGINIA

July 7, 2019 to August 4, 2019

Steven J Zeil

Dr. Steven Zeil, Associate Professor
Assistant Chair
Department of Computer Science

Ajay Gupta
Director of Computing Resources
Department of Computer Science

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THIS CERTIFIES THAT

Shubham Mishra

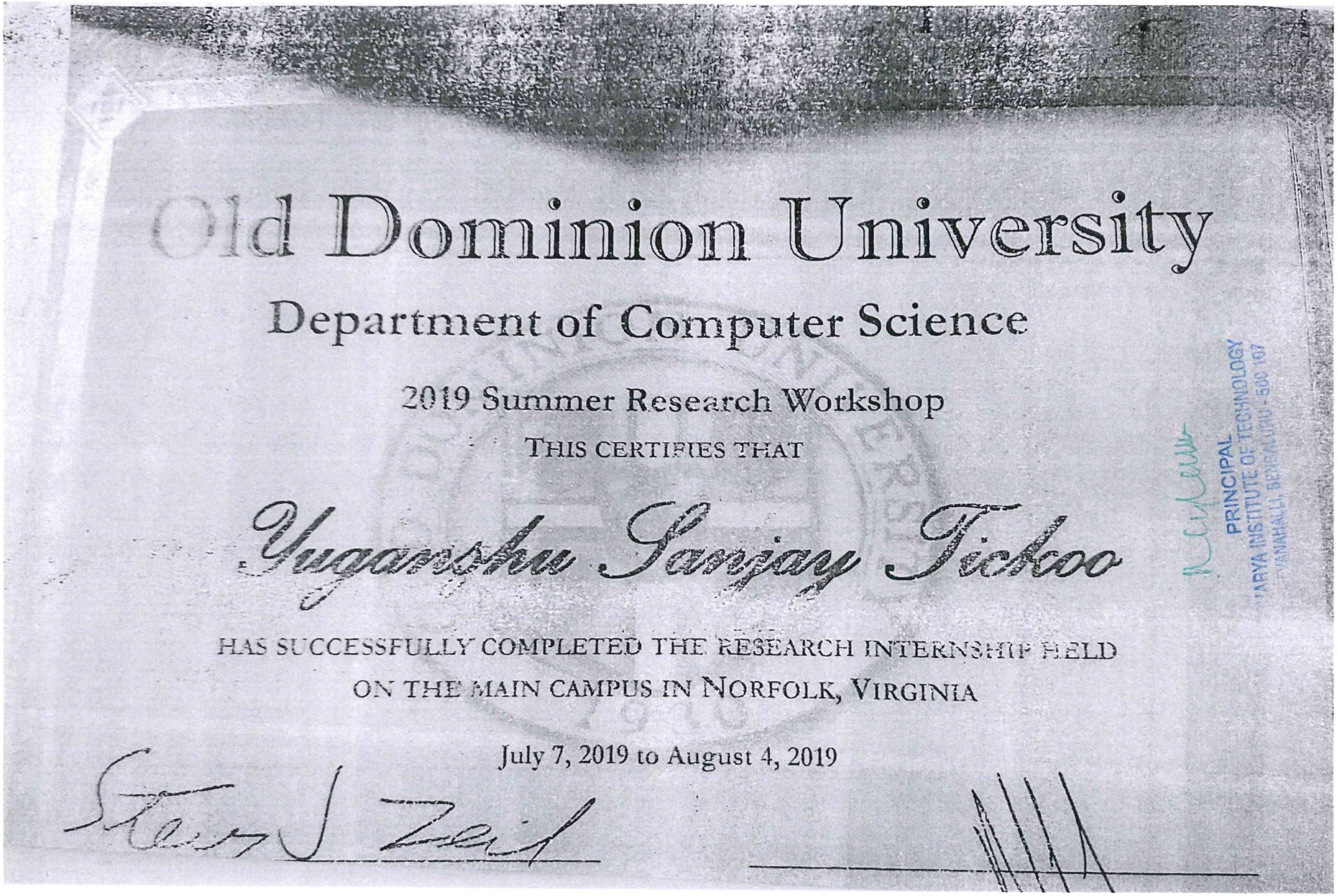
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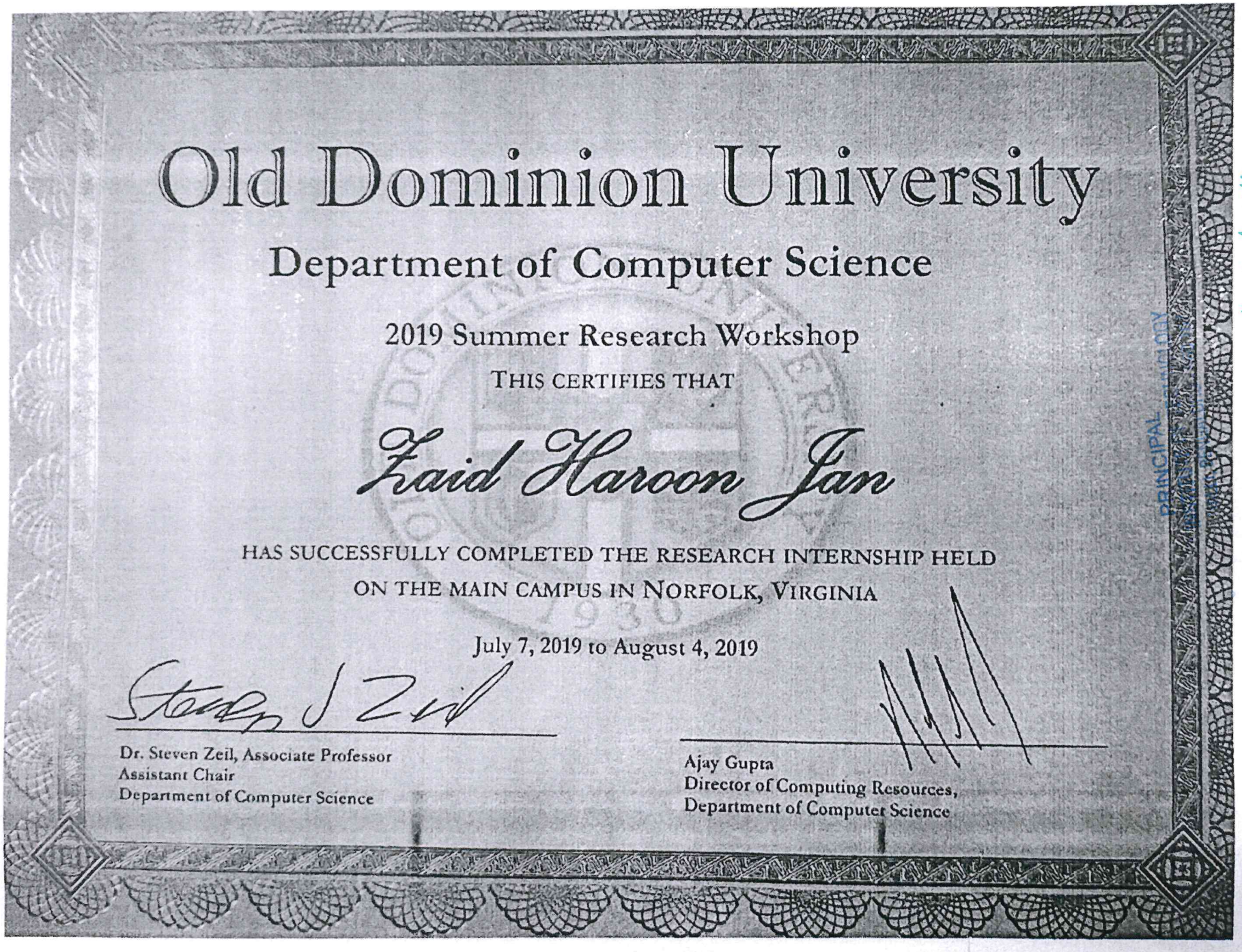
Yugandhar Sanjay Tickoo

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2019 Summer Research Workshop

THIS CERTIFIES THAT

Zaid Haroon Jan

HAS SUCCESSFULLY COMPLETED THE RESEARCH INTERNSHIP HELD
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July 7, 2019 to August 4, 2019

Dr. Steven Zeil, Associate Professor
Assistant Chair
Department of Computer Science

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Department of Computer Science

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THIS CERTIFIES THAT

Palak Tolwani

HAS SUCCESSFULLY COMPLETED THE RESEARCH INTERNSHIP HELD

ON [illegible] MAIN CAMPUS IN NORFOLK, VIRGINIA

July 7, 2019 to August 4, 2019

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Assistant Chair
Department of Computer Science

Ajay Gupta
Director of Computing Resources,
Department of Computer Science

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2019-20.

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Description	:	MEMORANDUM OF UNDERSTANDING
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For Sri Padmavathi Souharda Sahakari Niyamitha

Authorised Signatory

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MEMORANDUM OF UNDERSTANDING BETWEEN ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU and GK MACHINERIES & ROBOTICS PRIVATE LIMITED

(Please write or type below this line)

PREAMBLE

Whereas Acharya Institute of Technology, Bengaluru hereinafter referred to as AIT, an Academic institute having its campus at Acharya Dr.Sarvepalli Radhakrishnan Road, Soldevanahalli, Bengaluru – 560090, Karnataka having

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Statutory Alert:

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2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

9. Faculty from AIT may also take up projects in the area of Robotics and software development or other related areas on a need basis and work with GK Machineries & Robotics Private Limited on mutually beneficial and agreed terms.
10. AIT shall allow GK Machineries & Robotics Private Limited to use their test facilities in field development activity and impart training to GK Machineries & Robotics Private Limited employees, if required.

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 institutions prior to the initiation of particular program or activity.

A program review committee shall be constituted with equal representation from both GK Machineries & Robotics Private Limited and AIT that will review all aspects of implementation of the proposal. The committee will also look into new avenues of collaboration and co-operative working.

ARTICLE 3:

PROCEDURES AND FUNDING

The overall program will be coordinated by the office of GK Machineries & Robotics Private Limited, Bangaluru and office of AIT, Bengaluru.

The financial arrangements for conducting the activities will be negotiated through designated officials on a case by case basis, before initiation of any activity.

ARTICLE 4:

AMENDMENTS TO THIS MOU

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Amendments to this agreement may be made at any time during its validity through mutual written consent of GK Machineries & Robotics Private Limited and AIT.

ARTICLE 5:

DURATION OF THIS MOU

This MOU will remain operative for a period of two 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 through 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 here under by AIT, to be taken or given by the Principal, AIT or his authorized representative and on behalf of GK Machineries & Robotics Private Limited by Managing Director/CEO, GK Machineries & Robotics Private Limited his authorized representative.

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 GK Machineries & Robotics Private Limited involving financial, administrative, key technical objects and decisions and other matters shall be sent to the Principal AIT. All communications by AIT involving financial,

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administrative, key technical objectives and decisions and other matters shall be sent to Managing Director of GK Machineries & Robotics Private Limited with Cc to their GK Machineries & Robotics Private Limited office. All information of incremental technical details and day to day working may be exchanged directly between the AIT faculty and appropriate project personnel as identified from time to time.

ARTICLE 9:

PUBLICATIONS

GK Machineries & Robotics Private Limited acknowledges the importance to the institute of publishing results arising from projects done in the lab. If AIT wishes to publish such results, then the written permission of GK Machineries & Robotics Private Limited shall be sought in good time before publication or other disclosure and GK Machineries & Robotics Private Limited will respond to such requests within 30 days of the receipt thereof. Similarly the GK Machineries & Robotics Private Limited will get prior permission from AIT and acknowledge the same when it uses any of AIT's information or knowledge in any forum.

ARTICLE 10:

GENERAL

(a) The headings of various clauses herein are inserted for convenience of reference and not deemed to affect the meaning or construction of relative provisions.
(b) AIT will have the right to continue to utilize the information, kits and SW given for its teaching purposes under the norms of non disclosure agreement to be signed post signing of MOU.
(c) 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.
(d) 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

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the parties and nothing contained herein shall preclude either party from participating/initiating similar relationship with third parties.

(e) The term confidential shall not include information available or through prior expertise or lawfully obtained or available from third party or other legally available sources.

(f) As both parties are engaged in various aspects associated with Research and Technology innovation, any intellectual property developed by either party individually would belong to the respective parties. If developed jointly then would belong to both the parties. The terms and conditions including, the right to use or refuse, period of exclusivity, revenue sharing, and royalty with respect to the individual or joint IPs, may be decided by both the parties on a case by case basis and the same may be recorded in MOM.

ARTICLE 11:

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, on the basis of mutual consultation by the administrators. Finally, this MOU is wholly meant to contribute to the learning process of the faculty and students belonging to AIT and possible R&D, and developmental activity of GK Machineries & Robotics Private Limited and not for 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 appoint third arbitrator. The arbitration shall be conducted by a panel of three arbitrators. The venue of arbitration shall be exclusively in Bengaluru. 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 in Bengaluru.

ARTICLE 12:

FORCE MAJEURE

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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 be give a 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 English Language in two originals and each party holds one original.

WITNESSES

1. HOD
Dept of ECE, AIT

2. Dy.Director,
Collaborations

3. Dr.Sujatha B M
Professor

4. Dr.Lakshmikanth
Associate Professor

Managing Director/CEO
GK Machineries & Robotics Private Limited
Bengaluru

Principal
Acharya Institute of Technology

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report on

Memorandum Of Understanding (MOU) between

Acharya Institute of Technology, Bengaluru

And

Gk Machineries & Robotics Private Limited, Bengaluru

Organized by:

Department of Electronics and Communication Engineering
Acharya Institute of Technology
Acharya Dr.Sarvepalli Radhakrishnan Road, Bangalore-560 107

In association with

Machineries & Robotics

27th Sept 2019

VENUE: HOD Office,Dept. of ECE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering has initiated collaboration in area robotics and industrial automation to enhance academic-industry interaction.in this direction the Memorandum of understanding between Acharya Institute of Technology, Bengaluru and GK Machineries & Robotics Private Limited having its registered office at Bengaluru and working on Machine tools, Robots and Engineering Solutions has been signed on 27th Sept 2019. The MOU signing event was held at HOD office, Department of ECE the event was presided by Dr.Rajeswari, Principal in charge and Mr.Raghu.B.N, Director, GK Machineries & Robotics Private Limited.

Dignitaries present:

1. **Dr.Rajeswari,**Professor & Head ,Dept. of ECE

2. **Mr.Raghu.B.N,**Director. GK Machineries & Robotics Private Limited

3. **Mr.Iqbal Ahmed,** Dy Director collaborations, Acharya institutes

4. **Mr.M.K Srinivasa,** CEO, GK Machineries & Robotics Private Limited

Coordinators:

1. **Dr.Sujatha.B.M,** Professor, Dept. of ECE
2. **Dr.Lakshmikanth.S** , Associate Professor, Dept of ECE

Highlights of the MOU

AIT and GK Machineries & Robotics Private Limited agree to share each other's resources and leverage expertise for training, consultancy and R&D activities through this MoU.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Photo gallery:

1. Dr.Rajeswari and Mr.Iqbal Ahmed having discussion with Mr.Raghu.B.N and Mr.M.K.Srinivas



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Exchange of MOU Agreements

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report on

Two Day Workshop

"Robotics for Industrial Automation using MATLAB"

Organized by:

Department of Electronics and Communication Engineering

Acharya Institute of Technology

Acharya Dr.Sarvepalli Radhakrishnan Road, Bangalore-560 107

In association with

GK Machineries & Robotics

27th to 28rd Sept 2019

VENUE: ECE Block

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering, Acharya Institute of Technology organized workshop on "**Robotics for Industrial Automation using MATLAB**" for 3rd year students from ECE/MT/EEE, 60 students had participated in the workshop.

The event was inaugurated by **Dr. Rajeswari**, Professor and Head, Department of ECE and later Key note session by **Dr.Geetha.K.S**, Professor & Head,RVCE, Bengaluru.

Workshop Objective is to

- Make the aspiring engineers acquainted with the conceptual as well as practical knowledge of the Industrial Automation & latest technologies being used to achieve industrial automation.
- Provide fundalmentals on anatomy of robots and its activities and Simulate the Navigation of robots using Matlab
- Up-skilling the capacity of the students to Simulate the Motion control of robots using DoBot Software
- Motivate students to take up projects in area of navigation and control of robot for industrial application.

Highlights of the workshop

- Keynote session on Automation and Robotics in Intelligent Environments.
- Robotics Applications for Industrial Automation
- Hands-on Session on Robot Simulations using MATLAB
- Hands on session on Programming using MATLAB and ARDUINO.
- Hands on session on Simulate the Motion control of robots using DoBot Software

External Resource persons

1. Mr.Raghu B N, Technical Director, GK Machineries & Robotics Private Limited, Bangalore.
2. Dr. Geetha, Professor & Head , Dept., of ECE, RVCE, Bangalore.
3. Dr. Abhay Deshpande, Associate Professor, Dept of ECE, RVCE, Bangalore.
4. Mr.Nagaraj Bhat, Assistant Professor, Dept of ECE, RVCE, Bangalore.

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Workshop Convenors:

1. Dr. Sujatha.B.M, Professor, Dept.of ECE
2. Dr.Lakshmikanth.S, Assistant Professor, Dept of ECE

Cordinator: Mr.Siddesh.M.B, Assistant professor
Mr.Sandeep kumar, Assistant professor
Mr.Raghunath.B.H, Assistant professor
Ms.Priyanka.K.C, Assistant professor

Industry support: GK Machineries & Robotics Private Limited, Bangalore

Outcomes of the event

On completion of the workshop students were able to

- ✓ Describe Robot Anatomy and related attribute like joints, links, and common robot configurations, Robot Manipulators.
- ✓ Model the navigation of robots using Simulink
- ✓ Simulate the model and analyze the working of robots using DOROT software
- ✓ Gain Practical Exposure to Robot Deployment in industrial automation

Supporting Staff

Mr. Vinod K.R , ECE Dept.

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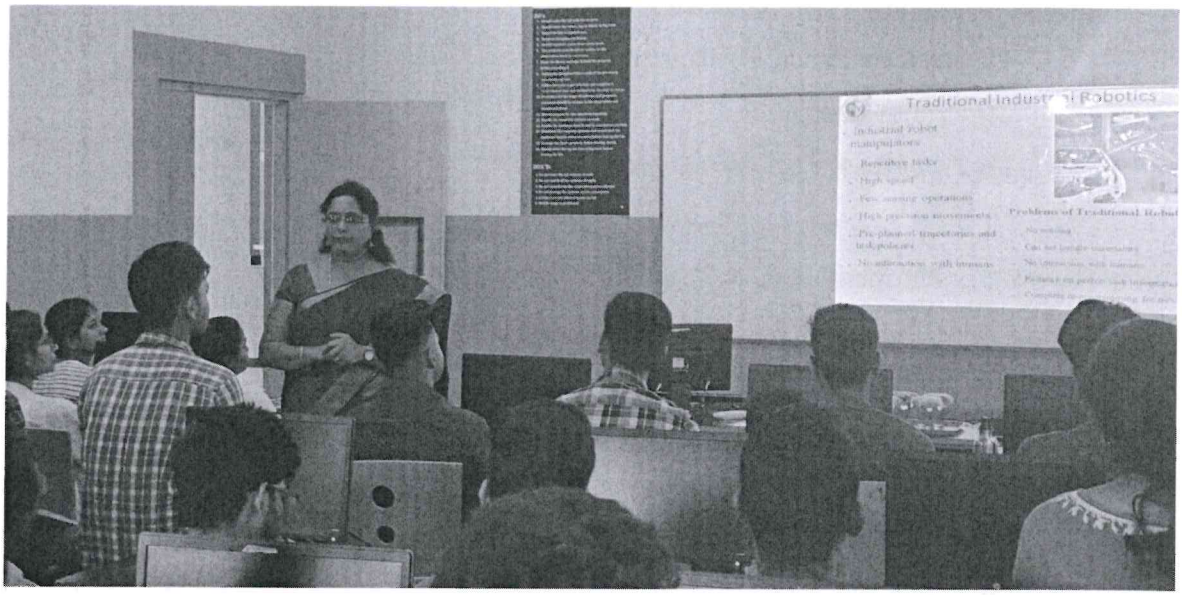
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Photographs taken during the workshop

1. **Key Note address by Dr.Geetha.K.S**





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2. **Hand-on session.**





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Organized by:

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Acharya Institute of Technology

Acharya Dr.Sarvepalli Radhakrishnan Road, Bangalore-560 107

In association with

Machineries & Robotics

27th Sept 2019

VENUE: HOD Office,Dept. of ECE

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3. **Mr.Iqbal Ahmed,** Dy Director collaborations, Acharya institutes
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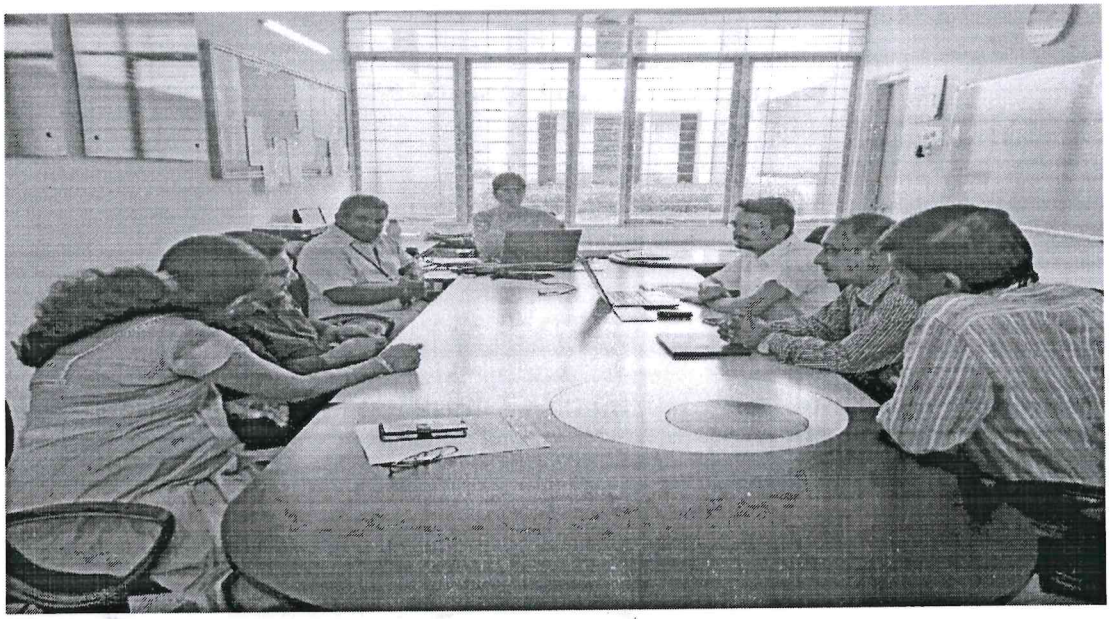
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Photo gallery:

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Exchange of MOU Agreements





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Affiliated to Visvesvaraya Technological University, Belagavi, Govt. of Karnataka.
Approved by AICTE, New Delhi and Accredited by NBA

List of Student

1AY15EC096	SRISTI BASU	
1AY16EC001	AASTHA MISHRA	
1AY16EC002	ABHAY PATEL	
1AY16EC003	ABHINAY S R	
1AY16EC007	AKASH KUMAR	
1AY16EC008	AKSHAY C RAIKAR	
1AY16EC011	ANKIT KUMAR	
1AY16EC012	ANKITHA M S	
1AY16EC013	ARIHANT KUNDALIA	
1AY16EC015	ARJUN M	
1AY16EC017	ASHWIN ARVIND RAIKAR	
1AY16EC018	BANDIGI SAI KUMAR	
1AY16EC020	BESTHA LAHIRIMAHASAYA	
1AY16EC021	BHARATH K S	
1AY16EC022	BHUVANESHWARI PARAGI	
1AY16EC023	BRIJESH KUMAR	
1AY16EC025	DARSHAN C GANJI	
1AY16EC026	DEEPAK KUMAR	
1AY16EC028	G SOUMYA RANI	
1AY16EC031	GOWDA HARSHA SOMESHA	

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1AY16EC032	GURRAM ANIRUDH VENKATA SATYA SAI	
1AY16EC034	HARSHITHA M	
1AY16EC035	K B JHANSI RANI LAKSHMI BAI	
1AY16EC036	KHUSHNAAZ SONI	
1AY16EC037	KIRAN C	
1AY16EC038	KOMALA C C	
1AY16EC039	KUMAR SHANU	
1AY16EC040	KUSHALSAI R	
1AY16EC042	LAVANYA D A	
1AY16EC043	MAHESH S TARANAL	
1AY17EC001	AAYUSHI SHARAN	
1AY17EC003	AJAYREDDY	
1AY17EC004	AJITH R SHET	
1AY17EC005	AKASH L P	
1AY17EC006	AKHILESH J	
1AY17EC009	ANNAPURNA C R	
1AY17EC010	ARAVINDA Y T	
1AY17EC012	ASHWIN ASHOK	
1AY17EC013	B LIKITH	
1AY17EC014	BAIBHAV CHOWDHURY	
1AY17EC015	BALA SAI SUJAN KODURI	

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1AY17EC017	CHANDU P	
1AY17EC018	CHINTADU GAUTHAMI	
1AY17EC019	DARSHAN Y P	
1AY17EC020	DEEPAK S	
1AY17EC021	DHANUSHREE .K	
1AY17EC022	DIMPLE V	
1AY17EC023	FAIZAN NAYYER	
1AY17EC028	GOUTHAM J M	
1AY18EC001	A MELVIN JOSE	
1AY18EC002	ABHISHEK B N	
1AY18EC004	AJAY KUMAR	
1AY18EC005	AKSHAY KUMAR	
1AY18EC006	ALKA KUMARI	
1AY18EC007	AMAN SINGH	
1AY18EC009	ANIKET PAL	
1AY18EC010	ANIL KUMAR K	
1AY18EC011	ANUSHA P B	
1AY18EC012	ANUVAV ANAND	

Faculty List

Dr. Sujatha B M	

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Prof. Krupaprasad K R	
Prof. Asha C N	
Prof. Jayalaxmi H	
Prof. Raghunath B H	
Prof. Sandeep Kumar K	
Prof. Sumalatha S	
Prof. Veena S K	
Prof. Nagapushpa K P	
Prof. Mohan N	

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'MEMORANDUM OF UNDERSTANDING'

This Memorandum of Understanding (MOU) is made on 10.01.2020 between DEPARTMENT OF MECHATRONICS ENGINEERING [AIT-MTE], ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU. Educating leaders, seeking solutions in the classroom. A treasure house of knowledge to thousands of zealous student's community across the globe. The institutions uphold its unflinching fame in all respects of academics and is exhilarating.

Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.shcilestamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
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20 year of academic excellence, honing the life of every student with a code of conduct, affiliated to Visvesvaraya Technological University - Belgaum, Approved by AICTE - New Delhi, having its office at Soladevanahalli, Hesaraghatta main road Bengaluru Karnataka 560107, India (hereinafter referred to as AIT-MTE)

AND

Karnataka German Technical Training Institute (KGTTI), an institute under Society for Karnataka German Multi Skill Development Centre (KGMSDC), established by Government of Karnataka, under funding from Government of India & Government of Karnataka, and having Technical Collaboration with German International Services (GIZ-IS), having its office at Directorate of Employment and training, CoE Building, Bannerghatta Road, Behind Women's ITI, KaushalyaBhavan Campus, Dairy Circle, Bengaluru 560029, India (hereinafter referred to as KGTTI), represented by its Director on the one part.

This MoU is made for imparting skill development training under different training programs, internships and placement Assistance for students of AIT-MTE organized by KGTTI.

In this connection, the following points are agreed upon:

1. Objective:

The overall objective of the KGTTI is to provide skill development, Internships, Projects,advanced technology hands-on-Training and to enhance employment opportunities. To achieve this objective, the AIT-MTEwill mobilize its students/ participants to undergo skill-development training to make them industry ready.

2. Recitals:

a. KGTTI is an organization providing technical skill training and consultancy services in advanced technology areas to students, jobseekers, school dropouts and unemployed youth and industry personnel.

b.AIT-MTE is an institution engaged in imparting education to develop professional skills and prepare the students/Employees for immediate employment and provides them with a solid foundation for further education.

c.The purpose of this agreement is with reference to defining the areas of co-operation benefiting both AIT-MTE and KGTTI.

3. Scope of Agreement:

- KGTTI to liaison with AIT-MTEfor providing advanced technical skill training, projects to the students or participants mobilized by AIT-MTE.

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- KGTTI will provide training on the specified list of Courses (See Annexure-I) to different category of students referred by AIT-MTE.
- KGTTI will, unless otherwise stated utilize its premises, subject experts, software, and training kits / equipment for conducting training.
- To promote courses run by KGTTI, AIT-MTEwill mobilize its students/Participants.
- The AIT-MTEwill mobilize students/ participants per year.
- Subject to mutual convenience, AIT-MTEwill utilize the services of the faculty of KGTTI to render specialized domain intervention and conduct technical sessions in order to promote the KGTTI activities and motivate the students.
- AIT-MTE shall initiate students meet and other business promotional activities to promote the training activities of KGTTI. KGTTI shall provide technical support, presentation and promotional materials for such events.

4. Training Support & Methodology:

The training shall be conducted at KGTTI premises or at the premises of the AIT-MTE if the KGTTI satisfies itself on the adequacy of the infrastructure to conduct such training programs.

- Subject to availability of adequate infrastructure, KGTTI can conduct sandwich courses wherein partial training can be conducted at AIT-MTEpremises or any other mutually agreed place with other associated activities conducted at KGTTI.
- KGTTI shall provide all support needed for imparting the necessary training to the students mobilized by AIT-MTE.
- KGTTI shall provide support to student for their placement assistance.
- Each Training program of specified duration will be carried out on mutually agreed terms.
- KGTTI will issue the Certificates to the students after successful completion of the training program. Also, since KGTTI is an authorized Training Academy for CISCO,
- eligible students trained in Cisco authorized courses would get certificates from CISCO along with a discount voucher for the Global Certification Examination (This is subject to fulfilling the Cisco norms)
- KGTTI is associated with FESTO (Festo Authorisation Certification Training Centre)
- KGTTI is also associated with Volkswagen for training in Automobile Service sector

5. General Agreements:

Duration, Amendment and Termination of MOU

- This MOU shall be valid for a period of one years from the date of its signing. During theperiod of the validity, the MOU can be amended any time by mutual consent of both the partiesin writing. The MOU can also be terminated by either party giving the order a written notice ofits desire to terminate the MOU by giving three months

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notice in advance. In the event of such termination both the parties shall cooperate in good spirit for the completion of the ongoing researches.

- Both the parties agree that no action / failure on either part, to act relating to the above proposal, will give raise to / serve as the basis for any claim, obligation or liability on either side.
- This Agreement may be amended with the prior written consent of both the parties.
- Subject to availability of infrastructure and other facilities at KGTTI, students mobilized by AIT-MTEand undergoing training at KGTTI can take up appropriate projects which may be required as part of Academic requirement at AIT-MTE. If required, such projects can be carried out in co-ordination with the associated faculty from AIT-MTE.

6. Course Deliverables:

The list of courses offered, eligibility criteria and fee structure is appended at **Annexure-I.**

- KGTTI will follow its standard methodologies related to conduct, student attendance, globally accepted quality norms, student feedback, internal assessments, examination, evaluation and certification, smooth & effective delivery of course content and competence building of the trainee student.
- The training shall be conducted at KGTTI premises or at the premises of the AIT-MTE.

If the KGTTI satisfies itself on the adequacy of the infrastructure to conduct such as training programs.

- Subject to availability of adequate infrastructure, KGTTI can conduct sandwich courses wherein partial training can be conducted at AIT-MTEpremises or any other mutually agreed place with other associated activities conducted at KGTTI. The minimum &maximum student batch size for commencing a batch will be decided on mutually agreed numbers and it is as per the available seating capacity at KGTTI.
- The listed courses can vary from time to time and courses shall be added / deleted based on mutual convenience, in discussion by both the parties.
- The technical support in terms of presentations and publicity material shall be provided by KGTTI

NOTE:

- The duration of training course per day is flexible to suit the requirements of the Institution / Students/Participants. This will be in mutual consultation between KGTTI and AIT-MTE.
- Also, KGTTI has an open mind to conduct week-end courses i.e., on Saturday and Sunday provided AIT-MTEmobilizes a full batch size of students in any of the streams that it would like to have the training.

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7. Course Fee and mode of payment:

- The course fee at present is as reflected in **Annexure – I**. for regular programs
- Any changes in course fee in future will be communicated.
- For regular programs AIT-MTE shall organize upfront collection of fee from the students mobilized and arrange remittance of the same to KGTTI. KGTTI offers a discount of 20% on the listed course in Annexure-I.
- Course fee to the students mobilized by AIT-MTE in minimum number of participants as per the batch size.
- KGTTI shall issue an appropriate invoice / receipt.
- **For SC/STstudents from Karnataka, course fee is exempted for the listed courses as per Annexure-I.**

Note: All payments shall be made in favour of the **Director, KGTTI - Bengaluru.**

- AIT-MTEfully understands that the fees charged is a fair estimate of the expenditure incurred by KGTTI for utilizing the infrastructure, designing & developing the program content, acquiring the necessary principal licenses, hardware, providing the course material and for arranging lectures by certified experts in the current technologies including assistance in extending placement to eligible students trained in KGTTI.

- KGTTI shall prepare a consolidated list of students mobilized/referred by AIT-MTE and enrolled to the different courses and make available a copy of the same to AIT-MTE as and when the process of admission for the respective courses are completed.

8. Notices:

All notices, requests and other communications under this agreement or in connection herewith, shall be given to the respective parties as follows:

To,
Director,
KARNATAKA GERMAN TECHNICAL TRAINING INSTITUTE [KGTTI],
CoE Building, Bannerughatta Road, Behind Women's ITI,
KaushalyaBhavan Campus, Dairy Circle,
Bengaluru - 560 029.

To,
Principal,
ACHARYA INSTITUTE OF TECHNOLOGY [AIT-MTE]
Soladevanahalli ,Hesaraghatta Road
Bengaluru - 560107

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DEPARTMENT OF MECHATRONICS ENGINEERING, BENGALURU
&
KARNATAKA GERMAN TECHNICAL TRAINING INSTITUTE
BENGALURU

9. Review:

For smooth and efficient functioning and implementation of the MoU, both the parties shall meet at regular intervals on mutually agreed dates and review the program / progress and take action to remove the difficulties / constraints if any in implementing the MoU.

In witness whereof those present have been entered hereto, on the day and year first herein above, written under their respective seal of office.

For KGTTI

Authorized Signatory with Seal

Name: Mr.Sunil Nair
Title: Director
KGTTI
Date: 10.01.2020

DIRECTOR
KGTTI BENGALURU

Witness

Signature:
Name :Mr.Satyanarayana Y K
Designation:Sr. Engineer
KGTTI

Signature:
Name: Mr.Harish S Mankur
Designation: Engineer
KGTTI

For AIT-MTE

Authorized Signatory with Seal

10/01/2020

Name: Dr. Prakash M R
Title: Principal
Acharya Institute of Technology
Date :10.01.2020

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Witness

Signature:
Name:
Designation:
Dept. of Mechatronics Engineering
Acharya Institute of Technology

Signature:
Name: Dr. Devarajaiah R M
Designation: Prof & Dean Academics
Dept. of Mechatronics Engineering
Acharya Institute of Technology

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DEPARTMENT OF MECHATRONICS ENGINEERING

Acharya Dr.Sarvepalli Radhakrishanan Marg,
Soladevanhalli, Hesaraghatta road, Bangalore-107

Industrial visit report

AIT- Mechatronics Engineering wish to acknowledge and appreciate the team of Karnataka German Multi Skill Development Centre **(KGMSDC)** for giving the permission to visit the industry, and acquire knowledge about the process of industrial automation.

Karnataka German Technical Training Institute (KGMSDC) a society promoted by Government of Karnataka with technical support of German International services (GIZ-IS) has setup Karnataka German Multi Skill Development Centre (KGMSDC) Bengaluru.

The primary mission of KGMSDC is to provide broad based multi-disciplinary world class training programs in various technical fields, directed towards the development of specialized skills in alignment with the industry requirement across the globe.



Group photo session at Karnataka German Technical Training Institute (KGMSDC)

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DEPARTMENT OF MECHATRONICS ENGINEERING

Acharya Dr.Sarvepalli Radhakrishanan Marg,
Soladevanhalli, Hesaraghatta road, Bangalore-107

OBJECTIVE OF THE VISIT

To get exposure to modern technologies involving CNC Programming and operation, automation methods, PLC and SCADA in industry in what can be seen as a transition from theoretical knowledge imparted in classroom teaching to that applicable to industry.



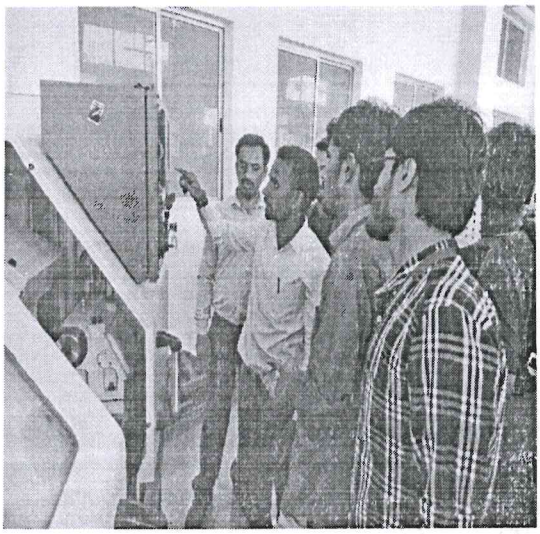
Students and faculty have seen the parts manufactured by industrial automation techniques.

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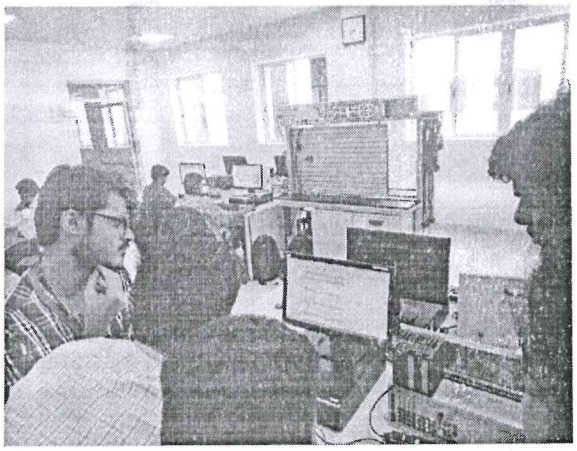
DEPARTMENT OF MECHATRONICS ENGINEERING

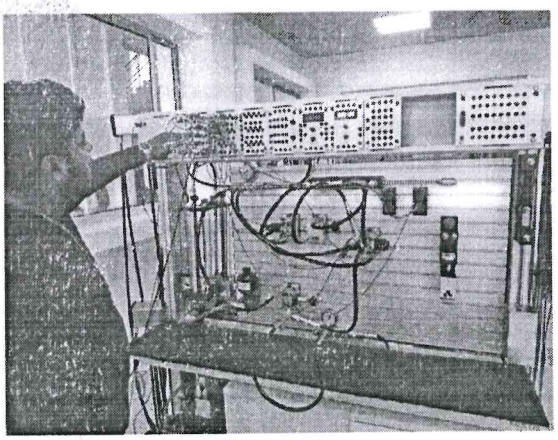
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KGTTI staff explaining the use of CNC machine





Hands on session for students to learn how to program and verify it with actuation system.

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Acharya Dr.Sarvepalli Radhakrishanan Marg,
Soladevanhalli, Hesaraghatta road, Bangalore-107



OUTCOME

a) Students exposed to PLC, SCADA, Embedded system, networking, programming and industrial automation established by FESTO, Volkswagen, and Cisco.

b) Students learnt the importance of technologies like RTOS, CNC programming, networking, hydraulic and pneumatics actuation systems in par with industry standards.

c) Students are exposed to actual working in industry.

Acharya Institute of Technology- Dept. of Mechatronics Engineering, thank KGMSDC for learning experience.

Team- AIT-MTE

Place – Karnataka German Technical Training Institute.
Date – 12th November 2019
Time – 12 pm to 3 pm
Total students- 60
Accompanied by- 2 faculty

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η-RICCI YAMABE SOLITON ON LP-SASAKIAN MANIFOLDS

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Abstract. The objective of the present paper is to carry out η-Ricci Yamabe soliton on LP-Sasakian manifolds satisfying certain curvature conditions $R(\zeta, U_1) \cdot S = 0$ and $S(\zeta, U_1) \cdot R = 0$. The above mentioned team has study gradient η-Ricci Yamabe soliton and cyclic Ricci tensor on LP-Sasakian manifolds admit with η-Ricci Yamabe solitons. Further we have study the conditions for the η-Ricci Yamabe solitons to be shrinking, expanding or steady.

Keywords: Ricci Yamabe soliton; η-Ricci Yamabe soliton; LP-Sasakian manifold.

2010 AMS Subject Classification: 53D10, 53D15.

1. INTRODUCTION

In 1989, K.Matsumato [13] introduced the notion of LP-Sasakian manifold and it has been studied by U.C.De and et.al.,[7], A.A.Shaikh [16], Y.B.Maralabhaviand et.al., [20].

In 1988, Hamilton [10] initiated the notion of Ricci flow and Yamabe flow concurrently. The solution to the Ricci flow and Yamabe flow are known as Ricci soliton and Yamabe soliton respectively. Currently, Giller and Crasmareanu [8] initiated the study of a new geometric flow

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