
METHODIST
COLLEGE OF ENGINEERING & TECHNOLOGY OU
The best way to predict the future is to invent it.
CSE
Trek The Tech
Annual Report 2024 - 25


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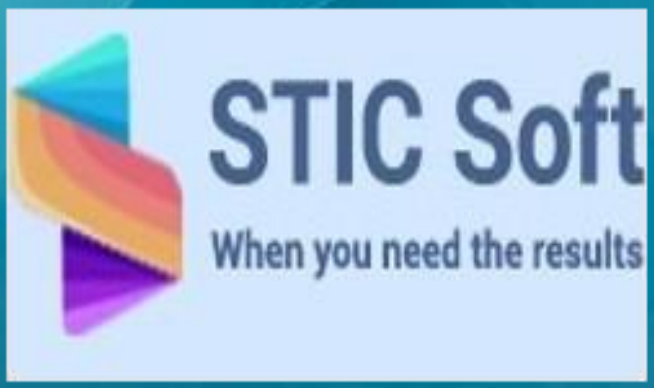

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About the College

GLIMPSE OF THE COLLEGE

Methodist College of Engineering and Technology (MCET) is a Non-Minority Educational institution, was established in the year 2008 on a sprawling 5.0 acres of historic Methodist campus at Abids, Hyderabad. The college provides a serene and tranquil environment to the students boosting their mental potential and preparing them in all aspects to face the global competition with a smile and emerge victorious.

The MCET is approved by AICTE, New Delhi and affiliated to Osmania University, Hyderabad. The College is accredited by NAAC with A+ Grade and all eligible Undergraduate– B.E Programmes are accredited by National Board of Accreditation (NBA). The UGC has granted autonomy to the college for ten years with effect from the Academic Year 2021-22.

The MCET has been established with the support of Executive board of Methodist Church in India that has been gracious and instrumental in making the vision of an Engineering College a reality. The vision is being accomplished by the innovative endeavours of Sri K. Krishna Rao, Correspondent, Methodist College of Engineering and Technology and Edupreneur.

About the Department

GLIMPSE OF THE DEPARTMENT

The Department of Computer Science & Engineering (CSE) and Artificial Intelligence & Data Science (AI&DS) at Methodist College of Engineering and Technology (MCET), established in 2008, provides high-quality education with a focus on innovation and practical learning. With an intake of 300+ students and a dedicated faculty team, the department offers B.E. programs in CSE, CSE (AI), and CSE (AI & ML), along with B.E. Honours and Minors in AI & ML. Students gain expertise in machine learning, data analytics, and programming in languages like JAVA, Python, and R, preparing them for careers in healthcare, e-commerce, and more.

The department emphasizes a student-centric approach with hands-on training in state-of-the-art laboratories, ensuring students work on impactful projects. Continuous evaluation, personalized mentoring, and a balanced mix of academics and extracurricular activities foster holistic development. Collaborations with leading MNCs like Oracle, Amazon, and Wipro provide excellent placement opportunities.

With a vision to nurture future-ready technologists, the department remains committed to innovation, research, and career preparedness, equipping students with the skills needed to succeed in the fast-paced tech industry.

Vision & Mission
CSE DEPARTMENT

OUR VISION

To become a leader in providing Computer Science and Engineering education with emphasis on knowledge and innovation.

OUR MISSION

To offer flexible programs of study with collaborations to suit industry needs.

To provide quality education and training through novel pedagogical practices.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

CSE DEPARTMENT

After 3-5 years of graduation, the graduates will be able to

PEO1: Apply technical concepts, Analyse, synthesize data to Design and create novel products and solutions for the real-life problems.

PEO2: Apply the knowledge of Computer Science Engineering to pursue higher education with due consideration to environment and society.

PEO3: Promote collaborative learning and spirit of teamwork through multidisciplinary projects

PEO4: Engage in life-long learning and develop entrepreneurial skills.

PROGRAM OUTCOMES (POs)

CSE DEPARTMENT

Engineering Graduates will be able to:

PO1. Engineering knowledge: Apply the basic knowledge of mathematics, science and engineering fundamentals along with the specialized knowledge of Computer Science and engineering to understand complex engineering problems.

PO2. Problem analysis: Identify, formulate, design and analyse complex mechanical engineering problems using knowledge of science and engineering.

PO3. Design/development of solutions: Develop solutions for complex engineering problems, design and develop system components or processes that meet the specified needs with appropriate consideration of the public health and safety, and the cultural, societal, and environmental considerations.

PO4. Conduct investigations of complex problems: Formulate engineering problems, conduct investigations and solve using research-based knowledge.

PO5. Modern tool usage: Use the modern engineering skills, techniques and tools that include IT tools necessary for mechanical engineering practice.

PO6. The engineer and society: Apply the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PROGRAM OUTCOMES (POs)

CSE DEPARTMENT

PO7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.

PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities during professional practice.

PO9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10. Communication: Communicate effectively on complex engineering activities to various groups, ability to write effective reports and make effective presentations.

PO11. Project management and finance: Demonstrate and apply the knowledge to understand the management principles and financial aspects in multidisciplinary environments.

PO12. Life-long learning: Recognize the need for and have the preparation and ability to engage in Independent and life-long learning in the broadest context of

PROGRAM SPECIFIC OUTCOMES(PSOs)

CSE DEPARTMENT

At the end of 4 years, Computer Science and Engineering graduates at MCET will be able to:

PSO1: Apply the knowledge of Computer Science and Engineering in various domains like networking and data mining to manage projects in multidisciplinary environments.

PSO2: Develop software applications with open-ended programming environments.

PSO3: Design and develop solutions by following standard software engineering principles and implement by using suitable programming languages and platforms

Message from

The Head of the Department

CSE DEPARTMENT



Welcome to the **2024 edition** of the **Computer Science Department Magazine**! This year has been full of **innovation**, **collaboration**, and **groundbreaking research**. As we celebrate the achievements of our students and faculty, we also look ahead to the future of technology. Through this magazine, we aim to inspire you to continue exploring, learning, and contributing to the world of **computer science**. Here's to more accomplishments, discoveries, and a brighter technological future!

It gives me great pleasure to express my thoughts on the release of our departmental magazine. As you flip through the pages, you will discover the significant milestones the department has achieved this year. Our students have creatively expressed their thoughts, ideas, hopes, and aspirations, reflecting their growth and potential. The faculty members actively participate in **seminars, workshops** to enhance their skills, ensuring they stay at the forefront of education. Our students and staff are encouraged to present papers at conferences, bringing recognition to the college through their contributions.

This magazine serves as a valuable resource, guiding faculty and future students in choosing activities that align with their career goals. The academic activities are continuously reviewed and adapted to keep pace with **emerging technological trends** and innovations. With this momentum and vision, I am confident that the college will continue to earn its place among the leading technical institutions in India. Through the decentralization of college activities at the departmental level, students of the **Mohammed Uzair family** will gain exposure to both **academic and professional fields**, leaving a lasting impact with their expertise, integrity, discipline, and commitment.

Dr Lavanya Pamulaparthy

Prof & Head, CSE,

MCET

Department Achievements

Research Grant

Department Achievements

Recognition

1. **NBA Accreditation**: The Department of **Computer Science and Engineering (CSE)** has been **accredited by NBA** for **three years** starting from **2024**. This accreditation is a recognition of our commitment to maintaining high educational standards and providing quality learning experiences.

2. **Academic Centre for FOSS**: The department has been identified as an **ACADEMIC CENTER** for promoting the learning and usage of **Free & Open-Source Software (FOSS)** by **Spoken Tutorial, IIT Mumbai**. This initiative encourages students to engage with open-source technologies and enhances their skills.

3. **SWAYAM-NPTEL Local Chapter**: In collaboration with the **MHRD, Govt. of India**, the department has established a **SWAYAM - NPTEL local chapter**. This chapter aims to support and facilitate access to online courses and educational resources for students and faculty.

4. **MOU with EduSkills Foundation**: The department has signed a **Memorandum of Understanding (MOU)** with **EduSkills Foundation**, enabling opportunities for skills development and training programs for students, aimed at enhancing

Department Achievements

New Lab Launch

We are excited to announce that we have successfully received the **AICTE Idea Labs offer letter**! This is a significant milestone for our department, and we extend our heartfelt gratitude to the **management**, **Principal Sir**, **Director Sir**, **HODs**, and all the **faculty members** for their unwavering support throughout the application process. We are thrilled to share that an amount of **90 Lakhs** has been sanctioned for the establishment of the new **AICTE Idea Lab**.

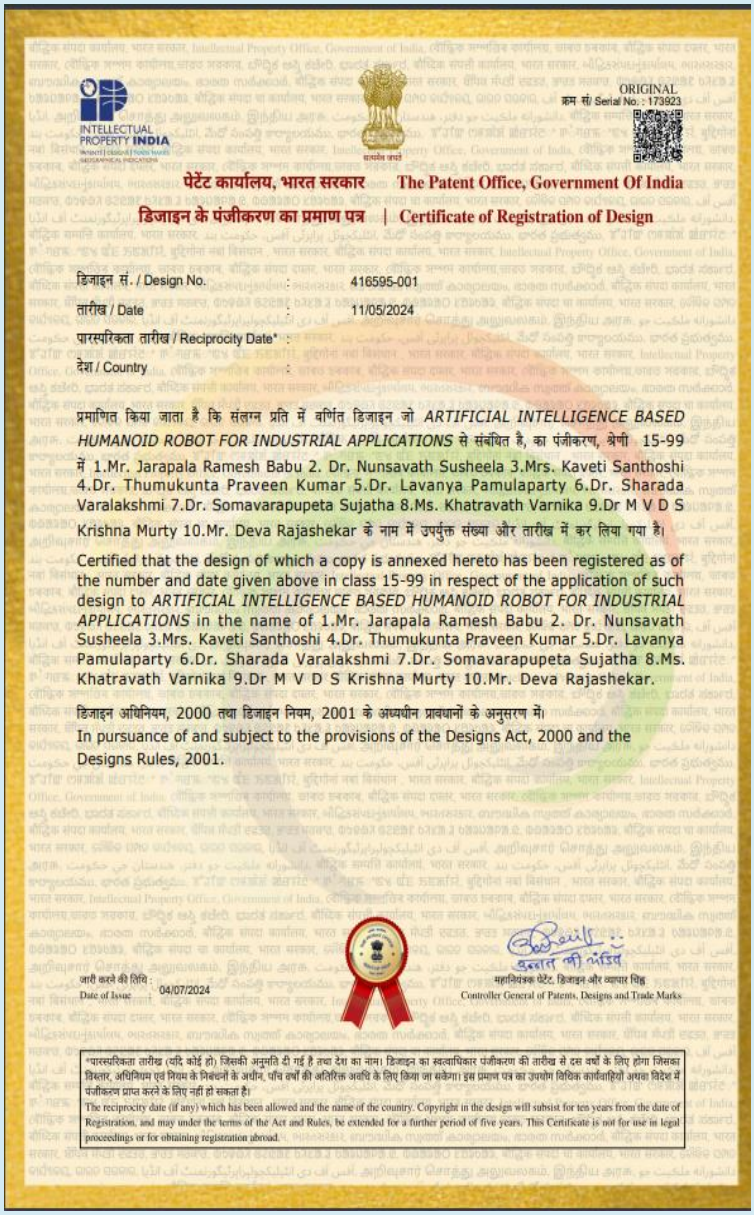
The launch of this state-of-the-art lab marks a new chapter in our commitment to providing cutting-edge technology and practical learning experiences for our students. Equipped with advanced tools and resources, the **AICTE Idea Lab** will foster innovation, creativity, and hands-on learning, allowing students to work on real-world problems, experiment with new ideas, and develop their technical skills. This new facility will empower our students to take their projects and research to the next level, contributing to advancements in the fields of **AI**, **ML**, and **Data Science**.

We are excited for the endless possibilities this lab will bring and look forward to seeing our students thrive in this new environment of growth and innovation.

Research & Innovation

Research

As part of our ongoing commitment to innovation, the Department of Computer Science and Engineering has achieved a significant milestone in the field of robotics and artificial intelligence. A design for the **Artificial Intelligence-Based Humanoid Robot for Industrial Applications** has been successfully registered under Design No. 416595-001. This design, registered on 11th May 2024, was developed by a team of distinguished faculty members, including Dr. Thum Kunta Praveen Kumar, Dr. Lavanya Pamula party, Dr. Sharada Varalakshmi, Dr. M V D S Krishna Murty, and Mr. Deva Rajashekar. This breakthrough represents a significant step forward in AI-driven industrial robotics, aimed at enhancing automation and efficiency in various industries. The design is now protected under the **Designs Act, 2000**, underscoring our department's focus on cutting-edge research and its application to real-world technological challenges.



INTELLECTUAL PROPERTY INDIA

ORIGINAL
क्रम सं/ Serial No. : 173923

पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 416595-001

तारीख / Date : 11/05/2024

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *ARTIFICIAL INTELLIGENCE BASED HUMANOID ROBOT FOR INDUSTRIAL APPLICATIONS* से संबंधित है, का पंजीकरण, श्रेणी 15-99 में 1.Mr. Jarapala Ramesh Babu 2. Dr. Nunsavath Susheela 3.Mrs. Kaveti Santhoshi 4.Dr. Thumukunta Praveen Kumar 5.Dr. Lavanya Pamulaparty 6.Dr. Sharada Varalakshmi 7.Dr. Somavarapupeta Sujatha 8.Ms. Khatravath Varnika 9.Dr M V D S Krishna Murty 10.Mr. Deva Rajashekar के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-99 in respect of the application of such design to *ARTIFICIAL INTELLIGENCE BASED HUMANOID ROBOT FOR INDUSTRIAL APPLICATIONS* in the name of 1.Mr. Jarapala Ramesh Babu 2. Dr. Nunsavath Susheela 3.Mrs. Kaveti Santhoshi 4.Dr. Thumukunta Praveen Kumar 5.Dr. Lavanya Pamulaparty 6.Dr. Sharada Varalakshmi 7.Dr. Somavarapupeta Sujatha 8.Ms. Khatravath Varnika 9.Dr M V D S Krishna Murty 10.Mr. Deva Rajashekar.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 04/07/2024
Date of Issue

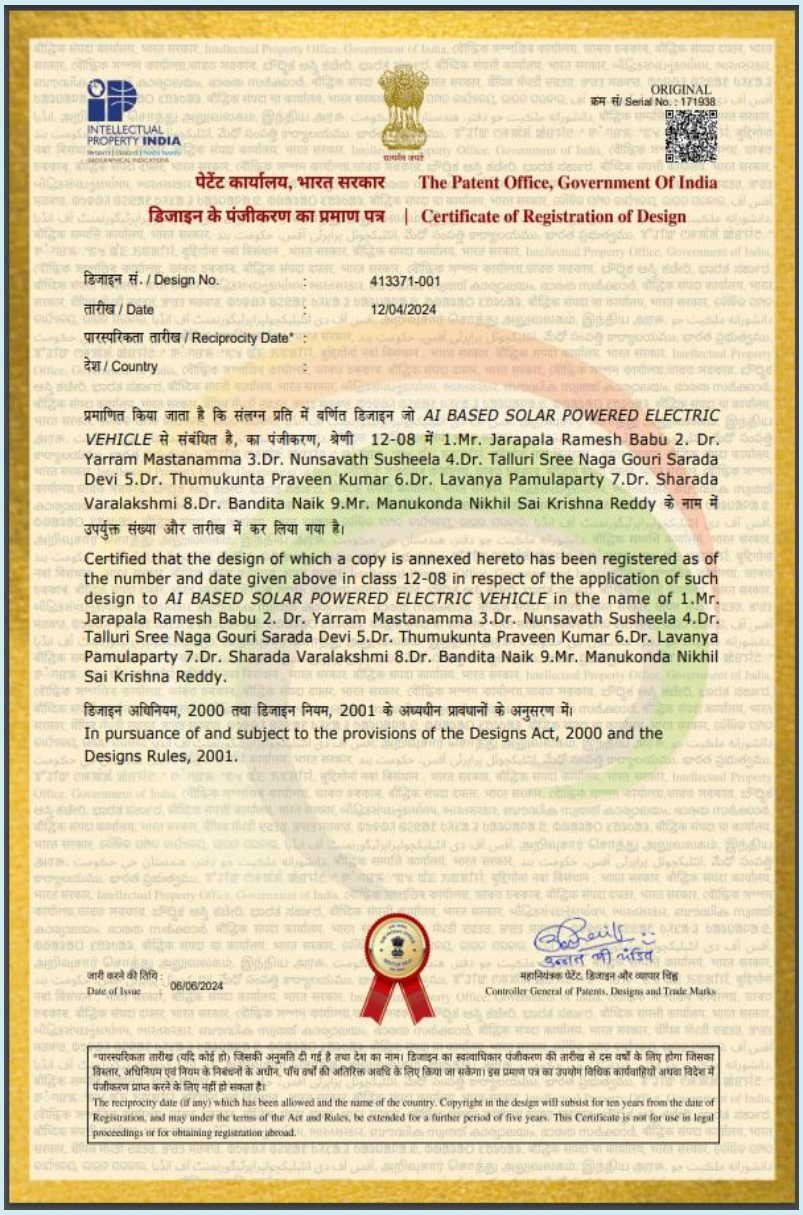
महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

Research & Innovation

Innovation



INTELLECTUAL PROPERTY INDIA

ORIGINAL
क्रम सं/ Serial No. : 171938

पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 413371-001

तारीख / Date : 12/04/2024

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *AI BASED SOLAR POWERED ELECTRIC VEHICLE* से संबंधित है, का पंजीकरण, श्रेणी 12-08 में 1.Mr. Jarapala Ramesh Babu 2. Dr. Yarram Mastanamma 3.Dr. Nunsavath Susheela 4.Dr. Talluri Sree Naga Gouri Sarada Devi 5.Dr. Thumukunta Praveen Kumar 6.Dr. Lavanya Pamulaparty 7.Dr. Sharada Varalakshmi 8.Dr. Bandita Naik 9.Mr. Manukonda Nikhil Sai Krishna Reddy के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 12-08 in respect of the application of such design to *AI BASED SOLAR POWERED ELECTRIC VEHICLE* in the name of 1.Mr. Jarapala Ramesh Babu 2. Dr. Yarram Mastanamma 3.Dr. Nunsavath Susheela 4.Dr. Talluri Sree Naga Gouri Sarada Devi 5.Dr. Thumukunta Praveen Kumar 6.Dr. Lavanya Pamulaparty 7.Dr. Sharada Varalakshmi 8.Dr. Bandita Naik 9.Mr. Manukonda Nikhil Sai Krishna Reddy.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 06/06/2024
Date of Issue

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
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*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

The Department of Computer Science and Engineering is proud to announce the successful registration of the design for the **AI-Based Solar Powered Electric Vehicle** (Design No. 413371-001) on 12th April 2024. This innovative design, created by a team of distinguished faculty members including Dr. Thum Kunta Praveen Kumar, Dr. Lavanya Pamula party, Dr. Sharada Varalakshmi represents a major leap forward in the integration of artificial intelligence and renewable energy. This solar-powered electric vehicle leverages AI to optimize energy efficiency and sustainability, contributing to the growing need for green technologies in the transportation sector. The design is officially registered under the **Designs Act, 2000**, ensuring its protection and recognition. This achievement is a testament to the department's commitment to advancing cutting-edge technologies with practical applications that address global challenges in energy and transportation.

Student Contributions

Triumphs





Our students continue to excel and make significant contributions to the field of technology with their innovative projects. Their hard work and dedication have led them to actively present their research and projects at various prestigious conferences, where they have showcased their creativity, technical skills, and problem-solving abilities. These projects cover a wide range of emerging and impactful areas such as Artificial Intelligence, Machine Learning, and Cybersecurity. Through these endeavours, our students not only demonstrate their deep understanding of complex concepts but also gain valuable exposure and recognition in the academic and professional community. Their efforts are a testament to the department's commitment to nurturing the next generation of technology leaders who are equipped to tackle real-world challenges.

S.No	Student Name	Roll No	Certifications
1.	Fareeha Ali	160721733015	1. Completed Internship - iHub-Data - SHRISHTI24 - At IIIT Hyderabad (05-Feb-2024 - 05-July-2024) 2. Attended Inaugural Event of IEEE Sensors Council Chapter, MCET (29-June-2024)
2.	Robin Thomas Antony	160721733027	1.NLP Unleashed: Cutting-Edge Methods and Applications
3.	Mohan Kumar	160721733094	1. Completed AI/ML Virtual Internship 2.Certificate of completion on "Go Language for Data Science and NLP Processing"
4.	Zahra Hussaini Syeda	160721733127	1. Certificate of completion for generative ai study jam 2. Completed AI/ML Virtual Internship 3. Completed Android Developer Internship
5.	Mohammed Abdul Muqtadir	160721747043	1. Google for Developers Machine Learning with TensorFlow
6.	Bale Sharwani	160721747033	1. AIML Virtual Internship 2. CCNAv7: Switching, Routing, and Wireless Essentials 3. CCNAv7: Enterprise Networking, Security, and Automation
7.	G.SAI VARSHITH	160721747098	1. Cybersecurity Essentials 2. Introduction to Cybersecurity 3. Introduction to Packet Tracer 4.Partner: PCAP - Programming Essentials in Python 5. Completed AI/ML Virtual Internship 6. Webinar on Sources of Datasets Attended by AIMERS Society
8.	N. Prashanth	160721747066	1. AI-ML Virtual Internship 2. Gen AI
9.	D. Laxmi Sahithi	160721747097	1. AI-ML Internship by Eduskills 2. Participated in the Inaugural event of IEEE Sensors Council Chapter
10.	M. Rithvik Yadav	160721747099	1. AI-ML Virtual Internship
11.	Lavanya Kaguturi	160721747114	1. Google AI & ML Virtual Internship 2. Google Android Developer Virtual Internship
12.	Gudapati Harini	160721747118	1. Google AI & ML Virtual Internship 2. Data Science Virtual Internship in Cod Soft

S.No	Student Name	Roll No	Certifications
13.	Pulimamidi Sai Vamshi	160721747119	1. Google Android Developer Virtual Internship
14.	S.M.Hasanuddin	160722733002	1.IBMSkills Build Summer Internship Program on AI.
15.	Divakaruni Naga Ashwin	160722733008	1. EduSkill Techcamp on Google Android 2.Google Android Developer Virtual Internship
16.	V M S Sainath Chakravadhanula	160722733010	1.Google AI & ML Virtual Internship
17.	Aavulaw Trishal	160722733059	1.Google Android Developer Virtual Internship
18.	Mudumba Srinidhi	160722733304	4. Android Developer Virtual Internship
19.	Madasu Prakash	160722733307	1. Completed certificate in python essentials conducted by Cisco
20.	Zunaira Fatima	160722733067	1. CCNAv7: Introduction to Networks
21.	Gutam Sriram	160722733069	1.Attended a webinar on Delnet resources and services. 2.Attended a webinar on Knowledge graph connecting information over semantic web. 3.Eduskills tech camp on Google Android 4. Successfully completed "CCNAv7: Introduction to Networks"
22.	Kshama jain	160722733070	1.Eduskills tech camp on Google Android 2.Successfully completed "CCNAv7: Introduction to Networks" 3.Attended a webinar on Del net resources and services.
23.	Sri Vardhan Jandhyala	160722733078	1.Completed Course on "Introduction to Packet Tracer" 2.Cybersecurity Essentials 3.Introduction to Cybersecurity 4.Programming Essentials in Python 5.Introduction to Networks
24.	Vallepogu DurgaPrasad	160722733111	1. CCNAV7: Introduction to Networks
25.	Anikha Tam kinath	160722733118	1.CCNAV7: Introduction to Networks 2. Attended a webinar on Del net resources and services.

S.No	Student Name	Roll No	Certifications
26.	Harshitha	160722733127	1.CCNAV7:Introduction to Networks 2. Eduskills techcamp on Google Android 3. Attended a webinar on Delnet resources and services
27.	H. Rahul	160722747074	1. EduSkills Android Workshop
28.	Saif	160722747076	Gurunanak IEEE Hackathon Participation
29.	N. Srikar	160722747079	1.EduSkills Virtual Internship Generative AI 2. Pantech AI web development virtual Internship
30.	Sri Nithya	160722747081	1.EduSkills Virtual Internship Generative AI
31.	Srikar	160722747098	1. EduSkills Android Workshop 2.Hackerrank Python Certification 3. EduSkills Virtual Internship AI&ML 5.
32.	V.Bhanu	160722747104	1. Guvi Roadmap of jobs L4G AI Virtual Internship
33.	D.Maneesha	160722747107	1.EduSkills Virtual Internship Generative AI
34.	CH.Teja	160722747109	1.SimpliLearn Data Science
35.	G.Anjali	160722747125	1.EduSkills Virtual Internship Generative AI
36.	L.Vaishnavi	160722747116	1.EduSkills Virtual Internship Generative AI 2.Internpe Web Development Virtual Internship 3.EduSkills Virtual Internship Android Development
37.	K. Rahul Babu	160722747310	1.EduSkills Virtual Internship Generative AI
38.	C. Taruni	160722747112	1.L4G- AI powered apps 2. EduSkills Virtual Internship AI&ML 3. Coding Foundations SoloLearn 4. Guvi Seminar on Road map to jobs.
39.	B. Vishal	160722747113	1. EduSkills Virtual Internship AI&ML EduSkills Android Workshop
40.	M. Sandhya	160722747119	1. EduSkills Android Workshop 2. CodeSoft Python Internship 3.Python certification of Infosys Springboard

S.No	Student Name	Roll No	Certifications
41.	M. Manikanta	160722747124	1. EduSkills Android Workshop
42.	R. Sai Krishna	160722747126	1.EduSkills Virtual Internship Generative AI
43.	MOHAMMED SAAD UDDIN	160723733051	1.Guest Lecture on Applications of Sensors in Missiles and Launch Vehicles

Faculty Insights



Proud Moments

1. **Dr. Lavanya Pamula party** is **SPOC** (Single Point Of Contact) for **SWAYAM-NPTEL local chapter.**

2. **Certification of Appreciation awarded to Dr. Lavanya Pamula party** for her Instrumental role in making the **Coursera for Corona Virus (C4CV) initiative a grand success.**

3. **Mr T Praveen Kumar** is **SPOC** (Single Point Of Contact) for **Spoken Tutorial, IIT Bombay**

4. **Dr. Deva Rajashekar** has been awarded a doctorate for his thesis titled **"A Hybrid Multi-Classification of Erythema to Squamous Disease with a Tuned Novel Ensemble and Novel Activator for Artificial Neural Network."** from JNTU Hyderabad.

5. **Mr. Shaik Rasool has been awarded "Microsoft Learn Cloud Skills Challenge at Build 2021"**



Faculty Development Programs

Our esteemed **professors** actively participate in Faculty Development Programs **(FDPs)** to enhance their academic and professional growth. These programs focus on various domains such as Artificial Intelligence (AI), Machine Learning (ML), and Data Science, allowing our professors to integrate cutting-edge technologies into their teaching.

Additionally, **FDPs** on contemporary pedagogical approaches, including flipped classrooms and project-based learning, help refine teaching methodologies to create a student-centric environment. Professors also attend programs aimed at research excellence, including advanced research techniques and academic writing, to contribute to global academic communities. Moreover, digital education-focused FDPs ensure our professors stay adept with online teaching tools and digital learning strategies, facilitating effective hybrid education.

Personal and professional development is also prioritized, with programs that enhance leadership skills, communication, and soft skills, fostering positive student engagement. Through these FDPs, held in collaboration with prestigious institutions and experts, our professors continually raise their professional standards, benefiting both their personal growth and the academic experience of our students.

S.No.	Name of the faculty	Name of the FDP	Date of the FDP
1	Dr. P. Lavanya	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024

2	Dr. Sharada Varalakshmi	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
3	Dr.T.Praveen Kumar	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
4	Dr. U.Moulali	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
5	Dr. U.Moulali	Design Thinking: Unleashing Creativity in Product Development	19.08.2024 to 24.08.2024
6	Dr. Diana Moses	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
7	Dr. Shaik Khaleel Ahamed	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
8	Dr. Shaik Khaleel Ahamed	FDP on Artificial Intelligence in Education Integrating AI into Computer Science Curriculum	24.06.2024 to 29.06.2024
9	Dr. Shaik Khaleel Ahamed	Exploring Computational Intelligence	16.07.2024 to 20.07.2024
10	Dr. U.Moulali	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
11	Dr. U.Moulali	Design Thinking: Unleashing Creativity in Product Development	19.08.2024 to 24.08.2024
12	Mr. Mujtaba Gulam Muqeeth	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
13	Mr. Mujtaba Gulam Muqeeth	Design Thinking: Unleashing Creativity in Product Development	19.08.2024 to 24.08.2024
14	Dr. Shruthi SK	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
15	Dr.G.Saritha	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
16	Dr. MVDS Krishnamurty	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
17	Dr.G.Saritha	Recent Trends and Future applications in Natural Language Processing	29.05.2024 to 08.06.2024
18	Dr. MVDS Krishnamurty	Recent Trends and Future applications in Natural Language Processing	29.05.2024 to 08.06.2024
19	Mrs.Unnati Khanapurkar	Exploring Computational Intelligence	16.07.2024 to 20.07.2024
20	Mrs.Unnati Khanapurkar	Exploring New Frontiers in Teaching Tools, AI and Data Analytics	29.07.2024 to 02.08.2024
21	Mrs.Unnati Khanapurkar	Exploring machine learning cyber security: Tools and trends	05.08.2024 to 09.08.2024
22	Mrs.Unnati Khanapurkar	Machine Learning and Artificial Intelligence	12.08.2024 to 19.08.2024

S.No.	**Name of the faculty**	**Name of the FDP**	**Date of the FDP**
23	Mrs.Unnati Khanapurkar	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024

24	Mrs.Unnati Khanapurkar	Artificial Intelligence's Impact on Transforming Software, Robotics , Electrical	05.08.2024 to 10.08.2024
25	Mrs.Unnati Khanapurkar	NLP Unleashed: Cutting-Edge Methods and Applications	27.08.2024 to 31.08.2024
26	Mrs.B.Sowjanya	Exploring New Frontiers in Teaching Tools, AI and Data Analytics	29.07.2024 to 02.08.2024
27	Mrs.B.Sowjanya	Exploring Computational Intelligence	16.07.2024 to 20.07.2024
28	Mrs.B.Sowjanya	Machine Learning and Artificial Intelligence	12.08.2024 to 19.08.2024
29	Mrs.B.Sowjanya	Artificial Intelligence's Impact on Transforming Software, Robotics , Electrical	05.08.2024 to 10.08.2024
30	Mrs.B.Sowjanya	NLP Unleashed: Cutting-Edge Methods and Applications	27.08.2024 to 31.08.2024
31	Mrs. J. Sowmya	Exploring Computational Intelligence	16.07.2024 to 20.07.2024
32	Mrs. J. Sowmya	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
33	Mr.Shaik Rasool	FDP on Artificial Intelligence in Education Integrating AI into Computer Science Curriculum	24.06.2024 to 29.06.2024
34	Mr.Shaik Rasool	Empowering Educators with AI And ML: Strategies and Application	08.07.2024 to 12.07.2024
35	Mr.Shaik Rasool	National Level FDP on Exploring Computational Intelligence	16.07.2024 to 20.07.2024
36	Mr.Shaik Rasool	FDP on Recent Trends in Computational Sciences	22.07.2024 to 26.07.2024
37	Mr.Shaik Rasool	International FDP on Exploring New Frontiers in Teaching Tools, AI and Data Analytics	29.07.2024 to 02.08.2024
38	Mr.Shaik Rasool	FDP on Artificial Intelligence's Impact on Transforming Software, Robotics, Electrical, Electronics & Mechanical fields	05.08.2024 to 10.08.2024
39	Mr.Shaik Rasool	FDP on Evolution of Gen AI- Past, Present and Future	19-08-2024 to 24-08-2024
40	Mr.Shaik Rasool	International FDP on Machine Learning and Artificial Intelligence	12-08-2024 to 19-08-2024
41	Mrs Vasavi Sravanthi Balusa	FDP on Artificial Intelligence in Education Integrating AI into Computer Science Curriculum	24.06.2024 to 29.06.2024
42	Mrs Vasavi Sravanthi Balusa	Empowering Educators with AI And ML: Strategies and Application	08.07.2024 to 12.07.2024

S.No.	Name of the faculty	Name of the FDP	Date of the FDP
43	Mrs Vasavi Sravanthi Balusa	National Level FDP on Exploring Computational Intelligence	16.07.2024 to 20.07.2024

44	Mr. Srinu Dharavath	Microsoft Azure AI Engineer Associate	03.06.2024 to 07.06.2024
45	Mr. Srinu Dharavath	Exploring Computational Intelligence	16.07.2024 to 20.07.2024
46	Mr.Venkatram Vennam	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
47	Mrs.A.Sowjanya	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
48	Mr. A.A.R.Senthil kumaar	Microsoft Azure AI Engineer Associate	03.06.2024 to 07.06.2024
49	Mr. A.A.R.Senthil kumaar	Exploring Computational Intelligence	16.07.2024 to 20.07.2024
50	Mr. A.A.R.Senthil kumaar	Machine Learning and Artificial Intelligence	12.08.2024 to 19.08.2024
51	Mr. A.A.R.Senthil kumaar	Artificial Intelligence's Impact on Transforming Software, Robotics , Electrical	05.08.2024 to 10.08.2024
52	Mr. A.A.R.Senthil kumaar	Exploring Machine Learning Cyber Security: Tools and Trends	05.08.2024 to 09.08.2024
53	Mr. A.A.R.Senthil kumaar	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
54	Mr.Srinu Dharavath	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
55	Ms.Sana Mateen	Exploring Machine Learning Cyber Security: Tools and Trends	05.08.2024 to 09.08.2024
56	Ms.Sana Mateen	Machine Learning and Artificial Intelligence	12.08.2024 to 19.08.2024
57	Ms.Sana Mateen	NLP Unleashed: Cutting-Edge Methods and Applications	27.08.2024 to 31.08.2024
58	Ms.Sana Mateen	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
59	Mrs.K.Keerthi	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024
60	Mrs.J.Harika	Empowering Educators with AI And ML: Strategies and Application	08.07.2024 to 12.07.2024
61	Mrs.J.Harika	FDP on Artificial Intelligence in Education Integrating AI into Computer Science Curriculum	24.06.2024 to 29.06.2024
62	Mrs.J.Harika	National Level FDP on Exploring Computational Intelligence	16.07.2024 to 20.07.2024
63	Mrs.J.Harika	FDP on Recent Trends in Computational Sciences	22-07-2024 to 26-07-2024
64	Mrs.J.Harika	Artificial Intelligence impact on transforming Software, Robotics, Electrical, Electronics & Mechanical fields.	5-08-2024 to 10-08-2024

S.No.	Name of the faculty	Name of the FDP	Date of the FDP
65	Mrs.J.Harika	Exploring New Frontiers in Teaching Tools, AI and Data Analytics	29-07-2024 to 02-08-2024.

66	Mrs.J.Harika	Evolution of Generative AI- Past, Present and Future	19-08-2024 to 24-08-2024
67	Ms. P. Nandini	National Level FDP on Exploring Computational Intelligence	16.07.2024 to 20.07.2024
68	Ms. P. Nandini	Microsoft Azure AI Engineer Associate	03.06.2024 to 07.06.2024
69	Ms. P. Nandini	Exploring Machine Learning Cyber Security: Tools and Trends	05/08/2024-09/08/2024
70	Ms. P. Nandini	Artificial intelligence's Impact on Transforming Software, Robotics, Electrical, Electronics & Mechanical Fields	05/08/2024-10/08/2024
71	Ms. P. Nandini	Evolution of Generative AI- Past, Present and Future	19/08/2024-24/08/2024
72	Ms. P. Nandini	Machine Learning and Artificial Intelligence	12/08/2024-19/08/2024
73	Mrs. M. Aruna	National Level FDP on Exploring Computational Intelligence	16.07.2024 to 20.07.2024
74	Mrs. M. Aruna	Evolution of Generative AI- Past, Present and Future	19.08.2024 to 24.08.2024

Conference/STTPs/ Seminar/Workshops

S. No.	Name of the Faculty	Name of the Workshop/STTP/Conference	Date
1	Dr.P.Lavanya	Two-Day Workshop on “Discover Unlock and Activate Empowering Employees for Peak Performance”	28.08.2024 to 29.08.2024
2	Dr. MVDS Krishnamurty	National Workshop on AI,Electrification & IOT	19.06.2024
3	Mr. Shaik Rasool	Workshop on Discover, Unlock and Activate Empowering Employees for Peak Performance	28.08.2024 to 29.08.2024
4	Dr. Shaik Khaleel Ahamed	Compact Modeling of GaN HEMTs for High Frequency and High-Power Applications	09.06.2024
5	Mr.Shaik Rasool	Webinar on Compact Modeling of GaN HEMTs for High Frequency and High-Power Applications	09.06.2024

S. No.	Name of the Faculty	Name of the Workshop/STTP/Conference	Date
6	Mrs.Vasavi Sravanthi Balusa	Compact Modeling of GaN HEMTs for High Frequency and High Power Applications	09.06.2024

7	Mrs.Radhika Konduru	Webinar on " DELNET : Resources & Services "	19.06.2024
8	Dr.Shaik Khaleel Ahamad	Workshop on Discover, Unlock and Activate Empowering Employees for Peak Performance	28.08.2024 to 29.08.2024
9	Mr. Shaik Rasool	Workshop on Discover, Unlock and Activate Empowering Employees for Peak Performance	28.08.2024 to 29.08.2024
10	Mr. Shaik Rasool	National Webinar on "Applications of Artificial Intelligence	16.08.2024
11	Dr. Shaik Khaleel Ahamed	Early Detection and Accurate Prediction of Heart Disease: The Role of Stacked GRU-TCN Model	23.07.2024
12	Mrs.Harika Juluri	Workshop on Discover, Unlock and Activate Empowering Employees for Peak Performance	28.08.2024 to 29.08.2024
13	A.A.R.SENTHIL KUMAAR	Workshop on Discover, Unlock and Activate Empowering Employees for Peak Performance	28.08.2024 to 29.08.2024

Journal Publications

S. No	Faculty Name	Title of the Paper	Name of the Journal	ISSN Number, Volume, Issue, Page numbers
1	Dr P Lavanya	Data Analytics & Visualization Using Tableau for Adidas Sales from Year 2015-2022	International Journal of Advanced Research in Education and Technology (IJARETY)	Volume 11, Issue 4, July-August 2024, pp 1541-45, ISSN: 2394-2975
2	Dr P Lavanya	British Airways Reviews Analysis	International Journal of Scientific Research & Engineering Trends	Volume 10, Issue 4, July-Aug-2024, ISSN (Online): 2395-566X
3	Dr. M Sharada Varalakshmi	Data Visualization in Financial Crime Detection: Applications in Credit Card Fraud	International Journal of Scientific Research in Engineering and Management.	ISSN: 2582-3930

S. No	Faculty Name	Title of the Paper	Name of the Journal	ISSN Number, Volume, Issue, Page numbers

4	Dr. M Sharada Varalakshmi	Modeling and Analyzing Cyber Hacking Breaches	International Journal of Multidisciplinary Research in Science , Engineering and Technology	2582-7219
5	Dr T Praveen Kumar	Data Analytics and Visualization using Tableau for Churn in the E-Commerce Sector	International Journal of Advanced Research in Education and Technology (IJARETY)	Volume 11, Issue 4, July-August 2024, pp 1448-55, ISSN: 2394-2975
6	Dr T Praveen Kumar	Role of EV Vehicles in Combating CO2 Emissions	International Journal of Advanced Research in Education and Technology (IJARETY)	Volume 11, Issue 4, July-August 2024, pp 1413-20, ISSN: 2394-2975
7	Dr. Diana Moses	Food Price Outlook: Forecasting Food Prices with Enhanced Methodologies	International Journal of Advanced Research in Education and Technology (IJARETY)	Volume 11, Issue 4, July-August 2024, pp 1509-18, ISSN: 2394-2975
8	Dr. Diana Moses	Data Visualization on used Car's Dataset using Tableau	International Journal of Advanced Research in Education and Technology (IJARETY)	Volume 11, Issue 4, July-August 2024, pp 1541-45, ISSN: 2394-2975
9	Dr. Diana Moses	The IPL 2017 Story: Insights through Data Visualization	International Journal of Advanced Research in Education and Technology (IJARETY)	Volume 11, Issue 4, July-August 2024, pp 1466-73, ISSN: 2394-2975
10	Dr. Diana Moses	Data Analytics and Visualization Using Tableau Utilitarian for IMDB Movies & Shows	International Journal of Progressive Research in Engineering Management and Science (IJPREMS)	Volume 04, Issue 07, July 2024, pp: 1003-1024, e-ISSN: 2583-1062

S. No	**Faculty Name**	**Title of the Paper**	**Name of the Journal**	**ISSN Number,**

				Volume, Issue, Page numbers
11	Dr. Diana Moses	Data Visualization on Netflix User Base Dataset Using Tableau	International Journal of Progressive Research in Engineering Management and Science (IJPREMS)	Volume 04, Issue 07, July 2024, pp: 962-974, e-ISSN: 2583-1062
12	Dr. Diana Moses	Indian Premier League 2022	International Journal of Scientific Research & Engineering Trends	Volume 10, Issue 4, July-Aug-2024, pp 1147 – 53, ISSN (Online): 2395-566X
13	Dr. Diana Moses	Data Analytics and Visualization using Tableau on Weather Dataset	International Journal of Advanced Research in Education and Technology (IJARETY)	Volume 11, Issue 4, July-August 2024, pp 1403-12, ISSN: 2394-2975
14	Dr. Diana Moses	The Anatomy of Amazon Sales: Insights and Trends Unveiled	International Journal of Innovative Research in Computer and Communication Engineering	Volume 12, Issue 7, July 2024, pp 9497-510, e-ISSN: 2320-9801, p-ISSN: 2320-9798
15	Dr. Diana Moses	Data Analysis for Global Superstore in Tableau	International Journal of Advanced Research in Education and Technology (IJARETY)	Volume 11, Issue 4, July-August 2024, pp 1375-82, ISSN: 2394-2975
16	Dr. Diana Moses	Data Analytics and Visualization using Tableau for COVID-19(Coronavirus)	International Journal of Advanced Research in Education and Technology (IJARETY)	Volume 11, Issue 4, July-August 2024, pp 1430-4, ISSN: 2394-2975
17	Dr. Diana Moses	Comparative study of Brain Tumor Detection and Segmentation with dufferent Deep Learning Models using Magnetic Resonance Images	Internation Journal of Multidisciplinary Research in Science , Engineering and Technology	Volume 7, Issue 6, June 2024, pp 11028-35, ISSN:2582-7219

S. No	Faculty Name	Title of the Paper	Name of the Journal	ISSN Number, Volume, Issue, Page numbers
18	Dr. Diana Moses	Instant Skin Disease Prediction Bot	Internation Journal of Multidisciplinary Research in Science , Engineering and Technology	Volume 7, Issue 6, June 2024, pp 11013 – 9, ISSN;2582-7219
19	Dr. Diana Moses	Automated Face Recognition and Clustering for Efficient Event Photo Management and Delivery	International Journal of Innovative Research of Sciencen Engineering and Technology	Volume 13, Issue 6 e-ISSN:2319-8753 P;2347-6710
20	Dr. Shaik Khaleel Ahamed	A Secure Framework based on Hybrid Cryptographic Scheme and Trusted Routing to Enhance the QoS of a WSN	Engineering, Technology & Applied Science Research	1792-8036
21	Dr. Shaik Khaleel Ahamed	Medinsight: Unveiling Health Patterns	International Journal of Advanced Research in Education and Technology	ISSN: 2394-2975
22	Dr. Diana Moses	Data Analysis for Global Superstore in Tableau	International Journal of Advanced Research in Education and Technology (IJARETY)	Volume 11, Issue 4, July-August 2024, pp 1375-82, ISSN: 2394-2975
23	Dr. Diana Moses	Data Analytics and Visualization using Tableau for COVID-19(Coronavirus)	International Journal of Advanced Research in Education and Technology (IJARETY)	Volume 11, Issue 4, July-August 2024, pp 1430-4, ISSN: 2394-2975
24	Dr. U.Moulali	Auto Care Booking System	International Journal of Advanced Research in Education and TechnologY	ISSN: 2394-2975

S. No	Faculty Name	Title of the Paper	Name of the Journal	ISSN Number, Volume, Issue, Page numbers
25	Dr. U. Moulali	Lung cancer Detection using CNN with Transfer Learning	International Journal of All Research Education and Scientific Methods (IJARESM)	ISSN: 2455-6211, Volume 12, Issue 7, July-2024
26	Mr. Deva Rajashekar	A Genetic Algorithm based Hyperparameter Tuning of Convolutional Neural Networks for Breast Cancer Detection	International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)	Volume 7, Issue 7,ISSN: 2582-7219 |
27	Mrs. Unnati Khanapurkar	Efficient Data Hiding System Using Image Steganography	International Journal of Scientific Research in Engineering and Management	Volume: 08 Issue: 06 | June - 2024 SJIF Rating: 8.448 ISSN: 2582-3930
28	Mrs. Unnati Khanapurkar	Image captioning for visually impaired	International Journal of Scientific Research in Engineering and Management	Volume: 08 Issue: 06 | June - 2024 SJIF Rating: 8.448 ISSN: 2582-3930
29	Mrs. Unnati Khanapurkar	Captioning of images for visually impaired person	International journal of creative research thoughts	Volume 12, Issue 6 June 2024 | ISSN: 2320-2882
30	Mrs. Unnati Khanapurkar	Rsa encryption with lsb steganography for embedding data into images	International Journal of Research and Analytical reviews	Volume 11, Issue 3
31	Mr. Mujtaba G. M	Evaluate and Compare the Sentiment Analysis using SVM, Random Forest and Logistic Regression	Journal of emerging technologies and innovative research	Volume 11, Issue 7 www.jetir.org (ISSN-2349-5162)

S. No	Faculty Name	Title of the Paper	Name of the Journal	ISSN Number, Volume, Issue, Page numbers
32	Mr. Mujtaba G. M	Autism support system	International journal of creative research thoughts	Volume 12, Issue 7 July 2024 | ISSN: 2320-2882
33	Mr. Mujtaba G. M	Video Forensics: A Comprehensive Study	International Journal of Engineering Research in Computer Science and Engineering	Volume 11 Issue 07 July 2024 ISSN (Online) 2394-2320
34	Mr.Shaik Rasool	INTELICON: The Smart Conference of Tomorrow	Journal of Emerging Technologies and Innovative Research	ISSN: 2349-5162
35	Mr.Shaik Rasool	Smart Fitness Training System using Computer Visio	International Journal of Creative Research Thoughts	ISSN:2320-2882, Volume.12, Issue 7, pp.i772-i777
36	Mr. Shaik Rasool	Abnormal Activity Detection by Leveraging AI	International Journal of All Research Education & Scientific Methods	ISSN: 2455-6211, Volume 12 Issue 8, Page 1 to 6
37	Mrs. Vasavi Sravanthi Balusa	An Effective Intrusion Detection System for Edge Computing Using ConvNext and ResNet152V2	International Journal of Computational Intelligence and Applications	ISSN (online): 1757-5885
38	Mrs. Vasavi Sravanthi Balusa	Bert-based classification of human and ai generated text	Journal of Emerging Technologies and Innovative Research	ISSN: 2349-5162

S. No	Faculty Name	Title of the Paper	Name of the Journal	ISSN Number, Volume, Issue, Page numbers
39	Mr.AAR.SENTHIL KUMAAR	Multiple Disease Prediction System	International journal of multidisciplinary research in science, engineering and technology	Volume 7, Issue 7, July 2024 ISSN: 2582-7219
40	Mr. AAR.SENTHIL KUMAAR	Enhancing Predictions of Global Temperature Trends: A Dynamic Systems Mathematical Modelling Approach with LSTM Algorithm and Machine Learning	Journal of Biological Sciences	Volume 6, Issue 6, July 2024
41	Mrs. J. Harika	Text-Based Stress Detection And Classification Using Machine Learning	International journal of creative research thoughts	ISSN: 2320-2882 Volume 12, Issue 7 July 2024
42	Mrs. J. Harika	Emotion Based Music Recommendation System	International Journal of All Research Education and Scientific Methods (IJARESM)	ISSN: 2455-6211 Volume 12, Issue 7 July 2024
43	Mrs. J. Harika	Text-Based Stress Detection and Classification Using Machine Learning	International journal of creative research thoughts	ISSN: 2320-2882 Volume 12, Issue 7 July 2024
44	Mrs. J. Harika	Emotion Based Music Recommendation System	International Journal of All Research Education and Scientific Methods (IJARESM)	ISSN: 2455-6211 Volume 12, Issue 7 July 2024

Certifications

S. No.	Name of Faculty	Name of Course	Name of Learning Platform	Date of Exam / Certification
1	Mr.Shaik Rasool	Introduction to Generative AI	Google Cloud Skills Boost	4 June 2024
2	Mr.Shaik Rasool	Introduction to Large Language Models	Google Cloud Skills Boost	4 June 2024
3	Mr.Shaik Rasool	Introduction to Responsible AI	Google Cloud Skills Boost	4 June 2024
4	Mr.Shaik Rasool	Responsible AI: Applying AI Principles with Google Cloud	Google Cloud Skills Boost	4 June 2024
5	Mr.Shaik Rasool	Prompt Design in Vertex AI	Google Cloud Skills Boost	5 June 2024
6	Mr.Shaik Rasool	Introduction to Image Generation	Google Cloud Skills Boost	6 June 2024
7	Mr.Shaik Rasool	Attention Mechanism	Google Cloud Skills Boost	6 June 2024
8	Mr.Shaik Rasool	Encoder-Decoder Architecture	Google Cloud Skills Boost	6 June 2024
9	Mr.Shaik Rasool	Transformer Models and BERT Model	Google Cloud Skills Boost	6 June 2024
10	Mr.Shaik Rasool	Create Image Captioning Models	Google Cloud Skills Boost	6 June 2024
11	Mr.Shaik Rasool	Introduction to Vertex AI Studio	Google Cloud Skills Boost	7 June 2024
12	Mr.Shaik Rasool	Responsible AI for Developers: Fairness & Bias	Google Cloud Skills Boost	8 June 2024
13	Ms.Sana Mateen	AIML For Geodata Analysis	ISRO	19.08.2024
14	Mrs. J. Harika	Gemini for Network Engineers	Google Cloud	25-June-2024
15	Mrs. J. Harika	Gemini for DevOps Engineers	Google Cloud	25-June-2024

S. No.	Name of Faculty	Name of Course	Name of Learning Platform	Date of Exam / Certification
16	Mrs. J. Harika	Gemini for end-to-end SDLC	Google Cloud	22-June-2024
17	Mrs. J. Harika	Gemini for Security Engineers	Google Cloud	22-June-2024
18	Mrs. J. Harika	Gemini for Cloud Architects	Google Cloud	22-June-2024
19	Mrs. J. Harika	Introduction to Responsible AI	Google Cloud	20-June-2024
20	Mrs. J. Harika	Introduction to Generative AI	Google Cloud	20-June-2024
21	Ms. Nandini Pechetti	AIML For Geodata Analysis	ISRO	19.08.2024
22	Mr. T. Srikara Shobith	Machine Learning Operations(MLOps) for Generative AI	Google Cloud Skills Boost	4 July 2024
23	Mr. T. Srikara Shobith	Introduction to Vertex AI Studio	Google Cloud Skills Boost	4 July 2024
24	Mr. T. Srikara Shobith	Create Image Captioning Models	Google Cloud Skills Boost	4 July 2024
25	Mr. T. Srikara Shobith	Transformer Models and BERT Model	Google Cloud Skills Boost	4 July 2024
26	Mr. T. Srikara Shobith	Encoder-Decoder Architecture	Google Cloud Skills Boost	4 July 2024
27	Mr. T. Srikara Shobith	Attention Mechanism	Google Cloud Skills Boost	4 July 2024
28	Mr. T. Srikara Shobith	Introduction to Image Generation	Google Cloud Skills Boost	4 July 2024
29	Mr. T. Srikara Shobith	Gemini for Cloud Architects	Google Cloud Skills Boost	4 July 2024
30	Mr. T. Srikara Shobith	Applying AI Principles with Google Cloud	Google Cloud Skills Boost	4 July 2024
31	Mr. T. Srikara Shobith	Prompt Design in Vertex AI	Google Cloud Skills Boost	4 July 2024

S. No.	Name of Faculty	Name of Course	Name of Learning Platform	Date of Exam / Certification
32	Mr. T. Srikara Shobith	Introduction to Responsible AI	Google Cloud Skills Boost	28 June 2024
33	Mr. T. Srikara Shobith	Introduction to Large Language Models	Google Cloud Skills Boost	28 June 2024
34	Mr. T. Srikara Shobith	Introduction to Generative AI	Google Cloud Skills Boost	28 June 2024

Patents

S. No.	Name of Faculty	Title of the Working Models / Products	Patent Details (if any)
1	Dr. P. Lavanya Dr. Sharada Varalaskhmi Dr. T. Praveen Kumar	AI Based Solar Powered Electric Vehicle	Indian Design Patent 413371-001 06-06-2024
2	Dr. Diana Moses	AI based ROBOT for HR Operaions	Design Patent 6375676 02-07-2024
3	Dr Diana Moses	AI BASED DISPLAY DEVICE FOR DIGITAL	Design Patent 6375828 Grant Date 10.07.2024

Book Published

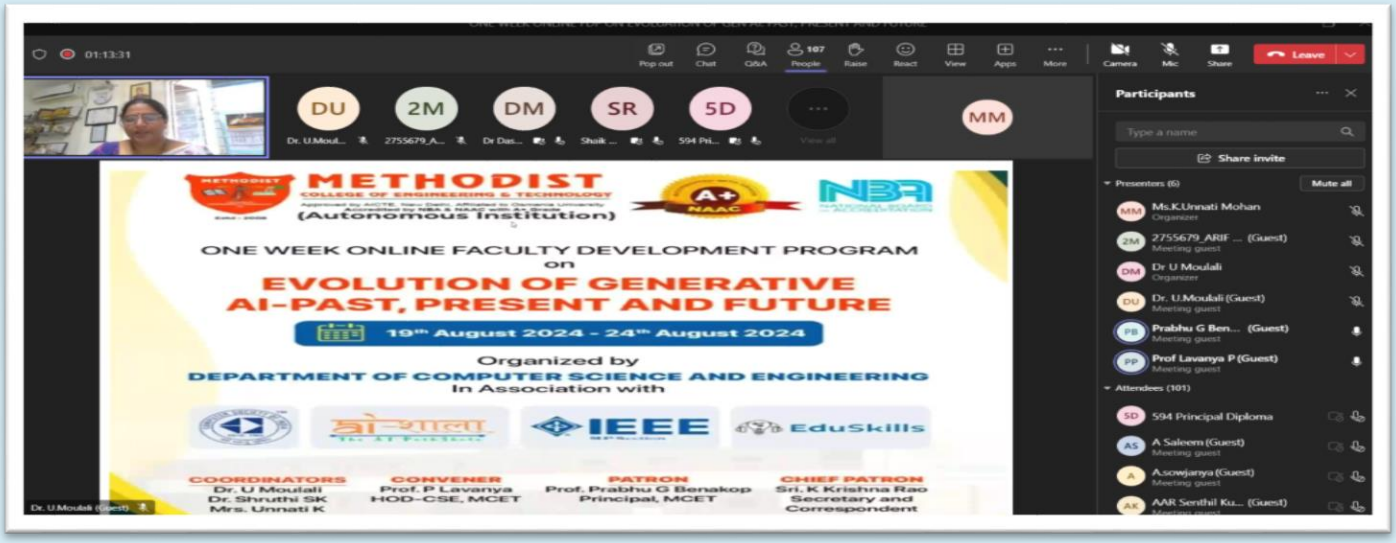
S.No	Name	Title	ISBN	Name of Publisher	Year of Publication
1	Mr. A.A.R.Senthil Kumaar	Data Structure	978-93-6226-485-5	JSR,India	2024
2	Dr. Shaik Khaleel Ahamed	Book Chapter on Anomaly Detection Algorithms in Cybersecurity	9798369375402	IGI, Global	2024

MOU's List (Memorandum of Understanding)

S.No	Name of Organization	Location
1	Broadrange AI, LLC	USA
2	EduSkills Foundations	Bhuwaneswar, Odisha
3	ULEKTZ SOLUTIONS PVT LTD	Chennai
4	AI-SHALA Technologies PVT.Ltd.	New Delhi
5	Osmania Technology Business Incubator	Osmania University, Hyderabad
6	Sushi Linux	Hyderabad
7	ICT Academy	Chennai
8	NPTEL(Swayam)	New Delhi
9	CSI	Hyderabad
10	IIT Bombay	Bombay
11	CISCO Networking Developments	TASK, Hyderabad

Events & Activities

Department Organized



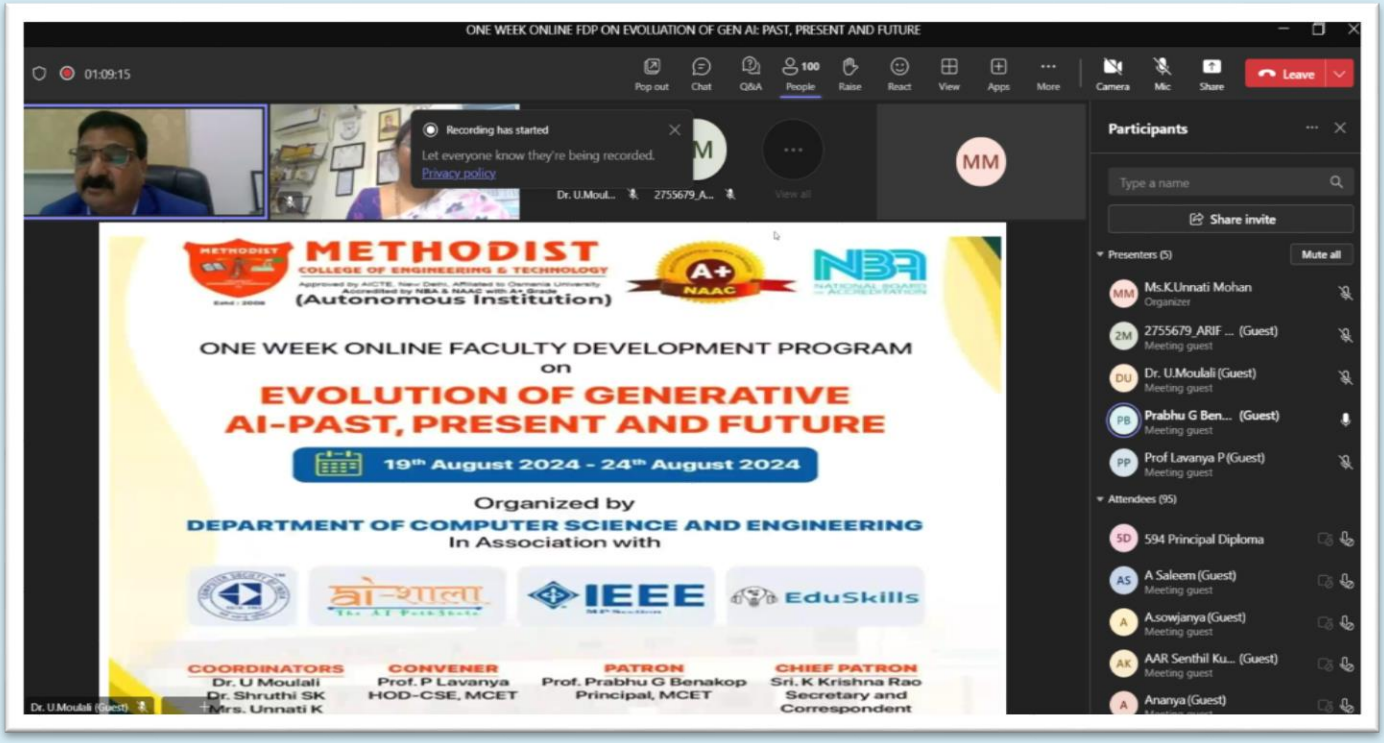
Dr. P. Lavanya, HOD-CSE, MCET addressing the participants during the inaugural session

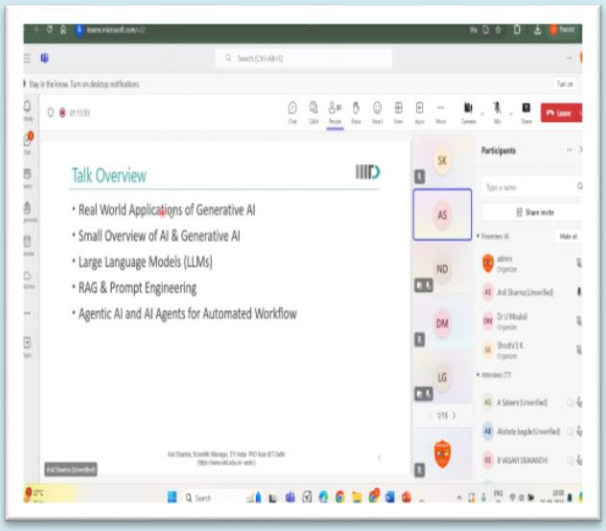
The Department of Computer Science and Engineering at MCET organized a six-day online Faculty Development Program (FDP) on **"Evolution of Generative AI – Past, Present, and Future"** from **19th to 24th August 2024**. The program featured expert speakers from **TCS, Samsung R&D, IISER Bhopal, AI-Shala Technologies, KL University, MCET, PSCMRCET, and the University of Hyderabad**, covering key topics such as **Large Language Models (LLMs), Generative Adversarial Networks (GANs), Diffusion Models, Agentic AI, Image & Speech Generation, Transformers, Prompt Engineering, and AI for Literature Surveys**.

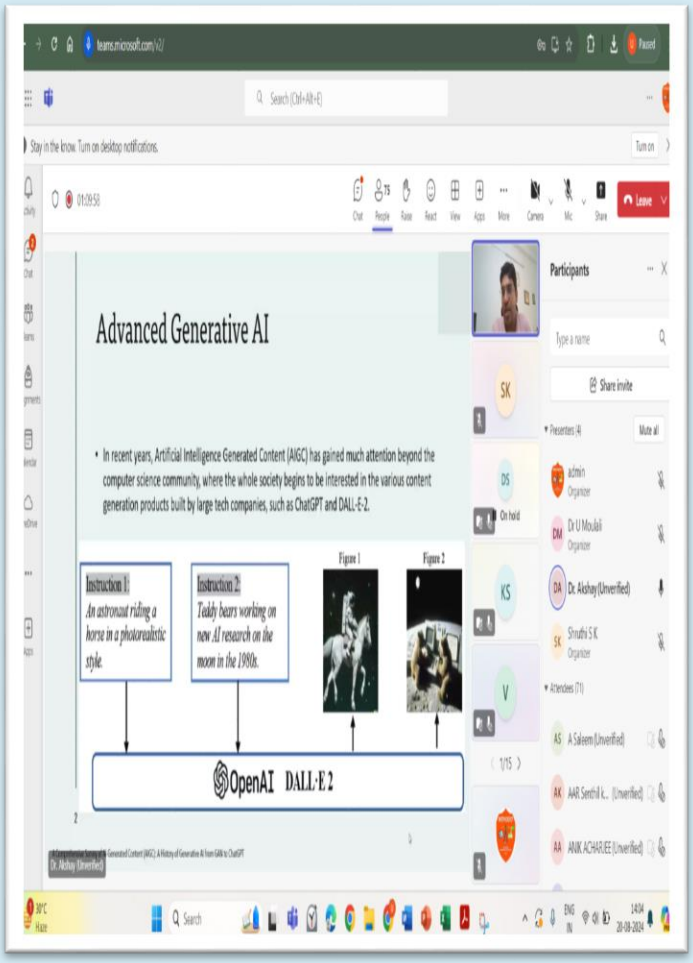
Each day focused on different aspects of Generative AI, with in-depth sessions led by industry professionals and academicians.

The FDP provided valuable insights into the advancements and practical applications of AI, fostering knowledge-sharing and collaboration among professors and research scholars. The program concluded with a valedictory session, reinforcing MCET's commitment to staying at the forefront of AI education and research.

Introduction Speech by Dr.Prabhu G. Benkop, Principal,MCET.







The **six-day FDP on "Evolution of Generative AI – Past, Present, and Future"** at MCET saw **170+ participants** engaging in expert-led sessions on **LLMs, GANs, Diffusion Models, and AI applications**. With speakers from **top institutions and industries**, the program enriched AI knowledge, fostered research discussions, and highlighted AI's impact in academia.

Organized **Awareness program**

The **AHOBAL-No Plastic & Environment Youth Enrichment Program**, organized by the **Department of CSE on 3rd July 2024**, aimed to raise awareness about environmental conservation, stress management, and personal growth. **Mr. Vignesh**, Software Engineer and Founder of **AHOBAL Foundation (NGO),** emphasized the significance of a **No-Plastic environment**, the **science of happiness**, meditation, and effective stress management techniques. The session was well-received, with students appreciating its impact on both **personal well-being and environmental responsibility**, successfully achieving its goal of fostering awareness and practical guidance for a healthier and more sustainable future.



Mr. Vignesh addressing the students







Edu Skills Tech camp on Google Android

The **Department of Computer Science and Engineering (CSE)**, in collaboration with **Edu Skills Foundation**, successfully organized a **two-day training program on Google Android** from **20th to 21st June 2024**. The primary objective of this program was to provide participants with **practical exposure and hands-on experience** in **Android application development**.

The sessions covered key concepts such as **Android architecture, UI/UX design, API integration, and deployment of mobile applications**.

Participants gained insights into the **latest development tools, frameworks, and best practices** essential for designing robust and scalable mobile applications. Industry experts and experienced trainers guided students through **interactive workshops, live coding sessions, and real-time project development**, ensuring a comprehensive learning experience.

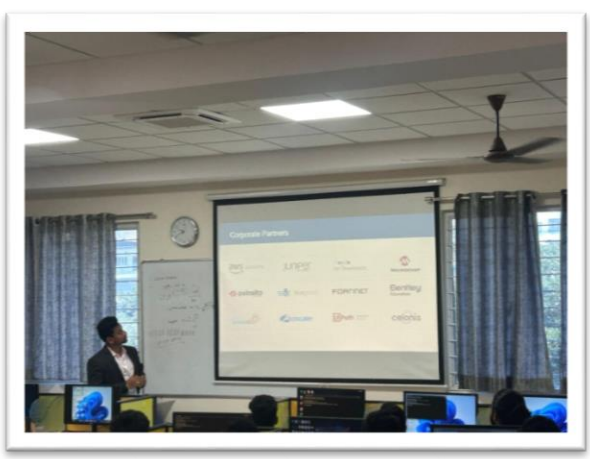
The **Tech Camp** proved to be highly beneficial for students aspiring to build careers in **mobile application development**, enhancing their **technical proficiency and problem-solving skills**. The event concluded with an interactive Q&A session, where participants had the opportunity to seek guidance on **industry trends, career opportunities, and advanced Android development techniques**.

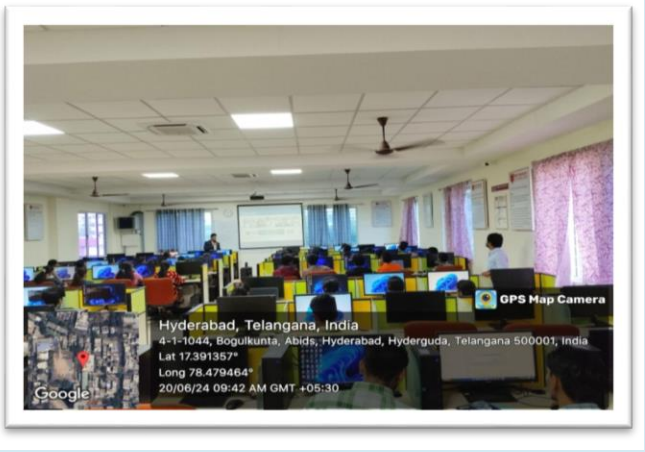

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