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<CSE BYTES>

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

EDITOR IN CHIEF: DR.LAVANYA PAMULAPARTY

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1. Vision and Mission

Vision of the Institute:

To produce ethical, socially conscious and innovative professionals who would contribute to sustainable technological development of the society.

Mission of the Institute:

To impart quality engineering education with latest technological developments and interdisciplinary skills to make students succeed in professional practice.
To encourage research culture among faculty and students by establishing state of art laboratories and exposing them to modern industrial and organizational practices.

To inculcate humane qualities like environmental consciousness, leadership, social values, professional ethics and engage in independent and lifelong learning for sustainable contribution to the society.

Vision of the Department:

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

Mission of the Department:

- To offer flexible programs of study with collaborations to suit industry needs.
- To provide quality education and training through novel pedagogical practices.
- To expedite high performance of excellence in teaching, research and innovations.
- To impart moral, ethical values and education with social responsibility.

2. PEO/PO/PSO's

PROGRAM EDUCATIONAL OBJECTIVES

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

PEO1: Apply technical concepts, Analyze, 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 team work through multidisciplinary projects.

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

PROGRAM OUTCOMES

Engineering Graduates will be able to:

PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)

PO3: Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5)

PO4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6)

PO6: The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9: Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences

PO10: Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO11: Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)

PROGRAM SPECIFIC OUTCOMES

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

3. Message from the Head of the Department



The department was established in the year 2008 with an initial intake of 60, which was subsequently enhanced to 120 in 2010. Currently, the department offers B.E. programs in CSE, CSE (AI), and CSE (AI & ML), each with an intake of 180 students. Additionally, the department offers B.E. Honours and Minors in AI & ML, equipping students with cutting-edge skills to meet industry demands.

The department constitutes a group of energetic, experienced, and well-qualified faculty from industry and academia. The department houses state-of-the-art laboratories providing hands-on training and thus encouraging them to build major and minor projects. The alumni of the department are well placed in core companies and MNCs. The department instills quality education with holistic development.

The students are encouraged to train and update their technical skills through various in-house trainings, knowledge transfer workshops, value added courses and project exhibitions. They are motivated to improve their communication & written skills through special trainings, to participate in extra-curricular activities, sports, etc. The students are continuously evaluated through internals and quizzes. The slow learners are monitored with much more care and hence are uplifted towards betterment.

The department emphasises a student-centric and friendly learning environment by systematically balancing academics and activities. The faculties and students always work in tandem in organising the various college-level activities and technical fests. The relentless efforts of the faculty have helped the department earn a good name & fame in a short span of time.

With a vision to nurture future-ready technologists, the Department of Computer Science & Engineering continues to innovate, inspire, and lead in the fields of AI, ML, and computer science.

4. Department Achievements

1. Department of CSE is accredited with NBA for three years from 2024
2. Identified as ACADEMIC CENTER for Promoting the learning and usage of Free & Open-Source Software (FOSS), by SPOKEN TUTORIAL, IIT MUMBAI.
3. The department has setup SWAYAM - NPTEL local chapter in collaboration with MHRD, Govt of India.
4. The department has signed an MOU with "EduSkills Foundation".

5. Events Organized

A One Week FDP
on
Evolution of GenAI-Past, Present and Future

The Department of Computer Science and Engineering, Methodist College of Engineering and Technology (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 FDP aimed to provide faculty members and research scholars with in-depth insights into Generative AI, its advancements, and practical applications across various domains.

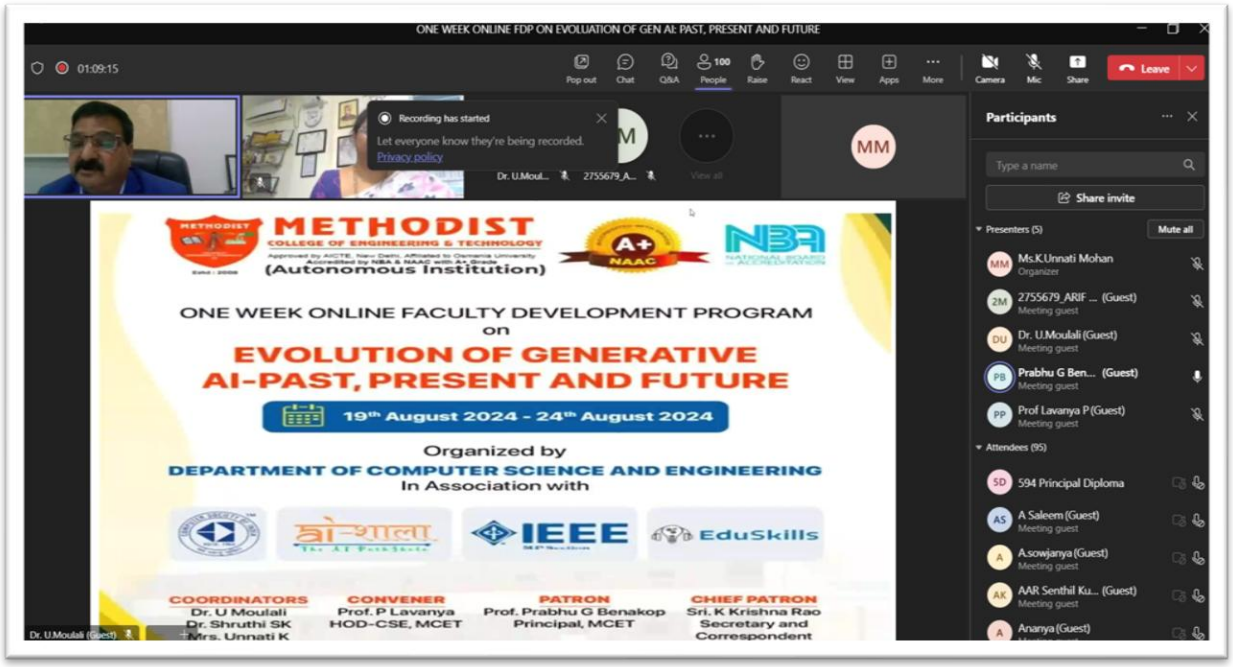
This program featured expert speakers from **TCS, Samsung R&D, IISER Bhopal, AI-Shala Technologies, KL University, MCET, PSCMRCET, and the University of Hyderabad**, covering a diverse range of topics, including **Large Language Models (LLMs), Agentic AI, GANs, Diffusion Models, Generative Image/Speech Models, Attention Mechanism, Transformers, Prompt Engineering, and AI for Literature Surveys**.

Key Highlights of the FDP:

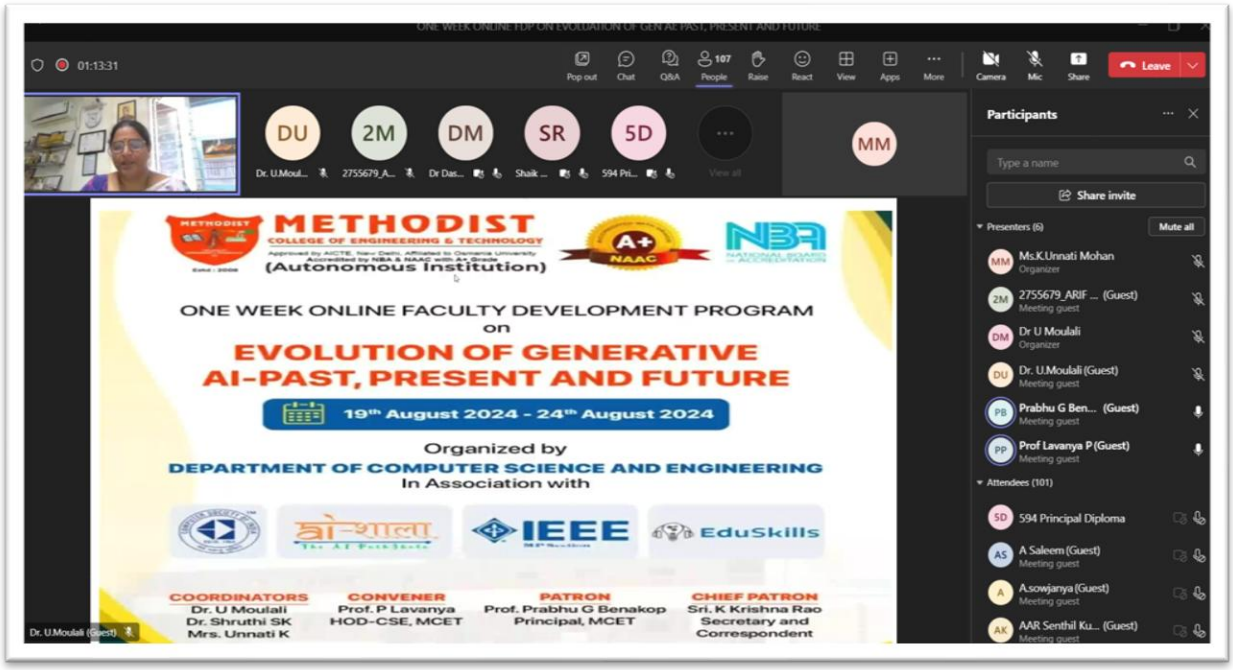
- **Day 1:** Introduction to **Generative AI, its evolution, and families**, led by **Mr. Arif Hussain** from **TCS, Hyderabad**.
- **Day 2:** Sessions on **Agentic Workflows using LLMs** by **Dr. Anil Sharma (Samsung R&D)** and **Generative AI's Impact on Digital Life** by **Prof. Akshay Agarwal (IISER Bhopal)**.
- **Day 3:** In-depth discussions on **Generative Adversarial Networks (GANs) and Diffusion Models**, conducted by **Mr. Saswta Sarkar (AI-Shala Technologies)**.
- **Day 4:Generative AI in Image/Speech Modeling** by **Dr. Pavan Kumar (KL University)** and **Gen AI Tools for Outcome-Based Education (OBE)** by **Dr. Diana Moses (MCET)**.

- **Day 5:** A deep dive into **Attention Mechanisms, Transformers, and Prompt Engineering**, delivered by **Mrs. Sri Silpa Padmanabhuni (PSCMRCET)**.
- **Day 6:** The FDP concluded with a session on **AI for Literature Surveys** by **Dr. Salman Abdul Moiz (University of Hyderabad)**, followed by the **Valedictory Ceremony**.

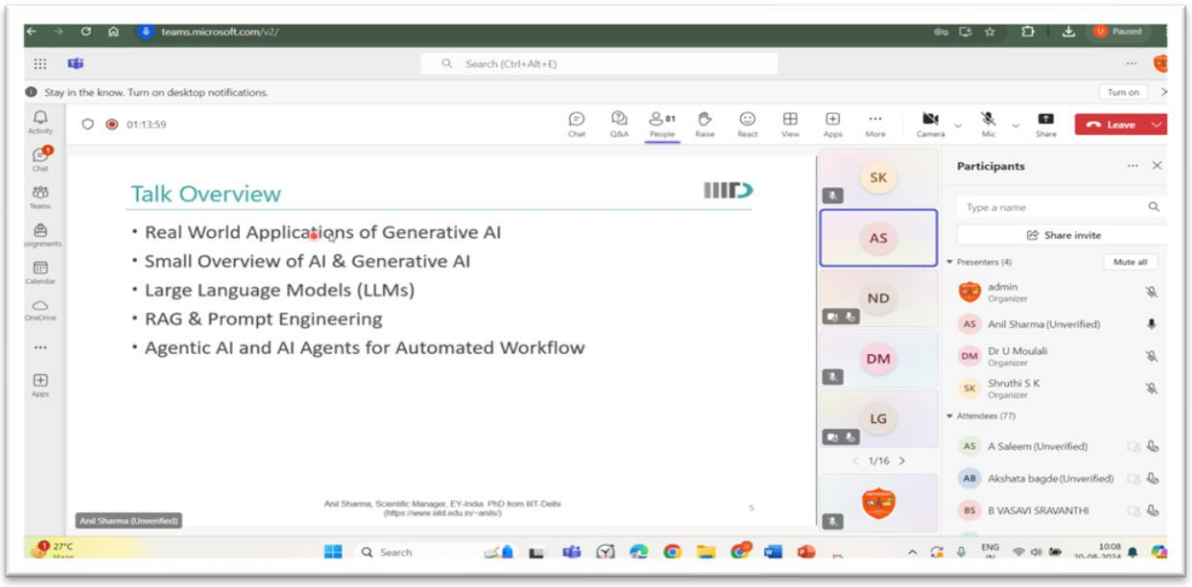
Event Highlights

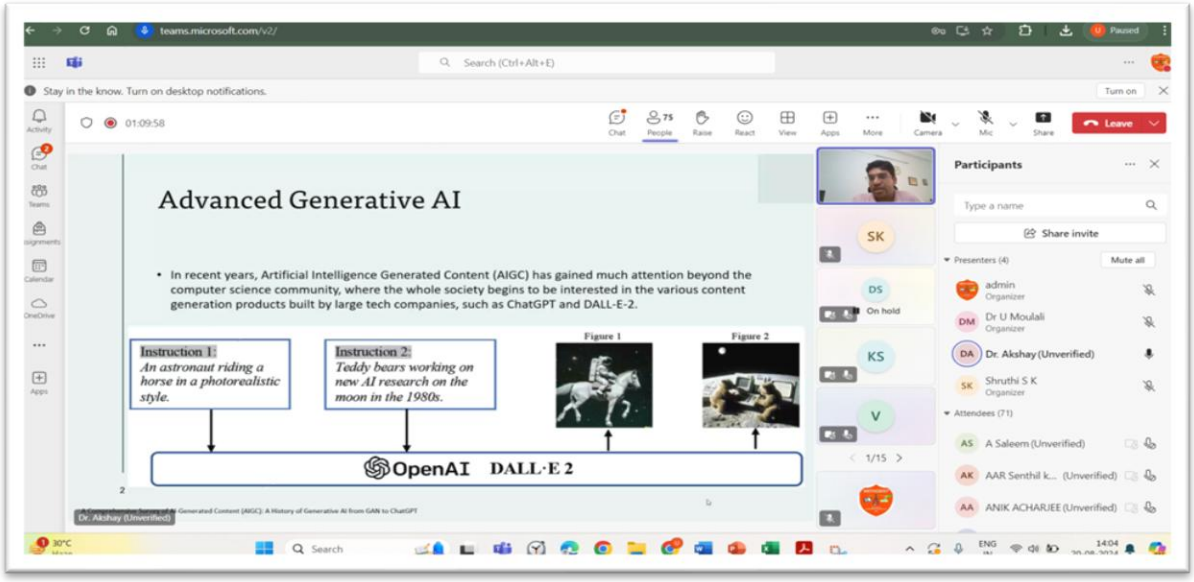


Introduction Speech by Dr.Prabhu G. Benkop, Principal,MCET.



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





Impact & Conclusion:

The FDP witnessed active participation from **over 170 faculty members and researchers**, fostering interactive discussions, knowledge exchange, and hands-on insights into cutting-edge AI technologies. The sessions not only enhanced participants' expertise but also provided a platform for exploring AI's potential in academia and research.



Awareness program on "Ahobal no plastic & Environment & youth enrichment program"

The AHOBAL-No Plastic & Environment Youth Enrichment Program was organized by the Department of CSE on 3rd July 2024 to provide students with valuable insights on promoting environmental awareness, managing stress, and striving for success.

Mr. Vignesh, Software Engineer and Founder of AHOBAL Foundation(NGO) has conveyed the importance of a No-Plastic environment, effective stress management techniques, the science of happiness, and the benefits of meditation.



Mr. Vignesh, Software Engineer and Founder of AHOBAL Foundation(NGO) delivering the importance of a No-Plastic environment.





Mr. Vignesh addressing the students about no plastic environment.





The session concluded with students expressing their appreciation and finding it beneficial for both personal development and environmental consciousness.

The program achieved its goal of fostering awareness and offering practical guidance for a more successful and stress-free life.

A Three Day EduSkills Techcamp

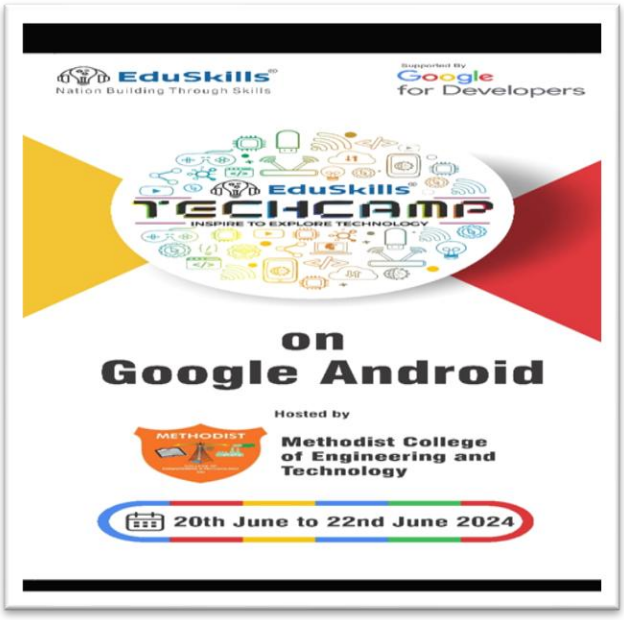
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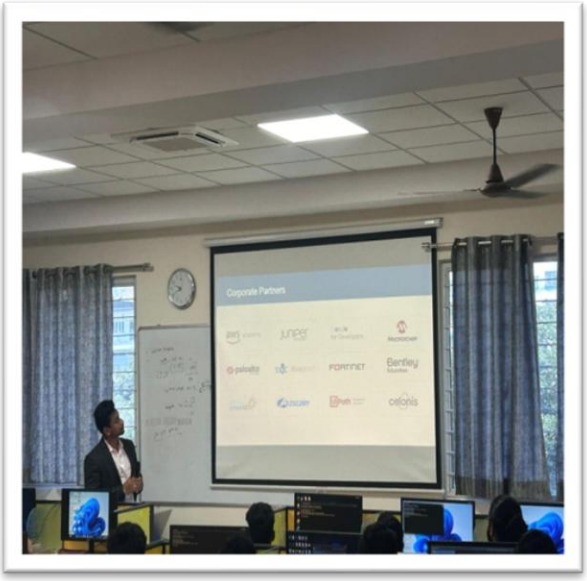
Google Android

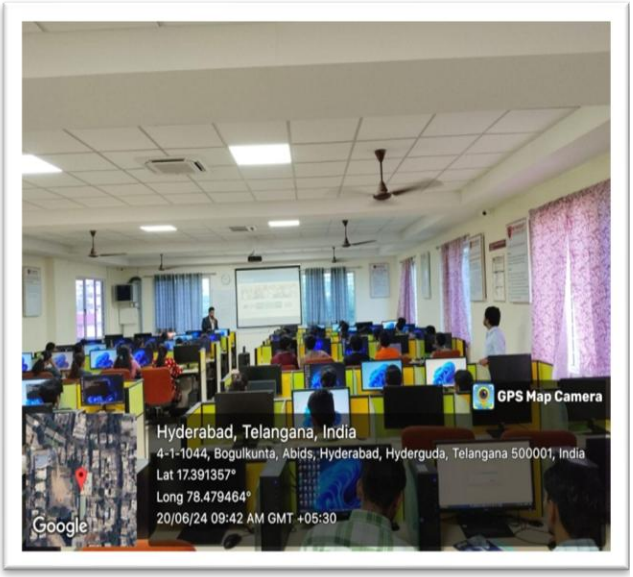
The Department of CSE, in association with EduSkills Foundation, organized a two-day training program on Google Android from 20th to 21st June 2024.The objective of the program was to provide hands-on experience in Android application development, equipping participants with the necessary skills to design and develop mobile applications using the latest tools and technologies

Glimpse of Event













The Google Android Techcamp by EduSkills was an invaluable learning experience. It equipped participants with both foundational and advanced knowledge in Android development. The practical training, combined with industry-relevant insights, makes attendees better prepared to enter the job market or continue developing Android applications. It also inspired participants to keep learning and stay up-to-date with the evolving tech landscape.

6. Students achievements

S.No	Student Name	Roll No	Certifications
1.	Haleem Pasha	160721733011	1.Introduction to DataScience by Infosys Springboard 2. Introduction to NLP by Infosys Springboard 3.Introduction to AIby Infosys Springboard 4.Introduction to Deep Learningby Infosys Springboard 5. Artificial Intelligence Primer Certification
2.	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)
3.	Robin Thomas Antony	160721733027	1.NLP Unleashed: Cutting-Edge Methods and Applications
4.	Syed Abdul Qader Faizan Khundmiry	160721733057	1.Completed AI/ML Virtual Internship 2.Completed Generative AI Virtual Internship
5.	Anas hussain	160721733066	1.Participated in Stanfest(2024) 2.Completed brainwave internship
6.	chilukuri srija	160721733067	1. Completed AI-ML virtual internship
7.	Kalikota Bhavani	160721733071	1. Android Developer Virtual Internship 2.AI-ML Virtual Internship
8.	Syed Rizwan Ali	160721733078	1. Udemy : 100 days of code

			Complete Python Bootcamp 2.GDSC Android Basics in Kotlin Course
9.	Mohan Kumar	160721733094	1. Completed AI/ML Virtual Internship 2.Certificate of completion on "Go Language for Data Science and NLP Processing"
10.	Kethavath Satish Naik	160721733098	1. Completed Data Analytics and Visualization Job Simulation course
11.	Agnoor koushik	160721733102	1.Accenture data analytics course 2.Completed ai-ml virtual internship
12.	Kadimi Meghana	160721733103	1.Completed Networking virtual internship
13.	Patnam Harika	160721733104	1.Completed AI-ML virtual internship by Eduskills
14.	Syed fayyaz Ali	160721733113	1.Completed course on Go for data science and natural language processing
15.	Vadla lavanya	160721733115	1.Completed Android developer intership and AI-ML virtual internship
16.	Zahra Hussaini Syeda	160721733127	1. Certificate of completion for generative ai study jam 2. Completed AI/ML Virtual Internship 3. Completed Android Developer Internship 4.Completed python internship from Code for India Foundation
17.	Venishetty vedavyas	160721733306	1.Completed Codealpha ml internship

18.	T Chandra Mahesh	160721733309	1.Java Programming Internship 2.Android developer virtual internship
19.	Shaik imran	160721733313	1.Python programming internship
20.	Mohammed Abdul Muqtadir	160721747043	1. Google for Developers Machine Learning with TensorFlow
21.	Bale Sharwani	160721747033	1. AIML Virtual Internship 2. CCNAv7: Switching, Routing, and Wireless Essentials 3. CCNAv7: Enterprise Networking, Security, and Automation
22.	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
23.	N. Prashanth	160721747066	1. AI-ML Virtual Internship 2. Gen AI
24.	D. Laxmi Sahithi	160721747097	1. AI-ML Internship by Eduskills 2. Participated in the Inaugural event of IEEE Sensors Council Chapter
25.	M. Rithvik Yadav	160721747099	1. AI-ML Virtual Internship
26.	Lavanya Kaguturi	160721747114	1. Google AI & ML Virtual Internship 2. Google Android Developer Virtual Internship
27.	Gudapati Harini	160721747118	1. Google AI & ML Virtual Internship 2. Data Science Virtual Internship in

			CodSoft
28.	Pulimamidi Sai Vamshi	160721747119	1. Google Android Developer Virtual Internship
29.	S.M.Hasanuddin	160722733002	1.IBMSkills Build Summer Internship Program on AI.
30.	Divakaruni Naga Ashwin	160722733008	1. EduSkill Techcamp on Google Android 2.Google Android Developer Virtual Internship
31.	V M S Sainath Chakravadhanula	160722733010	1.Google AI & ML Virtual Internship
32.	Aavulaw Trishal	160722733059	1.Google Android Developer Virtual Internship
33.	Mudumba Srinidhi	160722733304	1. Android Developer Virtual Internship
34.	Madasu Prakash	160722733307	1. Completed certificate in python essentials conducted by Cisco
35.	Zunaira Fatima	160722733067	1.CCNAv7: Introduction to Networks
36.	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 techcamp on Google Android 4. Successfully completed “CCNAv7: Introduction to Networks”
37.	Kshama jain	160722733070	1.Eduskills techcamp on Google Android 2.Successfully completed “CCNAv7: Introduction to Networks”

			3.Attended a webinar on Delnet resources and services.
38.	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
39.	Bhavani Reddymalla	160722733091	1.Eduskills techcamp on Google Android
40.	Vallepogu DurgaPrasad	160722733111	1. CCNAV7:Introduction to Networks
41.	Anikha Tamkinath	160722733118	1.CCNAV7:Introduction to Networks 2. Attended a webinar on Delnet resources and services.
42.	Harshitha	160722733127	1.CCNAV7:Introduction to Networks 2. Eduskills techcamp on Google Android 3. Attended a webinar on Delnet resources and services
43.	H. Rahul	160722747074	1. EduSkills Android Workshop
44.	Saif	160722747076	1. Gurunanak IEEE Hackathon Participation
45.	N. Srikar	160722747079	1.EduSkills Virtual Internship Generative AI 2. Pantech AI web development virtual Internship
46.	Sri Nithya	160722747081	1.EduSkills Virtual Internship Generative AI
47.	Srikar	160722747098	1. EduSkills Android Workshop 2.Hackerrank Python Certification

			3. EduSkills Virtual Internship AI&ML
48.	V.Bhanu	160722747104	1. Guvi Roadmap of jobs 2. L4G AI Virtual Internship
49.	D.Maneesha	160722747107	1.EduSkills Virtual Internship Generative AI
50.	CH.Teja	160722747109	1.SimpliLearn Data Science
51.	G.Anjali	160722747125	1.EduSkills Virtual Internship Generative AI
52.	L.Vaishnavi	160722747116	1.EduSkills Virtual Internship Generative AI 2.Internpe Web Development Virtual Internship 3.EduSkills Virtual Internship Android Development
53.	K. Rahul Babu	160722747310	1.EduSkills Virtual Internship Generative AI
54.	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.
55.	B. Vishal	160722747113	1.EduSkills Virtual Internship AI&ML 2.EduSkills Android Workshop
56.	M. Sandhya	160722747119	1. EduSkills Android Workshop 2. CodeSoft Python Internship 3.Python certification of Infosys Spring Board
57.	M. Manikanta	160722747124	1. EduSkills Android Workshop

58.	R. Sai Krishna	160722747126	1.EduSkills Virtual Internship Generative AI
59.	Mohammed Saaduddin	160723733051	1.Guest Lecture on Applications of Sensors in Missiles and Launch Vehicles
60.	Syed Abdul Rahman	160723748120	1. Internship in Artificial Intelligence

7. Faculty Achievements/ Rewards

1. **Dr. Lavanya Pamulaparty** is **SPOC** (Single Point Of Contact) for **SWAYAM- NPTEL local chapter.**
2. **Certification of Appreciation awarded to Dr. Lavanya Pamulaparty**for her Instrumental role in making the **Coursera for Corona Virus (C4CV) initiative a grand success.**
3. **Dr 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 Erythemato 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 2024"**



8. Faculty Development Programme

8.1 FDPs attended by Faculty

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
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
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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
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
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

9. Conference/STTPs/ Seminar/Workshops attended

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
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

9.1 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	International Journal of Scientific Research in Engineering and	ISSN: 2582-3930

		Fraud	Management.	
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
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
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.Shruthi SK	Malware Detection using Machine Learning	International journal of multidisciplinary research in science, engineering and technology	Volume 7, Issue 7, July 2024 ISSN: 2582-7219
23.	Dr.Shruthi SK	Spondylitis Detection through Blood Samples	International journal of multidisciplinary research in science, engineering and technology	ISSN:2582-7219
24.	Dr. U.Moulali	Auto Care Booking System	International Journal of Advanced Research in Education and TechnologY	ISSN: 2394-2975
25.	Dr. U.Moulali	Lung cancer Detection	International Journal of All	ISSN: 2455-

		using CNN with Transfer Learning	Research Education and Scientific Methods (IJARESM)	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)
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	International Journal of All	ISSN: 2455-

		Detection by Leveraging AI	Research Education & Scientific Methods	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
39.	Mrs. Vasavi Sravanthi Balusa	Symptoms based disease diagnosis using machine learning	International journal of creative research thoughts	ISSN: 2320-2882
40.	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
41.	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
42.	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
43.	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
44.	Mrs. J. Harika	Image Deblurring Using Swin Transformers	Journal of emerging technologies and innovative research	ISSN : 2349-5162 Volume 11, Issue 7



9.2 Certifications of Faculty

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
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
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

10.Patents

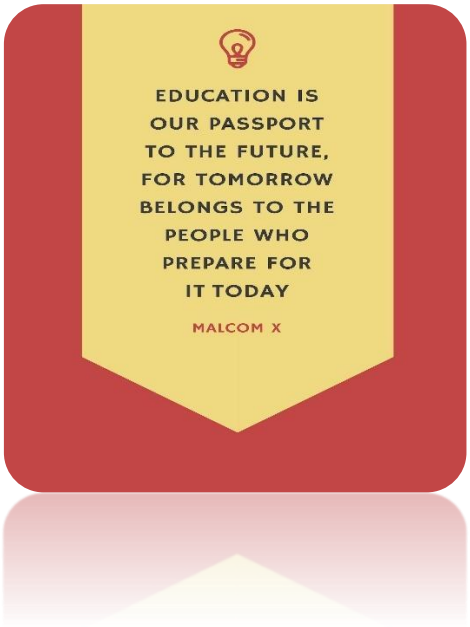
S. No.	Name of Faculty	Title of the Working Models / Products	Patent Details (if any)
1	Dr. P. Lavanya Dr. Sharada Varalaskhmi Dr. T. Praveen Kumar	AI Based Solar Powered Electric Vehicle	Indian Design Patent 413371-001 06-06-2024
2	Dr. Diana Moses	AI based ROBOT for HR Operaions	Design Patent 6375676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

10.1 Books 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

11. 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





PROGRAMS OFFERED

- Computer Science and Engineering (CSE)
- Computer Science and Engineering (Artificial Intelligence) - CSA
- Computer Science and Engineering (Artificial Intelligence and Machine Learning) - CSM
- Civil Engineering (CIV)
- Mechanical Engineering (MECH)
- Electronics and Communication Engineering (ECE)
- Electrical and Electronics Engineering (EEE)

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