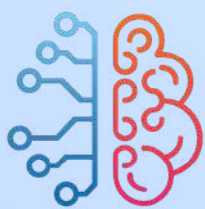
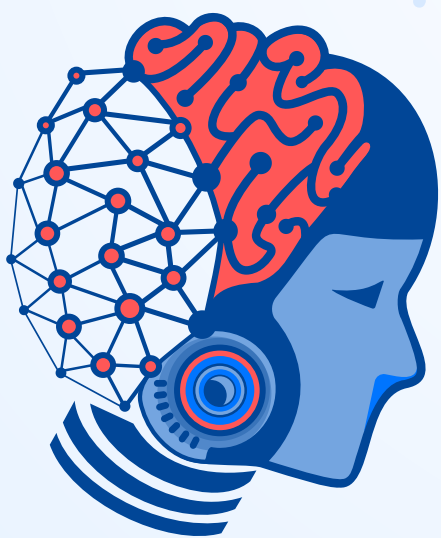


DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

AI Chronicles NEWSLETTER

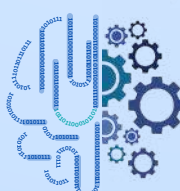
APRIL 2025 - SEPTEMBER 2025



Department of Artificial Intelligence and Data Science



Computational Intelligence Club



ASSOCIATION OF
ARTIFICIAL
INTELLIGENCE
AND DATA SCIENCE



TinkerHub
MITS

VISION

To be a center of excellence in learning, research and technology development in the field of Artificial Intelligence and Data science with a strong sense of social responsibility.

MISSION

- To facilitate state-of-the-art teaching and learning to meet the expectations of the stakeholders.
- To empower students towards technology development & transfer, to solve socially relevant problems.
- To promote collaborative research through long term interaction with industry and R&D institutions

PROGRAM SPECIFIC OUTCOME OF CSE(AI)

- PSO1: Implement AI models and strategies for real world problems to meet the challenges of future.
- PSO2: Develop computational models for system automation.



Page 1 of 1



TinkerHub
MITS

PROGRAM SPECIFIC OUTCOME OF AI & DS

- PSO1: Interpret and visualize high dimensional data for decision making systems.
- PSO2: Develop computational models for system automation.

PROGRAM EDUCATIONAL OBJECTIVES

Our graduates will

- PEO1: Create sustainable AI models.
- PEO2: Implement AI responsibly in research and development and technology transfer.
- PEO3: Deliver AI solutions for entrepreneurial activities leading to employment generation.



Department FDP

Department of Artificial Intelligence and Data Science Presents Five Days Online FDP on GenAI: Unleashing the Power of Language and Vision Models. The learning outcomes of the FDP are as follows

- To gain a comprehensive understanding of deep learning techniques, including encoder-decoder networks, attention mechanisms, transformers, and large language models.
- To get acquainted with the latest research trends in language processing and computer vision models, enabling them to stay updated with the advancements in the field and potentially contributes to ongoing research.
- To learn about the diverse applications of GenAI and how they can be optimized for specific tasks by exploring the repertoire of tools for tackling real-world problems.

Date: 16/06/2025 – 20/06/2026

Time: Online (6:00 P.M to 9:00 P.M)

SCHEDULE

**Day 1 : Deep learning for Language & Image Processing**
Dr. Resmi N G, Assistant Professor,
Chinmaya University, Ernakulam

**Day 2 : Generative Models (VAE,GAN,DDPM)**
Dr. Bindhu Krishnan,
Senior Data Scientist,
Data & AI, IBM Kochi

**Day 3 : LLMs and Fine-tuning of LLMs**
Dr. Jeena Kleenankandy,
Assistant Professor
Department of Computer Science,
CUSAT

**Day 4 : GenAI & VLMs**
Dr. Sowmya V, Associate Professor,
School of Artificial Intelligence, Amrita
University Coimbatore

**Day 5 : Diffusion Models for AI Image Generation**
Dr. Anil Raj J, Scientist, Data and AI
Dept. ISL, IBM Kochi



TinkerHub
MITS

Department Association

The Department Association of Artificial Intelligence & Data Science, in collaboration with the Institution's Innovation Council, proudly presents a session on "Applied Statistics for Decision Making" led by Dr. Bindu Krishnan Senior Data Analyst, IBM Kochi

Unlock the power of data-driven decisions and explore how applied statistics can shape effective strategies in today's world.



Date: 25th September 2025

Time: 2:00 PM – 4:00 PM

Venue: APJ Kalam Hall, MITS



Department Association

The Department Association of Artificial Intelligence & Data Science, in collaboration with the Institution's Innovation Council, conducted a hands-on session on "Introduction to Agentic AI." The session was led by B. Pranavkrishna Vadhyar, AI/ML Engineer at Feathersoft Info Solutions. It introduced participants to the world of intelligent agents and autonomous systems through a dynamic and practical approach. The session served as a platform for students to explore the concept of agentic AI and understand its relevance in the evolving field of Artificial Intelligence.

Date: 19th July 2025

Time: 9:00 AM to 4:00 PM

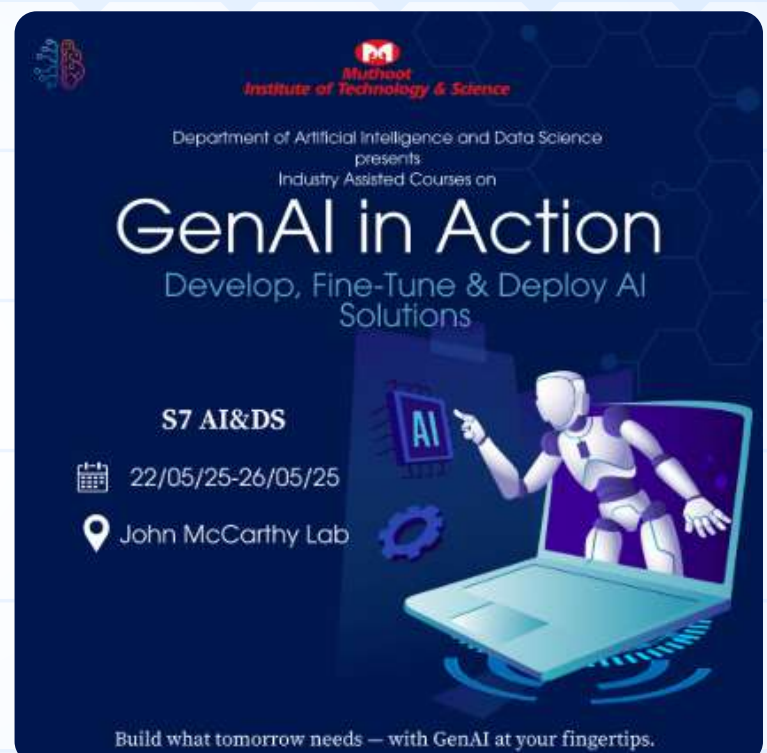
Venue: Visvesvaraya Hall



Industry Assisted Course

The Department of Artificial Intelligence and Data Science, presents an Industry-Assisted Course titled: "GenAI in Action"

A hands-on learning experience designed to equip students with the skills required to develop, fine-tune, and deploy next-generation AI solutions using cutting-edge Generative AI technologies.



Participants will gain exposure to practical workflows in generative AI, enhancing their ability to build intelligent systems aligned with real-world industry demands. The course blends technical depth with hands-on experimentation, preparing learners to innovate confidently in the rapidly evolving AI landscape.

Target Audience: S7 AI & DS Students

Date: 22/05/25 – 26/05/25

Venue: John McCarthy Lab, CODD Base Lab



Industry Assisted Course

The Department of Artificial Intelligence and Data Science, presents an Industry Assisted Course on: “End-to-End Project Life Cycle on MERN Stack”. A comprehensive hands-on program designed to help students master the complete development workflow using the MERN Stack (MongoDB, Express.js, React, Node.js). This course enables learners to understand every stage of modern full-stack web application development—from planning and designing to building, testing, and deploying scalable applications.



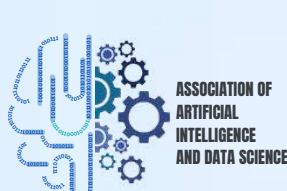
Through practical sessions and guided mentorship, students will gain real-world exposure to full-stack development practices, empowering them to build robust, industry-ready web solutions.

Target Audience: S5 CS(AI) and S5 AI & DS Students

Course Dates: 23/06/2025 to 27/06/2025

and 27/06/2025 to 31/26/2025

Venue: John McCarthy Lab



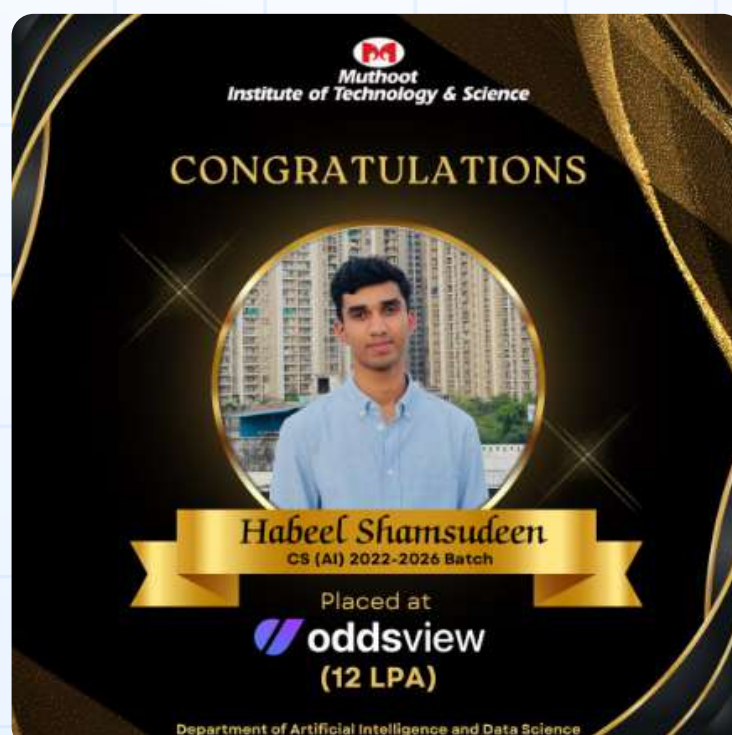
TinkerHub
MITS

Student Achievement

1. **Mr. Ron Joe** and **Mr. Joseph Chandy** of S5 AI & DS with team MCSC, has secured a Top 10 position in the Asia/Oceania region, achieving 8th place overall and 3rd place among Indian teams at the Global Kaspersky (CTF) 2025!



2. **Mr. Habeel** of S7 CSE(AI) Cracked a full time role at Oddsvie. It's an US based startup and his offer would be 1200 dollars a month (1L a month)



3. **Ms. Elizabeth** of S3 AI & DS with team won the first prize in GIRLATHON 2025



4. **Ms. Treasa George** of S5 AI & DS, has achieved outstanding success by becoming the 17th South Zone Netball Nationals Gold Medalist and the 1st South Zone Mixed Netball Nationals Bronze Medalist. She has also been selected for the Inter-zonal Championship, representing South India.



TinkerHub
MITS

5. **Mr. Joel Basil Kurian**, MD at Supe AI, student of S7 CSE(AI) host an exclusive webinar on one of AI's most exciting fields - Computer Vision! Designed to be interactive and insightful, the session includes live demos, hands-on examples, and a dedicated Q&A segment to deepen understanding. Scheduled for 07 August 2025 from 6:00 PM to 7:00 PM



6. **Mr. Ashik P N** of S3 CSE(AI) has secured 3rd Place at Future 5.0 for his exceptional presentation on "Urban Rising Temperatures & Miyazaki Forest Plantation"



7. Gate 2025 qualifiers



Team Achievement

1. **Rohan Jacob Jacob, Adarsh Muralidharan, Shasna C** and **Minsa Aji**, of S8 CSE(AI) guided by **Dr. Priya C V** , published a paper 'TransLip: AI-Driven Video Translation and Synchronization' in 2025 2nd International Conference on Trends in Engineering Systems and Technologies (ICTEST) on June 2025
2. **Fathima Zanha K; Nidha Fathima; Salva Fathima S; Sherin Rose** of S8 AI & DS guided by **Dimple Elizabeth Baby** published a paper Fine-Tuning TinyLLaMA and GPT-2 with Proximal Policy Optimization for Sentiment Enhancement and Toxicity Reduction in 2025 2nd International Conference on Trends in Engineering Systems and Technologies (ICTEST) on June 2025
3. **Akshay Baby; Gokul Das T K; Sahil Salim; Vipin V** of S8 AI & DS guided by **Rija Jose** published a paper FairHire: AI-Driven Resume Profiling and Technical Interview Automation in 2025 2nd International Conference on Trends in Engineering Systems and Technologies (ICTEST) on June 2025
4. **Deepak Tom Gigi; Lisa James; Meenakshi B S; Muhammed Afreen K N** of S8 CSE(AI) guided by **Anjaly Muralidharan** published a paper Dual Approach for Video Summarization: Key Frame Captioning and Audio Summarization in 2025 2nd International Conference on Trends in Engineering Systems and Technologies (ICTEST) on June 2025



5. **Aswathy A Prabhu; Prerana Veliath; Hima Hari; Ayisha SaheedMof** S8 CSE(AI) guided by **Anoopa S** published a paper Smart Glove for Sign Language Interpretation and Vocalization in 2025 2nd International Conference on Trends in Engineering Systems and Technologies (ICTEST) on June 2025
6. **Aysha Sanam Ummer; Bettina Mariam Biju; Joanna Merine Noble; Sreya K U** of S8 AI & DS guided by **Divya K S** published a paper HER SHIELD: Speech Emotion Recognition for Women's Safety in 2025 2nd International Conference on Trends in Engineering Systems and Technologies (ICTEST) on June 2025



Faculty Achievement

1. **Ms. Lekshmi R** successfully had the Open Defence and Viva-Voce examination of her Ph.D. Thesis entitled "Effective Domain Adaptation Approaches for Image and Time Series Classification" under the guidance of Dr. Babu Ramachandran, Professor, Division of Electronics and Communication Engineering, School of Engineering, CUSAT on 13.08.2024. She delivered a lecture in the event "*Robo Crew Tales*", organized as part of the IEEE RAS activities. The event was held on 22 April 2025 and was coordinated by IEEERASKC. She attended 5 day PDP by NITTR organized by NITTR during 28-04-2025 to 02-05-2025. She completed Google Cloud Certificate on Cyber Security during May 2025. She also successfully completed a course in Quantum Computing offered by C-DAC in collaboration with IIT Roorkee in May 2025.
2. **Ms. Divya K.S** got NPTEL Elite Certification on Introduction to Large Language Models and an NPTEL Certification on Natural Language Processing during April 2025. She attended 4 day confidential workshop at NTA Office, New Delhi Organized by NTA. She also attended 5 Day Faculty Development Programme (FDP) on Generative AI and Large Language Models (LLMs) organized by Rajagiri School of Engineering and Technology(Autonomous) on 5th May 2025 to 9th May 2025.



TinkerHub
MITS

3. **Ms. Rinu Rose George** got NPTEL Elite+ Gold(Topper 1%) Certification on Python for Data science and an NPTEL Elite+ Silver Certification on ML for Engineering, Science and Applications during April 2025.
4. **Dr. Priya C V** attended 6-Day Online Faculty Development Programme (FDP) on Generative AI and Large Language Models (LLMs) organized by College of Engineering Perumon on 28th April to 3rd May 2025.
5. **Ms. Rija Jose** attended 6-Day Online Faculty Development Programme (FDP) on Generative AI and Large Language Models (LLMs) organized by College of Engineering Perumon on 28th April to 3rd May 2025.
6. **Ms. Chinchu Jacob** attended 6-Day Online Faculty Development Programme (FDP) on Generative AI and Large Language Models (LLMs) organized by College of Engineering Perumon on 28th April to 3rd May 2025.
7. **Ms. Shiji S** attended 6-Day Online Faculty Development Programme (FDP) on “Exploring Language Models – ANNs to LLMs” organized by College of Engineering Perumon during 28 april to 3rd may 2025.
8. **Ms. Parvathy E.N** is selected for the Research Seed Money (RSM) funding scheme of APJAKTU for their project proposals worth 105K.



9. **Ms. Thasni K N** attended FDP on AI mastery for educators organized by IIT Patna during 15/05/25-07/06/25
10. **Ms Philo Sumi** got NPTEL Certification on Machine Learning during April 2025. She attended 6-Day Online Faculty Development Programme (FDP) on "Exploring Language Models – ANNs to LLMs" organized by College of Engineering Perumon during 28th April to 3rd May 2025.
11. **Ms. Geethu Gopan** got NPTEL Certification on Deep Learning during April 2025. She completed Google Cloud Certificate on Cyber Security during May 2025. She also successfully completed a course in Quantum Computing offered by C-DAC in collaboration with IIT Roorkee in May 2025.
12. **Ms. Anoop S** got NPTEL Certificate on Real time operating System during April 2025. She attended 6-Day Online Faculty Development Programme (FDP) on "Exploring Language Models – ANNs to LLMs" organized by College of Engineering Perumon during 28th April to 3rd May 2025. She got Google cloud certificate on Gemini Tools during June 2025 and Google cloud certificate on Data Analysis during May 2025. She also successfully completed a course in Quantum Computing offered by C-DAC in collaboration with IIT Roorkee in May 2025 and Master AI using Reinforcement learning organized by TKM, Center for AI during 7/4/2025-11/04/2025.



13. **Ms. Linu Paulose** got an NPTEL Certification on Deep Learning during April 2025. She attended 6-Day Online Faculty Development Programme (FDP) on "Exploring Language Models – ANNs to LLMs" organized by College of Engineering Perumon during 28 April to 3rd May 2025 and also attended an FDP 6-Day Online Faculty Development Programme (FDP) on "Pathway to Research: From Ideas to Impact" organized by TKM College of Engineering, Kollam during 5th May to 10th May 2025

14. **Ms. Anjaly Muralidharan** has successfully completed the 40-hour APEX Faculty Development Program on Artificial Intelligence from 18th Aug 2025 to 17th Sep 2025. She has also successfully completed the NPTEL Faculty Development Programme course "Introduction to Machine Learning" a 12-week course conducted from Jul–Oct 2025.

Newsletter Editorial Board

Faculty Incharge:

Ms. Shiji S and Ms. Anupa Tom

Student Editor:

Mr. John Varghese Nettady (S4 CSE(AI))

