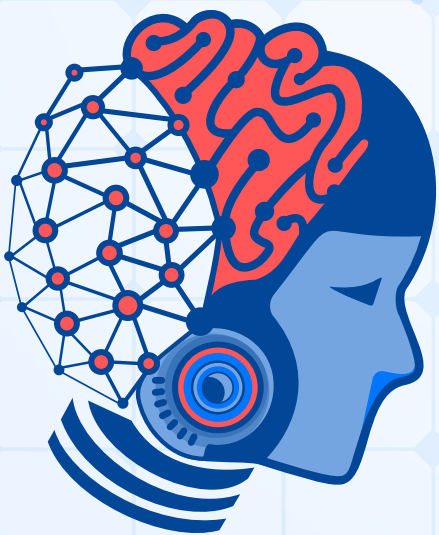
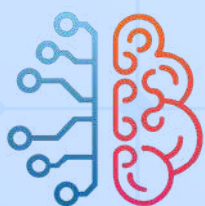


DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND
DATA SCIENCE

AI
Chronicles
NEWSLETTER



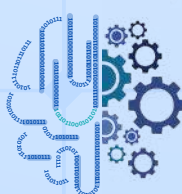
OCTOBER 2024 - MARCH 2025



Department of Artificial Intelligence and Data Science



Computational Intelligence Club



ASSOCIATION OF
ARTIFICIAL
INTELLIGENCE
AND DATA SCIENCE



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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



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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.



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Department FDP

The Department of AI & DS successfully conducted a Faculty Development Program on the topic Technology-Enabled Instructional Methods for Effective Teaching on 25th and 26th November 2024. The sessions were led by Dr. Tesymol Cyriac and Ms. Sheena Y. This FDP marked a significant step towards integrating technology into teaching practices, aiming for a more engaging and effective learning experience for students especially in the new curriculum perspective. Assessment tools such as crossword, match the following, jumbled words, online tests etc. from the following sites were introduced and practiced in this session.

- <https://hotpot.uvic.ca>
- <https://www.classmarker.com>
- <https://www.gnomio.com>
- <https://obsproject.com>



The program empowered faculty members with new skills and knowledge, enabling them to enhance their teaching methodologies.



Robotics Project expo

The expo will feature a wide range of robotic projects, from autonomous systems to AI-driven solutions, demonstrating creativity, engineering excellence, and futuristic applications.



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Ridha Riyas, Anitta Kurian, Sravan Chand, Syamjith A, Abhishek Biju from S6 AI & DS Won the first prize for the project A Colour-Sensing Robot for Simplified Navigation



Aparnamol KS, Alicia Theres Dominic, Alfiya Ashraf, Malavika S Menon, Nandana R from S6 AI & DS Won the second prize for the project - Aquasweep : Smart River Cleaning Robot



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Anjaly E S, Ayoona Maria John, Stephin Freejo from S6 CSE(AI) Won the first prize for the project Radar with Arduino



Akshay Jayakumar, Anna Mathews, Anna Yacob, Gourinandini Sunil from S6 CSE(AI) Won the second prize for the project AURA-Autonomous Utility Robotic Assistant



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Mr **Akshat Pradeep** Participated the Sparkathon ideathon was conducted by IEEE SB SIMAT at Sreepathy Institute of Management and Technology, Pattambi, as part of the annual tech fest, Kalaash'25 and won the first prize for his idea, 'HersTruly,' a software app focused on maintaining sanitation and reproductive health for women. The event featured a prize pool of Rs. 15,000, with the first prize winner receiving Rs. 7,000.



NPTEL Certification

Mr. Avinash of S4 AI got Elite certificate for NPTEL exam for the course - Python for Data Science

Ms Anusree from S2 AI & DS for achieving a top 2% ranking in the NPTEL course "Python for Data Science

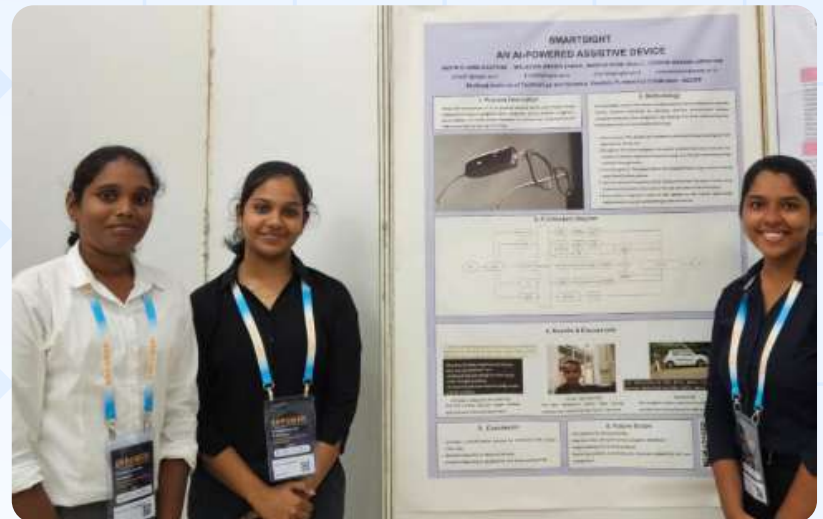
Neha kurian from S4- CSE(AI) python for data science - Elite certificate

Alfina Najeeb from S4- CSE(AI) programming in Java - Elite+ Silver



Team Achievements

Ms Malavika Unnikrishnan, Ms Marina Rose Shaju, Ms Amy M Elablasserial of S7 CSE(AI) guided by **Dr Cerene Mariam Abraham** presented a poster titled "Smartsight- Smart Glasses for the Visually Impaired and Elderly" at the three-day EMPOWER 2024 Conference held from October 17 to 19, 2024 at National Institute of Speech & Hearing, Trivandrum.



Mr. Rohan Jacob and **Mr. Adarsh Muralidharan** of S8 CSE(AI) had the honor of presenting their mini-project paper titled "Integrated ML Approach for Fake News Detection" at the 2024 IEEE 21st India Council International Conference (INDICON), held at IIT Kharagpur. The project was a collaborative effort, with contributions from team members **Ms. Shasna C** and **Ms. Minsa Aji**, and was guided by **Dr. Priya C.V.**



Dr. Cerene Mariam Abraham, Mr. Athul Krishnan M. U, Mr. Abhinav Balagopal, Mr. Gautham K. A, and Mr. Sarath Chandran V. received a copyright for the title "AI-Powered Non-Verbal Communication Coach for Job Interview Preparation."

Dimple Elizabeth Baby (AI & DS), Shaji M. Jamal (CE), Binol Varghese (CE), and Daniel A. V (CE) have received a copyright for the title "Barcode Scanner for Answer Script Mark Entry Mobile Application."

Varun Haridas (S6 CSE(AI)), Anagha Ravikumar (S6 EEE), and Vaishakh S. Nair (S6 CSE(CY)) secured the First Prize in the Money Conclave 2024 Ideathon for their exceptional pitch, presenting the startup idea "Hire Kerala." Their achievement was rewarded with a cash prize of ₹25,000 and an investment of ₹6 lakhs to bring their innovative concept to life. Congratulations to the team for this outstanding accomplishment.



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The paper titled "Designing Assistive Smart Glasses for Sudden Vision Loss: Empowering the Elderly and Technology-Averse Users," authored by **Malavika Unnikrishnan,**



Amy M Elambasserial, Marina Rose Shaju and Cerene Mariam Abraham has been awarded the Best Paper Award at the International Conference on Emerging Technologies for Intelligent Systems (ETIS) 2025, organized by KTU.

Amy M. Elambasserial, Malavika Unnikrishnan and Marina Rose Shaju of S8 CS(AI) has won THE RUNNER-UP AWARD in Artificial Intelligence stream for the project titled "SMARTSIGHT" guided by Dr. Cerene Mariam Abraham in SRISHTI 2025 held at Saintgits College of Engineering, Kottayam on 24, 25 February 2025.



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Jerit Joshy, Aswin Dev S P, Mohammed Fahan T M and Praneeth C F of S8 CSE(AI) received KTU CERD funding 2025 for their project "Multi Agentic System Powered by LLM for Enhanced Project Management and Knowledge Preservation"
PI: **Dimple Elizabeth Baby**
Co PI: **Dr. Cerene Mariam Abraham**



Faculty Achievements

1. **Dr. Sumam Mary Idicula** published a paper titled "A Systematic Survey of Automatic Image Description Generation Systems" in the International Journal of Image and Graphics, 2024. Another paper, titled "A Study of the State-of-the-Art Approaches and Datasets for Multilingual Natural Language Inference," was published in Springer US in December 2024.
2. **Ms. Rija Jose** got NPTEL Elite Certification on Data Mining on March 2025



3. **Ms. Divya K.S** Qualified UGC NET 2024
4. **Ms. Rinu Rose George** attended Online Fdp on Medical Image Analysis and its Advancements through Explainable AI and Security organized by IIIT Kottayam on 5th Feb 2025 to 14th Feb 2025
5. **Ms Shiji S** got an NPTEL Certification on Soft Computing on March 2025
6. **Ms Philo Sumi** attended an Online Fdp on Medical Image Analysis and its Advancements through Explainable AI and Security at IIIT Kottayam on 5th Feb 2025 to 14th Feb 2025
7. **Ms. Linu Paulose** got an NPTEL Certification on Machine Learning during March 2025.
8. **Ms. Geethu Gopan** attended APEX TCS FDP at Thane Maharashtra during Jan 2025.
9. **Ms. Anoop S** attended Virtual Lab from Pals during Jan 2025.

Newsletter Editorial Board

Faculty Incharge:

Ms. Shiji S and Ms. Anupa Tom

Student Editor:

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

