

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE
AND DATA SCIENCE
NEWSLETTER



VISION

CREATING ETHICAL LEADERS
THROUGH QUALITY

PROFESSIONAL EDUCATION WITH
EMPHASIS ON HOLISTIC EXCELLENCE

MISSION

- TO EMERGE AS AN INSTITUTION PAR EXCELENCE OF GLOBAL STANDARDS BY IMPARTING QUALITY ENGINEERING AND OTHER PROFESSIONAL PROGRAMMES WITH STATE-OF- THE-ART FACILITIES.
- TO EQUIP THE STUDENTS WITH APPROPRIATE SKILLS FOR A MEANINGFUL CAREER IN THE GLOBAL SCENARIO.
- TO INCULCATE ETHICAL VALUES AMONG STUDENTS AND IGNITE THEIR PASSION FOR HOLISTIC EXCELLENCE THROUGH SOCIAL INITIATIVES.
- TO PARTICIPATE IN THE DEVELOPMENT OF SOCIETY THROUGH TECHNOLOGY INCUBATION, ENTREPRENEURSHIP AND INDUSTRY INTERACTION.

CORE VALUES

FAITH IN GOD AND MAN

LOVE OF FELLOW BEINGS

BELIEF IN UNIVERSAL CITIZENSHIP

MORAL INTEGRITY

SOCIAL COMMITMENT.



DEPARTMENT MISSION

Strengthening basic competencies in the domains of Artificial Intelligence and Data Science. Providing high-quality, value-based technical education and developing technology professionals with creative ideas and compelling leadership abilities. Using logical thinking to create and develop cutting-edge products in collaboration with industry stakeholders in order to meet global expectations and requirements. Enabling graduates to adapt to new technologies via strong fundamentals and lifetime learning .

DEPARTMENT VISION

Creating ethical leaders in the domain of Artificial intelligence and data Science through effectual teaching and learning process to develop emerging technology solutions for the benefits of industry and society with a focus on holistic learning and excellence.

PROGRAMME EDUCATIONAL OBJECTIVES

- Graduates will demonstrate comprehensive expertise in Artificial Intelligence, Machine Learning, and Data Analysis, and apply interdisciplinary knowledge in Computer Science, Statistics, and Advanced Mathematics to address real-world challenges.
- Graduates will innovate and create impactful solutions ethically, contributing to societal betterment, leveraging their leadership, collaboration, and communication skills for effective teamwork and multidisciplinary endeavors.
- Continuously fostering a culture of lifelong learning, graduates will adapt to evolving technological landscapes, demonstrating adaptability and a commitment to ongoing professional development in the dynamic field of AI and Data Science.

PROGRAMME SPECIFIC OUTCOMES

- Graduates will be able to apply core principles of Science, Engineering, and Mathematics to develop AI-driven solutions for real-world challenges.
- Graduates will design, develop, and implement efficient as well as scalable algorithms using programming languages, data structures, and cloud computing technologies.
- Graduates will integrate ethical, social, and security considerations while developing AI-driven intelligent systems, ensuring responsible AI deployment.

A Note from the HoD...

It gives me immense joy to welcome you all to the **6th Issue of the Artificial Intelligence and Data Science (AI & DS) Department Newsletter**. This edition reflects the vibrancy, creativity, and commitment of our department as we continue to embrace the opportunities presented by this dynamic field.

In these pages, you will find highlights of our students' and faculty members' accomplishments—ranging from cutting-edge research outcomes to impactful community initiatives. Their enthusiasm for learning and innovation has enabled us to expand our horizons and build stronger connections with industry and academia alike.

Over the past months, our department has actively engaged in activities that promote holistic growth—be it technical fests, internships, expert talks, or collaborative projects. Initiatives such as entrepreneurship awareness programs, coding challenges, and interdisciplinary seminars have helped our learners gain confidence and sharpen their problem-solving mindset.

As we move forward, our focus will remain on fostering resilience, adaptability, and responsible innovation. We envision our students not only as technologists but also as ethical leaders who can shape a future where intelligent systems serve humanity in meaningful ways.



BINEESH M

Head the Department

Student Spotlight

It is with immense pride that I present the **6th Issue of the AI & DS Department Newsletter**, reflecting our department's pursuit of knowledge, innovation, and skill development.

This year featured a **6-day Placement Training Program** with *Aesthetix Edu-Tech, Kochi*, equipping students with essential employability skills, and the inauguration of our association **AIDA**, which opened new avenues for collaboration, creativity, and student-led initiatives. Students also gained valuable exposure through industrial visits to the **Tonca Sewage Treatment Plant, Goa, Christie Engineering Company, Noida**, and **Tinkerspace, Kochi**, broadening their understanding of real-world applications of AI and technology.

Workshops on **Data Analytics using Tableau** and **AI-Driven Robotics** further bridged theory with practice, fostering hands-on learning and innovation. Faculty members enhanced their expertise through the **MATLAB FDP** and an **NLP STTP** in collaboration with ICT Academy of Kerala, ensuring that teaching and research remain aligned with the latest advancements in AI.

This issue celebrates not only our academic and technical milestones but also the collective spirit of our department. As AI continues to reshape our world, we remain committed to learning, innovating, and contributing responsibly. Heartfelt thanks to all faculty, peers, and contributors—together, let us continue this inspiring journey of growth and excellence.



SNEHA PAUL
Student Editor

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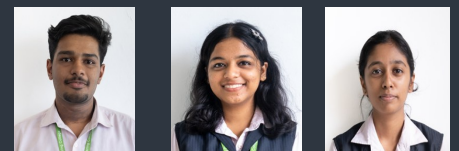
DEPARTMENT OF
ARTIFICIAL INTELLIGENCE AND
DATA SCIENCE ENGINEERING

PLACEMENTS

We are delighted to share that our students **Bhagalakshmi Saburaj, Gopika P. S., Muhammed Musthafa, Jeslin Leela, Reshma K. R., and Hridya Girish** have been successfully placed at **Movate Technologies Private Limited**.



We are proud to announce that our students **Ivine P. Sabu, Aiswarya A. K., and Gouri K. P.** have been successfully placed at **Cognizant**.



We are pleased to announce that our students **Aiswarya K. G., Annliya P. Shajan, Hameem Abdul Nassir, John Davis, and Miriam Moncy Thomas** have been successfully placed at **EY Global Delivery Services**.

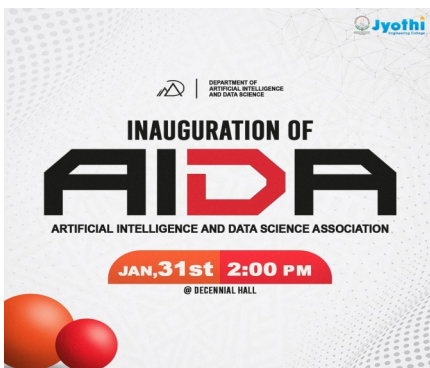


DEPARTMENT HIGHLIGHTS

A 6-day Placement Training Program is scheduled from **20th to 25th January 2025** at the AD Department, Jyothi Engineering College. The program will be conducted in collaboration with **Aesthetix Edu-Tech, Kochi, Kerala**. Training sessions will run daily from 9:00 AM to 4:00 PM, focusing on enhancing employability skills.



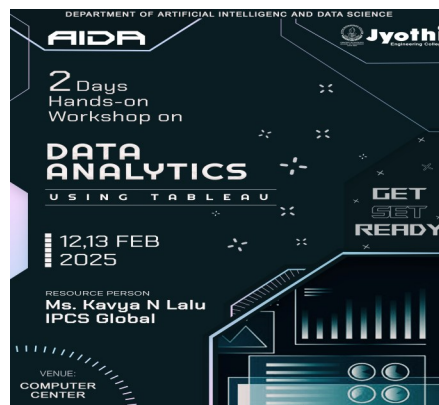
The Department of Artificial Intelligence and Data Science inaugurated its association, **AIDA**, on **January 31, 2025**, at Decennial Hall. The event marked the beginning of a new platform for fostering innovation, collaboration, and skill development among AI and Data Science students.



From **February 5 to 9, 2025**, S6 students of the Department of Artificial Intelligence and Data Science, **Jyothi Engineering College**, visited the **Tonca Sewage Treatment Plant (STP)** at Patto Centre, Panaji, Goa. The visit was coordinated and accompanied by **Mr. Shine P. Xavier**.



The Department of Artificial Intelligence and Data Science organized a two-day hands-on workshop on **“Data Analytics Using Tableau”** on **February 12–13, 2025** at the Computer Center. The session, led by **Ms. Kavya N Lal** from IPCS Global, introduced students to data visualization techniques and practical applications of Tableau, enhancing their skills in data analysis and interpretation.



The Department of Artificial Intelligence and Data Science conducted a two-day workshop on **“Robotics: Empowering Students with AI-Driven Hardware Innovations”** on February 18–19, 2025, at the Data Science Lab. Led by **Mr. Navaneeth Nallesh**, Founder and Director of Maxq Robotics, the workshop provided hands-on training in robotics and AI-powered hardware, fostering innovation and technical skills among students.

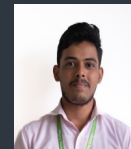
NEWSLETTER

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE ENGINEERING PLACEMENTS

We are delighted to share that our students **Nandana Anand** and **Naveen Wilson** have been successfully placed at **6D Technologies**. Adding to this accomplishment, **Nandana Anand** has also been placed at **Federal Bank**



We are proud to announce that **Shane Sunny** has been successfully placed at **Technologics Global, Sutherland, and LTIMindtree**.



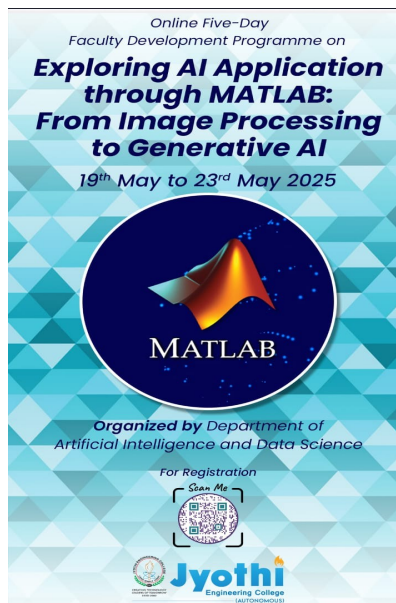
We are pleased to share that **Anliya P. Shajan** has been successfully placed at **ESAF**.



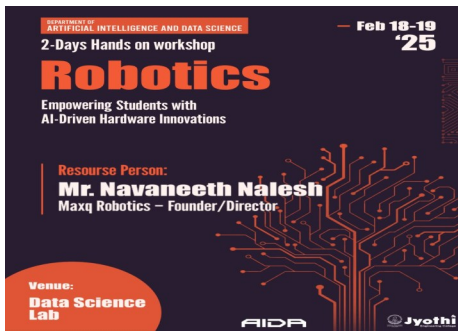
We are delighted to announce that **Judin Johnson** has been successfully placed at **Vienna IT Networks LLC**.



The Department of Artificial Intelligence and Data Science conducted a Faculty Development Programme on “**Exploring AI Applications through MATLAB: From Image Processing to Generative AI**” from **May 19–23, 2025**. The FDP provided hands-on exposure to diverse AI applications, covering topics from image processing techniques to the latest advancements in generative AI. All faculty members of the department actively participated in this FDP.



The Department of Artificial Intelligence & Data Science at Jyothi Engineering College (Autonomous), in collaboration with **ICT Academy** of Kerala, organized a Short-Term Training Programme (STTP) on **Natural Language Processing (NLP)** from 09th to 13th June 2025.



From **February 21–28, 2025**, S8 students of the Department of Artificial Intelligence and Data Science, Jyothi Engineering College, visited **Christie Engineering Company, Noida**. Accompanied by Mr. Jayakrishnan A, Ms. Parvathy Jyothi, and 2 parents, 38 students explored AI-driven CNC machining technology and its role in modern manufacturing.



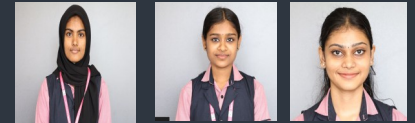
On **27th February 2025**, S4 students of the Department of Artificial Intelligence and Data Science, Jyothi Engineering College, visited **Tinkerspace, Kalamassery, Kochi**. Accompanied by Mrs. Anjali O and Mr. Jithin K. C, 53 students explored makerspaces, gaining hands-on insights into product prototyping, innovation, and collaborative tech environments.



NEWSLETTER

DEPARTMENT OF
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DATA SCIENCE ENGINEERINGUNIVERSITY RESULT
TOPPERS

In S3 university exams, AD toppers are Rosmila K T (9.64), Keerthi K (9.18) & Aishwarya Dinesh (8.91)



In S5 university exams, AD toppers are Krishnendu U N (8.65), Sneha Paul (8.57) & Liya M (8.48)



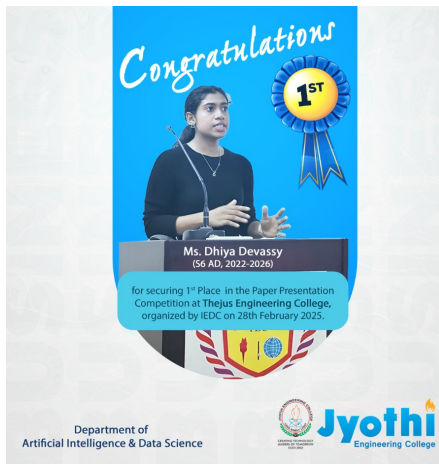
In S6 university exams, AD toppers are Aparna Joseph (9.60), Bhagyalakshmi S (9.3), Gopika P S (9.2)

NPTEL STUDENTS
PERFORMANCE

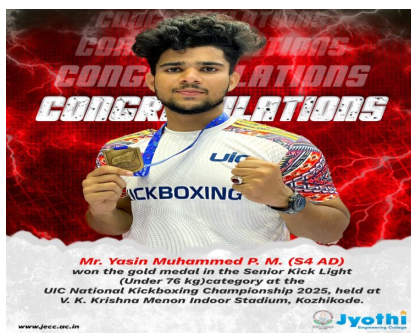
A total of 12 students from S4 AD successfully completed NPTEL courses, with 7 students securing Elite scores, showcasing their dedication to continuous learning and excellence.

STUDENT ACHIEVEMENTS

A big congratulations to **Ms. Dhiya Devassy** (S6 AD, 2022-2026) for securing 1st Place in the Paper Presentation Competition at Thejus Engineering College, organized by IEDC on **28th February 2025**. Your hard work and passion for knowledge have led you to this well-deserved success. Keep striving for excellence!



Mr. Yasin Muhammed P. M. (S4 AD) won the gold medal in the **Senior Kick Light (Under 76 kg)** category at the **UIC National Kickboxing Championship 2025**, held at V. K. Krishna Menon Indoor Stadium, Kozhikode. Congratulations on this remarkable achievement.



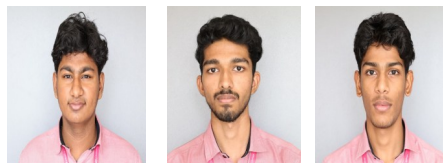
Al Amthan R. M. (Semester 6 AD department) achieved qualification for the **South-West Zone Inter-University Karate Competition** and advanced to represent APJAKTU in the All India Inter-University Karate Competition 2024-25 at Maharshi Dayanand University, Rohtak.



Ms. Aquamol Tony secured the **1st Runner-Up** title in **Miss Kerala Bold and Beautiful 2024**, bringing pride to the department with her confidence, talent, and determination.



A team comprising **Muhammed Naizan P. S., Leo Antony, and Lloyd Sebastian** won the 3rd Prize in the **Karthavya Hackathon**, organized by the Mechanical and Civil Departments of Jyothi Engineering College. Their innovative ideas and teamwork earned them recognition among strong competitors from various branches.



Sneha Paul, 2022-2026 AD, has been selected for the Event Planning Lead role for **IEEE CS SYP HIZE** (High Impact Zonal Event).



FACULTY ACHIEVEMENTS

- Faculty members **Ms. Anjali O**, **Mr. Bineesh M**, **Mr. Jayakrishnan A**, **Ms. Nikhitha N**, **Ms. Parvathy Jyothi**, and **Mr. Shine P Xavier** completed the ATAL FDP on “**Advanced Techniques in AI and Machine Learning**” at the College of Engineering Cherthala, Kerala, from **January 6–11, 2025**.
- Faculty members **Ms. Anjali O** and **Mr. Jithin K C** completed a 6-hour online course on “**Introduction to Data Science**” by CISCO Networking Academy on **January 28, 2025**.
- Faculty member **Mr. Jithin K C** completed a 30-hour online course on “**Data Analytics Essentials**” by CISCO Networking Academy on **January 31, 2025**.
- Ms. Divya Konikkara** completed the ATAL FDP on “**Strategic Approaches and Emerging Trends in Data Science**” at FISAT from February 10–15, 2025.
- Mr. Shine P Xavier** published a book chapter on “**Air Quality Forecasting Using ANN in India**,” & attended a 5-day Faculty Enablement Program on AI by Infosys Springboard (**Feb 17–21, 2025**), and served as a resource person for a technical talk on Generative AI at VAST, Thalakkottukara (**Feb 24, 2024**).
- Mr. Bineesh M successfully received funding for the student project titled “**Sign Language Recognition and Translation**.” This initiative aims to develop innovative solutions to bridge communication gaps for the hearing and speech impaired.
- Ms. Neenu Jose attended a Faculty Development Program on “**Entrepreneurship and IPR**” from March 3 to March 26, conducted by HRDC KTU in collaboration with Kerala Startup Mission.

The Department of Artificial Intelligence and Data Science proudly congratulates **Ms. Nikhitha N** (Assistant Professor, AD) for successfully clearing the **UGC NET, qualifying her for PhD admission**. This accomplishment reflects her dedication and academic excellence.



Dr. Seenia Francis, Associate Professor, AI & DS Department, was granted a patent by the Government of India for her invention “**AI-Assisted Contouring System and Method for Organs at Risk in CT Images**,” enhancing precision in medical imaging and treatment planning.



Ms. Parvathy Jyothi earned an Elite Gold and Top 1% certificate in the NPTEL course “**Python for Data Science**,” while **Ms. Anjali O** completed the NPTEL course “**Data Science for Engineers**” with 76% and attended its FDP.



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FACULTY PAPER PUBLICATIONS

On February 25, the Department of AI & DS published and presented the following papers in IEEE at a conference hosted by Jyothi Engineering College: Ms. Parvathy Jyothi – *Plant Disease Detection and Remedies Using Convolution Neural Network*; Mr. Shine P. Xavier – *AI Empathetic Chatbot with Real-Time Emotion Detection Using Multimodal Fusion and BO-CNN Optimization*; Mr. Jayakrishnan – *Hate Speech Recognition Using BERT and CNN*; Ms. Anjali O. – *Personal Protective Equipment Detection Using YOLOv8*; Dr. Anoop V. – *Advancing Sign Language Prediction with Neural Network Models*; and Ms. Reni Jose – *A Tunicate Optimization-Based InceptionV3 Model for Brain Tumor Classification Using MRI*.



Ms. Divya Konikkara and Mr. Bineesh M published a paper titled “*Blind Assist System for Currency Recognition Using Sequential Convolutional Neural Networks*” in the 2025 IEEE 2nd International Conference on Trends in Engineering Systems and Technologies (ICTEST).

