



PANIMALAR ENGINEERING COLLEGE

An Autonomous Institution - (JAISAKTHI EDUCATIONAL TRUST)

Affiliated to Anna University, Chennai
Approved by AICTE, UGC FOR 2(f) & 12(B) STATUS
ACCREDITED BY NATIONAL BOARD OF ACCREDITATION(NBA)

CAMPUS CONNECTOR



2025 - 2026

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE



IEEE



IEEE COMPUTER SOCIETY



INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

ABOUT

The department of artificial intelligence and data science showcases its commitment to excellence through faculty upskilling, student achievements, impactful research, industry collaborations, and outreach initiatives aligned with emerging technologies and global sustainable development goals.

SUSTAINABLE DEVELOPMENT GOALS





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News and Views Around



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Volume 3

Issue 1

November 2025

EDITOR'S NOTE

Dear Readers,

With great pleasure, we present this newsletter from the Department of Artificial Intelligence and Data Science, Panimalar Engineering College. It highlights the semester's key milestones and the achievements of our students and faculty. We gratefully acknowledge Dr. S. Malathi, Head of the Department, for her continued support and guidance.

INSTITUTE VISION

To transform the budding engineers into academically excellent, highly intellectual and self-disciplined engineering graduates to mould them as good citizens with the spirit of integrity and morality that would cater to the needs of our nation.

INSTITUTE MISSION

- To impart quality education with high standards of excellence in engineering and technology.
- To provide an excellent infrastructure in a serene and conducive atmosphere that would motivate the students in their pursuit of knowledge in the field of engineering and technology.

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DEPARTMENT VISION

To produce high quality creators and ethical engineers for innovative technology in the field of Artificial Intelligence and Data Science.

DEPARTMENT MISSION

- M1:** To develop the department as a center of Artificial Intelligence for significant breakthroughs in advancing the promise of human-machine systems that can address complex cognitive tasks.
- M2:** To impart quality and value-based education and contribute towards the innovation of computing Data Science for the translation of data into information to support and improve decision making.
- M3:** To produce ethical engineers and researchers by inculcate the values of humanity and courage in producing relevant solutions to address business and societal challenges.

PROGRAMME EDUCATIONAL OBJECTIVES(PEOs)

PEO 1: Mastering AI and Data Science for Human Machine Synergy

To enrich knowledge to the engineering students with cutting-edge technologies like Artificial Intelligence and Data science and enable them to develop innovative solutions to solve complex problems in various sectors and to enhance the synergy between humans and intelligent systems for optimal performance.

PEO 2: Fostering Interdisciplinary Research Innovation and Ethics

To engage the students in advanced research with special focus on AI and cultivate a deep knowledge of ethical frameworks that will contribute to the development of fair and accountable systems that prioritize societal well-being.

PEO 3: Pathways to Professional Excellence

To enable the students to secure successful careers through strong technical expertise and skill sets and drive them to pursue lifelong learning with integrity- driven mindset and become successful entrepreneurs.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO 1 : AI Driven Innovation

Graduates should be able to evolve AI based efficient domain specific processes for effective decision making in several domains such as business and governance domains.

PSO 2 : Data-Driven Decision Making Insight

Graduates should be able to arrive at actionable fore sight, insight, hind sight from data for solving business and engineering problems.

PSO 3 : Societal Intelligence Solutions

Graduates should be able to create, select and apply the theoretical knowledge of AI and Data Analytics along with practical industrial tools and techniques to manage and solve wicked societal problems.

Programme Outcomes(POs)**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).

EDITORIAL BOARD**Chief Editor:****Dr. S. MALATHI****Faculty Editor:****Mrs.S. SRINIDHI****Student Representatives:****AATHISUDHAN A (III -H), ABISHEK RANGARAJ M (III -H)**

...ACADEMIC HIGHLIGHTS...



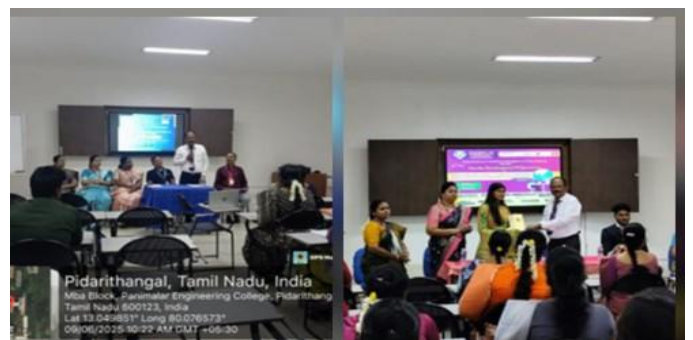
The AURA Club organized a series of engaging events to showcase their talents in singing, dancing, and photography. The program was enriched by the presence of Mr. A.K. Sasidaran, a renowned music composer and singer.



The **Data Structures and Algorithms Laboratory** was inaugurated in AI & DS Block 2 offers students practical experience in problem-solving, algorithm design, and programming.



A **one-week STTP** on “AI and Data Analytics for Healthcare” was conducted from **09.06.2025 to 14.06.2025** in hybrid mode, offering insights into AI’s role in transforming modern healthcare.



Faculty Development Programs (FDPs) were organized on the following topics—**Generative AI in collaboration with NITTTR Chandigarh and Harnessing Intelligent Systems in the Industry 5.0**



A **Seminar on European Education** was organized to guide students on higher studies, scholarships, and career opportunities in European universities highlighting the



An **EDC session** on “My Journey, Your Playbook – Entrepreneurship and Finance, The Bridge” was led by **Ms. Mohana Priya Ravi**, Founder and CEO of **Finteen**. She inspired students by sharing her entrepreneurial journey and key insights on success.

The AURA Club celebrated Golu (Navaratri) with great enthusiasm, showcasing creativity and cultural spirit through vibrant displays. The AURA Club organized a series of creative and cultural events, including drawing, **painting, chess, and craft competitions**, encouraging students to showcase their talents.

The institution has been recognized as an **Authorized Pearson VUE Examination Centre**, with the **AI & DS Department** providing its lab facilities. A total of **80 candidates**, including **72 external participants** and **8 students** appeared for the exams.

...NOTABLE OUTCOMES...



...Ph.D. ACHIEVERS...



Prof. Dr. C. Vivek and Prof. Dr. T. Selva Banu Priya successfully completed their Ph.D. in May 2025 and July 2025 respectively.

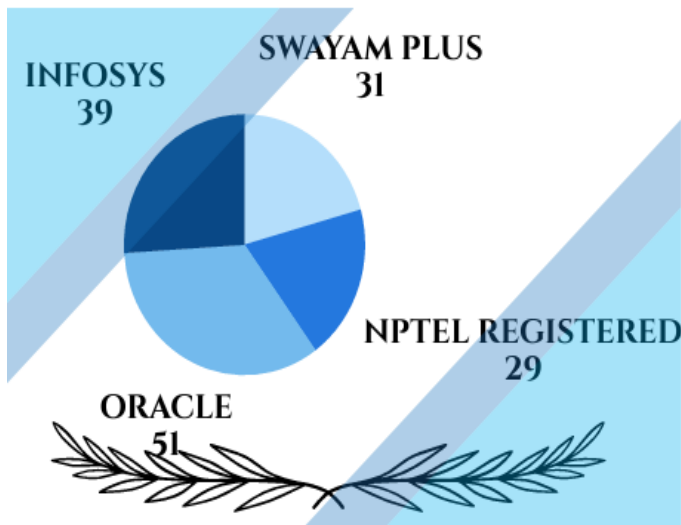
...Ph.D. Supervisors...

A total of **8 research scholars** are pursuing their Ph.D. under **Prof. Dr. S. Malathi**, while under **Prof. Dr. K. Jayashree**, **8 scholars** are pursuing and **4** have submitted their theses. Furthermore, **2 new scholars** enrolled in the research centre for the **2025–26** academic year.

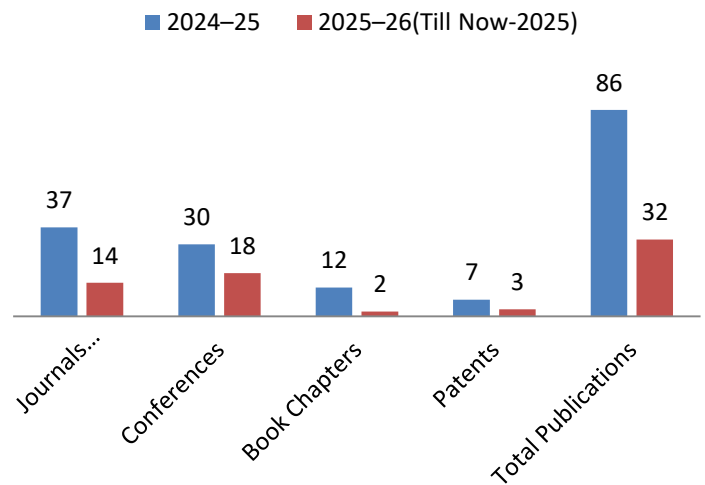


Prof. Dr. W. Gracy Theresa and Prof. Dr. K. Jayashree conducted an AI training session for Higher Secondary Teachers at Chennai Public School. The session focused on enhancing teachers' knowledge of AI concepts and their classroom applications.

...FACULTY CERTIFICATIONS...



Faculty Publications



..LEARNING VISIT...

...INDUSTRIAL VISIT...



Students visited leading companies including TANSAM, Greens Technologies, Redback Studios, IT Software Logics, Proconnect, Ashok Leyland, and Aeroknotez, gaining valuable industry exposure.

...INTERNATIONAL EXPOSURE PROGRAM...

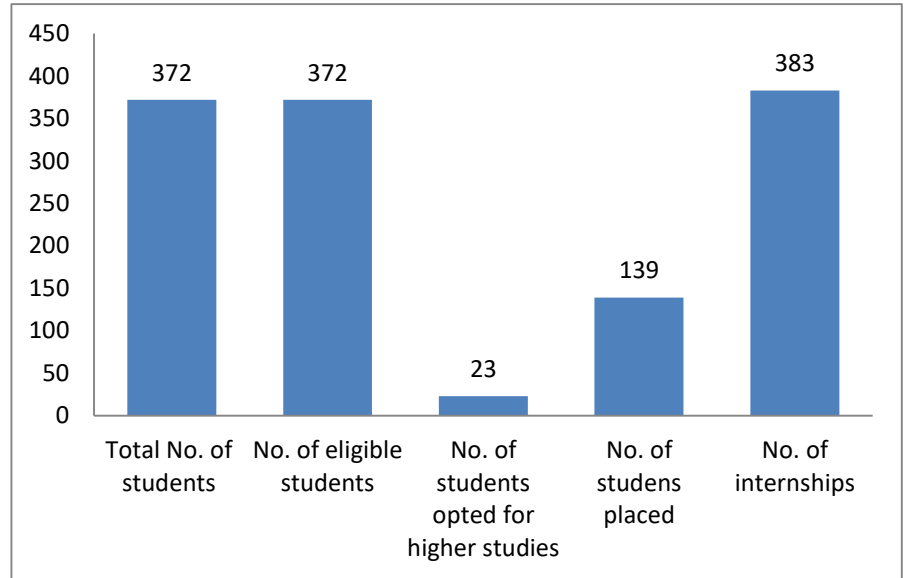
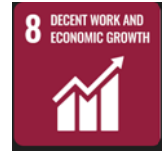


Eight students from third year participated in a one-week International Immersion TechFusion Program at UCSI University, Malaysia from 22nd–26th September 2025. The program focused on “Securing the Future: AI-Driven Innovations and Ethical Cybersecurity Frameworks.”

A total of **40 students** have enrolled in the **Malaysian Internship Program** organized by **Cybertronium**, a global leader in cybersecurity and AI training.

...LEARNER INITIATIVES...

...PLACEMENT ACTIVITIES...



...PLACEMENT STATISTICS...

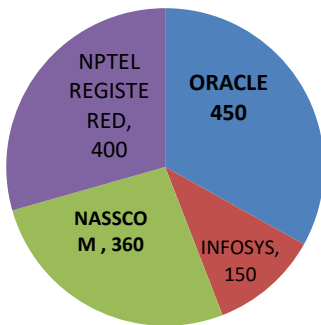
Total Students Placed: 139
Total Offers Received: 180
Average Package: ₹4.7 LPA
Highest Package: ₹7.5 LPA (Sathya Sree R – Capgemini)
First offer received : Abishek.S (Kaar technologies)

...CAREER GUIDANCE...



The AI & DS Department and IEEE hosted an Alumni Talk on 15th August 2025, where Mr. **Pramod Chandra (Juspay)** shared inspiring career insights with first-year students.

STUDENT CERTIFICATIONS



Internship & Fellowship Achievements

- Jeswin R, Jenish J, Karthi K & Gokul N(III Yr) – 4-month Zuntra Digital Fellowship for their VIT Hackathon project.
- Eswar R & Sriram S(III Yr) – 1-month GJ Square Solutions Internship on Fake News Detection Chatbot (₹3,000 stipend).
- Balaji V(III Yr) – 2-month AI/ML Internship at Billion Bright Solution LLP (₹20,000 stipend).
- Farih M.D. & Harish P.(III Yr) – MERN Stack Internship; Hari Prakash M. & Keshav Vippin S. – Data Science Internship at BITS Pilani.
- R. Jagadish(IV Yr) – 2-month Cognizant Internship in Full Stack Development & QA Testing, contributing to a GA-ready feature using Angular, C# .NET & Selenium.
- Ikshitha S, Gayathri A, Arshiya A, Deepika R & Benila M(IV Yr) – Developed “Resqon: Zip-Pod Ambulance” during their Mizoram University Internship, enabling faster emergency transport.

...ACADEMIC TOPPERS...

I YEAR/II SEM

KUNGUMAYEE.M GPA-9.50	SABITHA SARAVANAN GPA - 9.44	JYOTSHA.S GPA - 9.44
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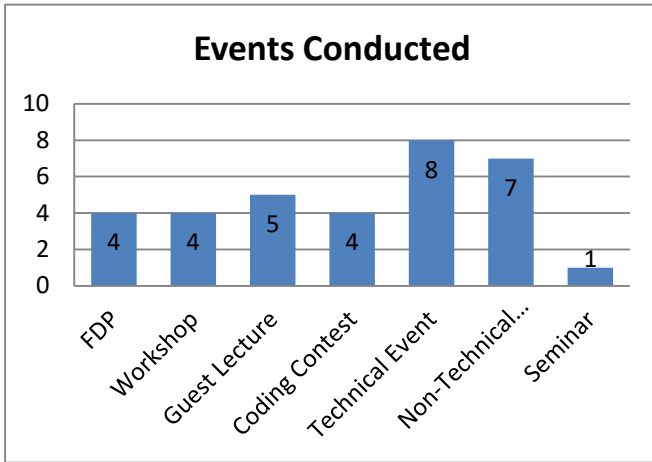
II YEAR/IV SEM

AKSHAYKANNIA.G GPA - 9.375	CAROLINE SATHYA.G GPA - 9.375	MITHRA SHREE.A GPA - 9.333
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III YEAR/VI SEM

JANANI PRIYAS GPA - 9.304	VARSHA.R. GPA - 9.174	JENNATHULZULFIYALA GPA-9.130
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... Events & Research Spotlight ...



...Research forum...

- **Prof. Dr. S. Malathi and Prof. Dr. W. Gracy Theresa** submitted a pre-proposal to the Government of India's ANRF for an AI-powered drone integrating LiDAR, thermal cameras, YOLOv8, and PointNet to enable real-time disaster detection, supporting SDG 11 & 13.
- **Prof. Dr. P. Kavitha**, proposed SmartClass Edge under the DST-AICTE RPS scheme, leveraging AI and IoT-based assistive tools like speech-to-text, Braille, and gesture recognition to empower differently abled students in line with NEP 2020 and Digital India.

...STUDENT EXCELLENCE... TECHNICAL EVENTS



Santhosh A and Mathan PGS, IV Year AI&DS – Won Second Prize in the Arcade of Answers technical quiz at FLAIR 2k25, LICET. Chennai.



Abeshek Sriramn, Arivu Selvan M, Jamal Mohammed R, and Aneeshwar S, III Year– Won 2nd Prize in Techathon for their project “Craft Connect.”



Ashwanth Raj, III Year Won First Prize at the International Conference at Arunal Engineering College for his project “Disease Prediction on Crops with Drones.”



Hariprakash M, Jaya Krishna M, and Harish P, III Year – Won First Prize (₹3,000) in a Hackathon at Meenakshi Sundaram College.

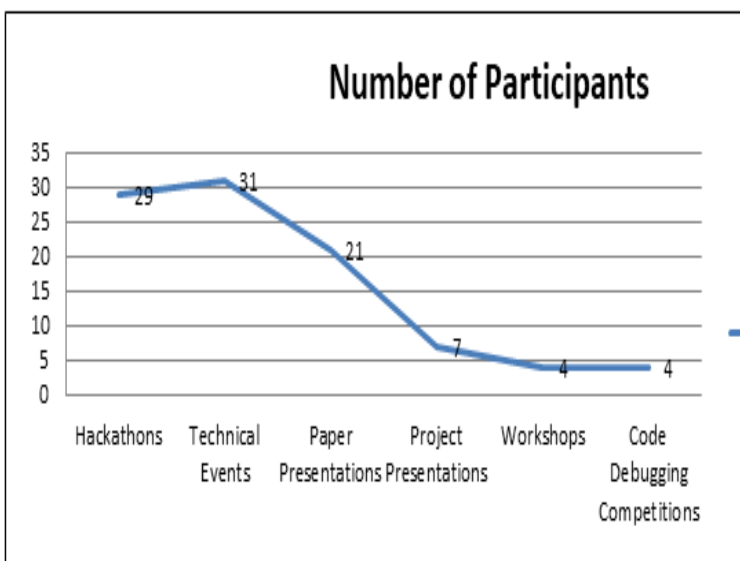


Viknesh, III Year – Received the Social Media Titan Award from Hexaware for his creativity and leadership.



Harini S, Bency Sandra M, Bhavya Shree D, and Eileen Delcy E M, II Year AI&DS – Secured 1st Runner-Up at the NASSCOM Hackathon, winning ₹2,00,000.

...Shining Beyond Classroom...



... IEEE EVENTS...



IEEE Xtreme 19.0 (2K25) global coding competition was conducted on October 25, with students securing world ranks **359, 364, and 365** among **8,169** teams.

IEEE Day 2025 was celebrated on 7th October, **marking its 16th year.**

...NON-TECHNICAL EVENTS...



Harish.J, Swarnalakshmi S of III Yr. won 2nd prize in *Act O Clock* at Zenista 2K25, Sairam Engineering College.



Amruth Chanakya A, III Year AI&DS – Achieved a FIDE Rapid Rating of 1429 Elo at the 5th CAPA Chess Academy International Open.



Jayasri S and Jayasri B (II Year) secured 4th place out of 48 teams in Ignite Pitch '25, an idea-pitching competition by the college's EDC.



Sruthi Krishnan, III Year AI&DS – Took part in a Guinness World Record feat forming a 133-foot Thiruvalluvar image through Bharatanatyam.



Allen Josh D (II Yr.) - honored by the Bucephalus International Book of Records for his performance in *Paaduvor Paadalam* under the Keyboard



P. Sanchanaa, III Year AI&DS – Key player of the college basketball team that secured 4th place in the Anna University Zonal Tournament.



K. V. Monish (III Year) won the Gold Medal at the 4th South India Karate Championship in Bangalore and qualified for the Inter-Zonal championship

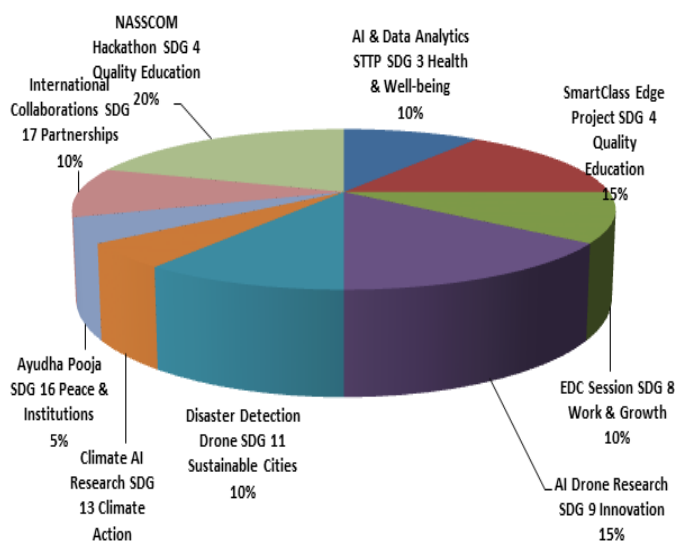


Muthu Pandi, III Year Secured 1st place in Long Jump at the CM Trophy 2025 District-Level Competition organized by SDAT, Thiruvallur.

...CLUB ACTIVITIES...

- **AR/VR Club:** Hosted industry experts, launched Metaverse Explorers Hub, and conducted interactive AR/VR demos for students.
- **Data Science Club:** Organized coding contests, innovative pitch events, debates, and collaborative idea-sharing sessions.
- **Artificial Intelligence Club:** Conducted logic challenges, code-cracking, quizzes, and creative tech-art activities to foster innovation.

SDG ALIGNED



Upcoming Activities

- ✓ **Techdivathon** – February 2026
- ✓ **Symposium** – February 2026
- ✓ **Sports Day** – February 2026
- ✓ **Class Committee Meeting** – February 2026
- ✓ **PECTeam Conference** – March 2026
- ✓ **Women's Day Celebration** – March 2026

Thank you for joining us on this edition. Stay connected for more inspiring stories and achievements in our upcoming editions.

Prof.Dr.S.Malathi, Prof.S.Srinidhi