DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CSE
We Exist Everywhere

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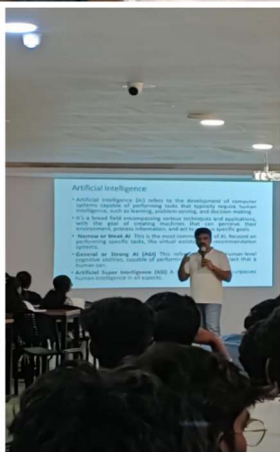
NEXTGEN NEWS

AUGUST 2025

PROFESSIONAL CHAPTER ACTIVITY - IE(I)

The Department of Computer Science and Engineering, in association with The Institution of Engineers (India) [IEI] Student Chapter, organized Paper Pandemonium for the II Year IE(I) members on 08th August 2025. The Staff Co-ordinators of this event was Mrs. V. C . Ranganayaki, Assistant Professor & Mrs. G. Kalingarani, Assistant Professor, St. Joseph's Institute of Technology. Three teams were shortlisted and declared as winners. The First Prize of ₹500 was awarded to the top-performing team, the Second Prize of ₹300 to the runner-up, and the Third Prize of ₹200 to the third-place team. The first prize was won by Jalin.S, Jershan David G, Hariharan I, Kumaresh S. The second prize was won by Kenshiah Anand, Jerlyn Riona, Jasmine A, Lakshana S. The third prize was shared by two teams. The third prize was received by Janesh V, Keshav S, Jeevan S. A, Kowshik Raj G and the other team who won third prize was Harish Kumar M, Karneeshwaran S, Krishna Kumar R and S. Karthikeyan.

PROFESSIONAL CHAPTER ACTIVITY - IE(I) AWARDS

The Institution of Engineers (India), CSE Chapter received 4 awards from IE(I) Kancheepuram Local Centre on 30th August 2025 at Jerusalem College of Engineering.

SPECIAL RECOGNITIONS:

• **Dr. J. Dafni Rose – Chief Faculty Advisor**

• **Dr. D. Menaga – Best Faculty Advisor Award**

• **Ms. Marlin Dorthy – Best Student Award**

• **CSE Department-Best Chapter Award.**

PROFESSIONAL CHAPTER ACTIVITY - IEEE

The Department of Computer Science and Engineering, in association with IEEE Region 10 AdHoc Committee on Entrepreneurship and Innovation, organized event titled on Entrepreneurship Journey for the IEEEE members on 1st August 2025. Mr. Santosh Chaluvadi shared his personal journey of starting Supraja Technologies and the transition from a student to a tech entrepreneur. He discussed the importance of innovation, problem-solving, cybersecurity, and ethical hacking in today's startup ecosystem. Emphasis was given on the mindset shift required for entrepreneurship, risk-taking abilities, and building a purpose-driven venture. Participants had an interactive Q&A session, where they asked about startup challenges, funding, and building a tech company. The main objective of the Session to inspire and guide students on the entrepreneurial path by sharing real-world insights, challenges, and growth strategies from a successful tech entrepreneur and ethical hacker.
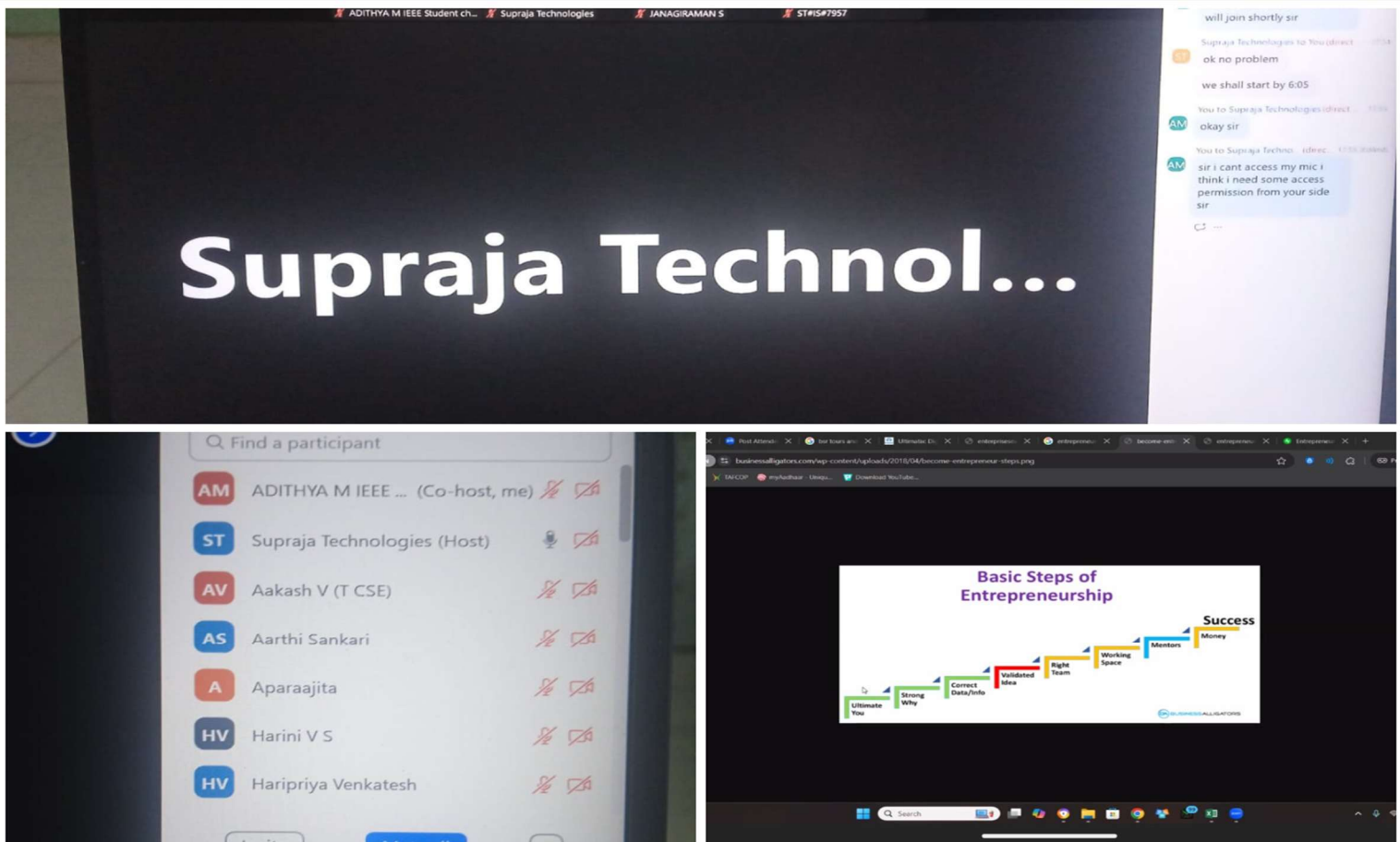
PROFESSIONAL CHAPTER ACTIVITY - CSI

The Department of Computer Science and Engineering, in association with Computer Society of India (Kancheepuram Chapter) had conducted a technical talk on Networking Fundamentals for CSI students that was held on 2nd of August 2025. This session aimed to test the technical knowledge, problem-solving skills, and critical thinking abilities of participants in Technical Field. It brought together participants and backgrounds to compete in a challenging yet engaging environment. A technical talk on Networking Fundamentals was recently conducted, offering an insightful overview of the core principles that underpin modern digital communication. The session covered essential topics including network types (LAN, WAN, MAN), key hardware components (routers, switches, and hubs), the OSI model, IP addressing, and fundamental network security practices.

CLUB ACTIVITY – GLUG CLUB

The Department of Computer Science and Engineering, in association with the GLUG Club, organized a session titled "Open Source Unlocked: Powering the Future with Free Software" for the members of the GLUG Club that was held on 2nd of August 2025. The session was facilitated by Dr. V. Arun, Assistant Professor, Department of Computing Technologies, Kattankulathur. The session began with an insightful introduction to the foundational principles of Free and Open-Source Software (FOSS). The facilitator elaborated on the history, philosophy, and real-world significance of the open-source movement. Key platforms and communities supporting open-source development were also discussed. Participants gained in-depth knowledge of open-source software principles and the importance of FOSS in modern computing.
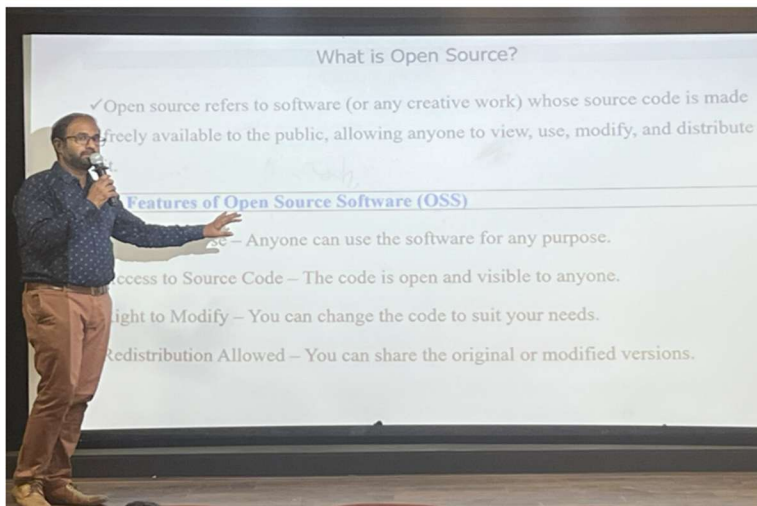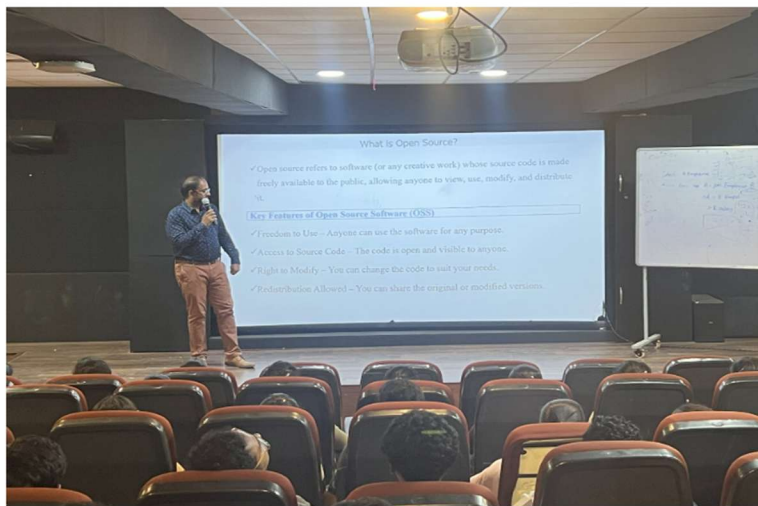
CLUB ACTIVITY – ENTREPRENEURSHIP DEVELOPMENT CLUB

The Department of Computer Science and Engineering, in association with the Entrepreneurship Development Club (EDC), organized a session titled "Startup Insights Session" for II-Year students that was held on 4th of August 2025. The session was facilitated by Mr. A. Balamurali, Assistant Professor, Department of Computer Science and Engineering, St. Joseph's Institute of Technology. Mr. Balamurali is an experienced entrepreneurship mentor, recognized for his expertise in guiding budding entrepreneurs, developing startup ideas, and promoting innovation-driven learning. By attending this session, students are expected to, Gain awareness of entrepreneurship as a career option, Understand the process of ideation, validation, and execution of a startup, get motivated to participate in EDC and IIC initiatives, Develop leadership and problem-solving skills essential for entrepreneurial success.

CLUB ACTIVITY – ENTREPRENEURSHIP DEVELOPMENT CLUB

The Department of Computer Science and Engineering, in association with E-CELL IIT BOMBAY organized a National Entrepreneurship Challenge "Start-up Sprint – 2025" for II-Year students that was held on 7th of August 2025. The StartUp Sprint – 2025 pitch competition saw participation from 20 dynamic teams, each presenting innovative business ideas with a focus on creativity, feasibility, and market potential.

JUDGES:

1. TechKnots Academy LLP – Mr. Nixon E., Founder & Director: Industry 5.0 solutions including robotics, IoT, and smart automation.

2. Big Bucks Innovation Pvt. Ltd. – Mr. Balaji Arumugam, Founder & CEO: Sustainable technologies including smart energy-harvesting systems.

CLUB ACTIVITY – MACHINE LEARNING CLUB

The Department of Computer Science and Engineering, in association with Machine Learning Club organized a Hands-on "Session on Machine Learning Algorithms" for the members of the Machine Learning Club that was held on 29th of August 2025. The session began with an introduction to popular development environments for machine learning, including Google Colab, Jupyter Notebook and Anaconda Navigator. Their key features, benefits, and use cases were explained to help participants choose suitable platforms for experimentation and model building. Next, participants were guided on working with datasets with a focus on how to download datasets from Kaggle and integrate them into their workflow. The intrusion detection dataset was used as the example and its structure and importance were discussed. The session then introduced scikit-learn (sklearn), a widely used Python library for machine learning, highlighting its modules for preprocessing, model training and evaluation.

GUEST LECTURE – AI AND INDUSTRIAL REVOLUTION

The Department of Computer Science and Engineering successfully conducted a Guest Lecture on " AI AND INDUSTRIAL REVOLUTION" for II-Year CSE students. The session took place on 1st of August 2025 in AV Hall 2 and was delivered by Joseph Manoj, Senior Data Scientist, Cognizant Technology Solution, Chennai and organized by Mrs. S. Vasanthi, Mrs. V. C. Ranganayaki & Mrs. E. Santhi Nisha Assistant Professor, Department of CSE. The integration of Artificial Intelligence into modern industries marks a significant phase in the ongoing industrial evolution. Just as past industrial revolutions transformed how we work and produce, AI is reshaping industries through automation, intelligent systems, and data-driven innovation. While it brings numerous benefits like increased efficiency and smarter operations, it also presents challenges such as job displacement and ethical concerns.
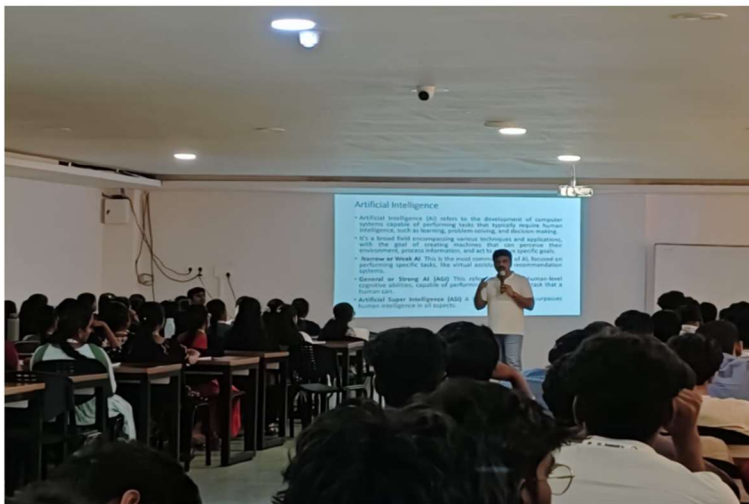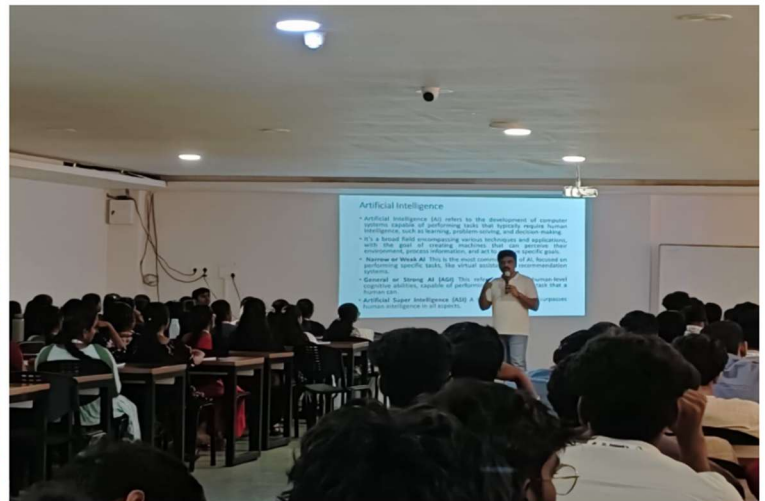
GUEST LECTURE – SERVER SETUP AND CONFIGURATIONS

The Department of Computer Science and Engineering successfully conducted a Guest Lecture on " SERVER SETUP AND CONFIGURATIONS" for II-Year CSE students. The session took place on 2nd of August 2025 in AV Hall 2 and was delivered by M. S. Subiksha, Software Engineer, Cognizant Technology Solution, Chennai and organized by Mrs. S. Vasanthi, Mrs. V. C. Ranganayaki & Mrs. E. Santhi Nisha Assistant Professor, Department of CSE. A properly configured server is the backbone of any reliable and secure IT environment. Through careful setup covering system installation, network configuration, security hardening, service deployment, and backup planning servers can operate efficiently and safely. With continuous monitoring and maintenance, the server remains stable, scalable, and ready to support business or application needs with minimal downtime and maximum performance.

INDUSTRIAL VISIT – Eaton Power Quality Private Limited

The Department of Computer Science and Engineering successfully organized the industrial visit for III Year CSE Students A and C Section to the Company of Eaton Power Quality Private Limited, Pondicherry on 1st of August 2025. During the visit, we observed the manufacturing process, electrical sector's products include circuit breakers, switchgear, busway, UPS systems, power distribution units, panel boards, load centers, motor controls, meters, sensors, relays, PLCs, HMIs, and inverters. The main markets for the Electrical Americas and Electrical Rest of World segments are industrial, institutional, government, utility, commercial, residential, information technology and original equipment manufacturer customers. Students got the knowledge of a deeper understanding of system-level design, power quality, protection coordination, and operation of full-scale installations.

NGO VISIT – TANSOWA-SAKTHI ATHARAVU ILLAM

The Department of Computer Science and Engineering successfully organized a social outreach program as part of our social responsibility initiative and curriculum enhancement, the II-A Section students of the Department of Computer Science and Engineering visited Tansowa-Sakthi atharavu illam, an NGO located in Maduravoyal, on 2nd August 2025. The visit aimed to sensitize students about the importance of community service, compassion, and social awareness, including a visit to an old age home, where they extended support to the underprivileged by distributing essential items and food.

NGO VISIT – MARIA'S HOME FOR AGED

The Department of Computer Science and Engineering successfully organized a social outreach program as part of our social responsibility initiative and curriculum enhancement, the II-B Section students of the Department of Computer Science and Engineering visited Maria's Home for Aged an NGO located in Butt Road, Seven Wells, Chennai, on 2nd August 2025. The visit aimed to sensitize students about the importance of community service, compassion, and social awareness, including a visit to an old age home, where they extended support to the underprivileged by distributing essential items and food.

NGO VISIT – LOVE FOUNDATION

The Department of Computer Science and Engineering successfully organized a social outreach program as part of our social responsibility initiative and curriculum enhancement, the II-C Section students of the Department of Computer Science and Engineering visited Love Foundation Home an NGO located in Minjur, Chennai, on 2nd August 2025. The visit aimed to sensitize students about the importance of community service, compassion, and social awareness, including a visit to an old age home and underprivileged children where they extended support to the underprivileged by distributing essential items and food.

NGO VISIT – KAAKKUM KARANGAL ORPHANAGE

The Department of Computer Science and Engineering successfully organized a social outreach program as part of our social responsibility initiative and curriculum enhancement, the II-D Section students of the Department of Computer Science and Engineering visited Kaakkum karangal orphanage an NGO located in Palavakkam, Chennai, on 2nd August 2025. The visit aimed to sensitize students about the importance of community service, compassion, and social awareness, including a visit to an old age home and underprivileged children where they extended support to the underprivileged by distributing essential items and food.

STUDENT WORKSHOP – II YEAR

The Department of Computer Science and Engineering successfully conducted a workshop in three different areas like ROBOTICS, DRONE, IoT and Smart Home Applications with Cloud Computing for II-Year CSE students. The session took place from 5th to 7th of August 2025 in the LAB1, LAB2 and Hackathon centre. The presenters, introduced the topic of Robotics, Drone and IOT. This Workshop helps students to develop a new skill set for their better future & Acquirement of Knowledge in the specific field also provide a chance to interact with experts from the specialized area. The Robotics Student Workshop offers an engaging and practical introduction to the world of robotics, blending theoretical foundations with hands-on experience. This Drone Workshop is a dynamic and immersive experience designed to spark curiosity and build technical confidence in students. The IoT Student Workshop is a gateway to the future of smart, connected technology.

FDP – AD4352 DATA ANALYTICS & VISUALIZATION

The Department of Computer Science and Engineering successfully conducted a 3 Days Faculty Development Program On "AD4352 - Data Analytics & Visualization". The session took place from 12th to 14th of August 2025 in the LAB4. Faculties from various Colleges are participated in the 3 days Faculty development Program. Around 60 faculties are registered for the FDP. 40 Faculties all over Tamil Nadu are participated in the program. Participants practiced customizing visuals to meet specific audience needs, focusing on clarity, consistency and storytelling. The interactive nature of the session kept participants engaged as they built their own visualization projects in real time. The session concluded with a recap of key techniques and encouragement to continue practicing advanced visualization methods for professional applications.

STARTUP NEST – ST.JOSEPH'S INCUBATION HUB FOUNDATION

The Department of Computer Science and Engineering successfully organized Inauguration of "STARTUP NEST – ST.JOSEPH'S INCUBATION HUB FOUNDATION" and the session took place from 08th August 2025 in the Technology AV Hall – 1.

KEY HIGHLIGHTS OF THE EVENT:

- MoU Signing Ceremony: Agreements signed to enhance industry–academia collaboration.
- Unveiling of the Incubation Centre by Dr. B. Babu Manoharan, Chairman, St. Joseph's Group of Institutions.
- Handover of Keys to Incubates to commence entrepreneurial activities.
- Launch of Student-Led Startup – REVIRON by CSE students.
- Launch & Unveiling of the UK–India Project in collaboration with industry leaders.

Student Employment Enhancement and Research Activities (SEERA) - IV CSE YEAR STUDENTS

As part of the SEERA Program, the Department of Computer Science and Engineering (CSE) organized an Events on 4th and 25th August for IV CSE Year Students.

The Events focused on areas:

☑ **Technical Assessment (Programs on Arrays)**

☑ **Technical Assessment (SQL Join)**

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Student Employment Enhancement and Research Activities (SEERA) - III CSE YEAR STUDENTS

As part of the SEERA Program, the Department of Computer Science and Engineering (CSE) organized an Event on Resume building for III – Year CSE students that was held on 2nd of August 2025.

Department Of Computer Science and Engineering
Third Year
BATCH : 2023 - 2027
SEERA
Topic - Resume Building

CSE - A

CSE - B

CSE - C

CSE - D

📅 06.08.2025   🕐 1:40 PM TO 3:00 PM

Student Employment Enhancement and Research Activities (SEERA) - II CSE YEAR STUDENTS

As part of the SEERA Program, the Department of Computer Science and Engineering (CSE) organized an Events on 1st, 8th, and 29th August for II CSE Year Students.

The Events focused on areas:

- ☑ **Group Discussion**
- ☑ **Aptitude Training**

FACULTY ACHIEVEMENTS – SCOPUS JOURNAL PUBLICATION

☑ Dr. J. Dafni Rose published a paper titled "Document summarisation using recurrent neural network", in the International Journal of Advanced Intelligence Paradigms (IJAIP), August 2025.

FACULTY ACHIEVEMENTS – FACULTY DEVELOPMENT PROGRAM

☑ Mrs. K. Sherin has attended 5 Days FDP on "Data Analytics using Power BI" organized by Atria Institute of Technology from 28/07/2025 to 01/08/2025.

☑ Mrs. S. Revathy has attended 5 Days FDP on "Data Analytics using Power BI" organized by Atria Institute of Technology from 28/07/2025 to 01/08/2025.

☑ Mr. A. Rajasekar has attended 5 Days FDP on "Robotics" organized by Saveetha Engineering College from 28/07/2025 to 01/08/2025.

☑ Mrs. Rajathi C has attended 5 Days FDP on "Use of AI Tools and Open Access Resources" organized by Ideal Institute of Academic & Research Advancement (IIRA) from 09/08/2025 to 13/08/2025.

☑ Dr. N. Mythili has attended 5 Days FDP on "Python Programming" organized by ICT Academy, Justice Basheer Ahmed Sayeed College for Women from 18/08/25 to 22/08/25.

☑ Mrs. M. Jeba Malar has attended 6 Days FDP on "Demystifying Transformers: The Brains Behind Generative AI" organized by IATAL Academy, Vellore Institute of Technology from 25/08/2025 to 30/08/2025.

STUDENT ACHIEVEMENTS

S.NO	STUDENT NAME	YEAR	EVENT DETAILS	POSITION
1	VIGNESH T, ARKINO ROBILIN R, CHRIS NOBLE A	IV	State Level CTF conducted by SRM Valliammai Engineering College, Chennai on 8th August 2025	1st Place with a cash prize of Rs.2,000
2	AKSHAYA S, HEMANTH KUMAR B, KEERTHIVASAN S, SAMUEL JAMES BILLY GRAHAM	III	NEURONIX – 2025 conducted by Vel Tech High Tech Engineering College, Chennai on 29th and 30th August 2025.	1st Place with a cash prize of Rs.1,500
3	AADHIJAH M, ABISHEK R S, AVINASH S	III	TECHCAUCUS'25 conducted by SIMATS Engineering, Chennai on 14th August 2025.	3rd Place
4	D.NITHEESH, LOKESH.M	II	CHRONOSMANDATE, a Technical Event titled "ZENISTA 2K25" on 8th August 2025 in Sri Sai Ram Engineering College	3rd Place with a cash prize of Rs.7,00
5	RANGALA NITHIN, M. NITHISH	II	TESSERACT, a Technical Event titled, "ZENISTA 2K25" on 8th August 2025 in Sri Sai Ram Engineering College.	1st Place with a cash prize of Rs.1,500
6	SETHUMATHAVAN S. P	II	CODEFEST, a Technical Event in association with GFG Campus body, on 8th August 2025 in St. Joseph's College of Engineering.	1st Place
7.	J MARIA ANTONY MARTIN, R NIVETHYA SREE	II	NOCTIVUS '25, a Technical Event titled, Beat Overflow (Code Vibing) on 2nd August 2025 in Velammal Engineering College.	1st Place with a cash prize of Rs.2,000