

PROPAGATION

ECE NEWSLETTER

ODD SEM 2025 – 26



VELAMMAL INSTITUTE OF TECHNOLOGY

Vision of the Institute

To be a leader in imparting quality technical education, research and enterprising skills in pursuit of professional excellence

Mission of the Institute

- To promote quality education & technical skills to meet the industry requirements
- To incorporate team work, leadership skills & lifelong learning
- To facilitate career development & higher education assistance
- To encourage innovative ideas for research & development and entrepreneurship for societal needs
- To inculcate ethical responsibility & human values

Vision of the Department

To achieve academic excellence in the field of Electronics and Communication Engineering and to produce meritorious engineers with human values by imparting high quality technical education

Mission of the Department

- To foster skilled Electronics and Communication Engineers to meet the current and future demands of industry and society with ethical values.
- To instil leadership quality, nurture entrepreneurial spirit and promote higher studies.
- To create a dynamic ecosystem that elevates innovation and creativity among faculty and students towards research and development.

PEO's

PEO-I: Futuristic Learning

Graduates will attain excellence in the field of Electronics and Communication Engineering through lifelong learning process by imbibing the new technologies.

PEO-II: Career Development

Graduates will become successful engineers or researchers or entrepreneurs with social responsibilities.

PEO-III: Professionalism

Graduates will excel as estimable engineers with ethics, effective communication and leadership skills

HoD Message



Dear Students, Faculty, and Well-Wishers,

As we turn another page in the academic calendar, I take this opportunity to reflect on our department's journey with immense pride. Our collective efforts have translated into academic excellence, research breakthroughs, and the holistic development of our students. Education today is not just about imparting knowledge but nurturing the skills and values necessary for lifelong learning. In our department, we strive to empower students to think critically, act ethically, and innovate confidently. Let us continue this momentum and work together toward new milestones. The path ahead is full of potential—and with continued dedication, there is no limit to what we can achieve.

Newsletter Editors Committee

S.No	Designation	Members	Year
1	Editor	Shaik Abdul Quadir	IV Year
2	Editorial committee	Rupak Varma D S	IV Year
3		Tamizh D	III Year
4		Muralidharan M	III Year
5		Damarla Sandhya	II Year
6		Saravanan K P	II Year
7	Staff Coordinator	Shanmathi B	Assistant Professor
8		Ragupathy K	Assistant Professor

Around the Department

Guest Lecture



The Department of ECE & IETE organized a Guest Lecture on “Future of VLSI and Chip Design – Challenges & Opportunities” on 08.09.2025 for III Year ECE students. The session was delivered by Dr. V. Magesh, Assistant Professor, Department of ECE, Velammal Engineering College. The lecture provided valuable insights into emerging trends in VLSI design, semiconductor technologies, industry challenges, and career opportunities. Students actively participated in the interactive session and gained a deeper understanding of the skills and knowledge required to pursue careers in the VLSI and chip design domain.

Symposium



The poster for the Technora 2k25 symposium is set against a dark blue background with glowing circuit patterns. At the top, it features the Velammal Institute of Technology logo and accreditation logos for NAAC, NBA, and the Institution's Innovation Council. The text reads 'DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING PRESENTS TECHNORA 2k25 26th SEPTEMBER 2025'. It lists technical events like Quiztronics, Paper Expo, and Project Nova, and non-technical events like Fast and Fun, E-Games, and Checkmate Challenge. A QR code is provided for registration, and contact information for staff and student coordinators is listed at the bottom.

VELAMMAL INSTITUTE OF TECHNOLOGY

DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING
PRESENTS

TECHNORA 2k25
26th
SEPTEMBER
2025

TECHNICAL EVENT

- QUIZTRONICS
- PAPER EXPO
- PROJECTNOVA
- POSTERQUEST
- WATT THE FAULT
- FIX THE GLITCH

NON-TECHNICAL EVENT

- FAST AND FUN
- E-GAMES
- CHECKMATE CHALLENGE
- CLUENECTCON
- ON SPOT EVENTS

Scan to Register

STAFF COORDINATOR
Dr.G.Shanmugaraj
Dr.G.Sethuraman Rao
Ms.B.Shanmathi

STUDENT COORDINATOR
Sanjayganesh A
Shyrin c

CONTEST WIN CASH PRIZE ₹

+91 93636 56077 / 7200462070 | [technora_2k25](#) | technora2k25@gmail.com



The Department of ECE organized **TECHNORA 2K25**, a technical and non-technical symposium, on **26 September 2025**. The event featured a variety of competitions, including Quiztronics, Paper Expo, Project Nova, Poster Quest, Watt the Fault, Fix the Glitch, Fast and Fun, E-Games, Checkmate Challenge, ClueNectCon, and on-the-spot events. Students enthusiastically participated, showcasing their technical knowledge, creativity, teamwork, and problem-solving skills.

Industrial Visit



The Department of ECE organized an Industrial Visit to **RGMTTC, BSNL, Meenambakkam** on **02 August 2025** for the **Second Year ECE (A & B Sections)** students. The visit provided valuable exposure to modern telecommunication systems, network infrastructure, and BSNL's operational facilities. Students gained practical insights into communication technologies, transmission systems, and industry practices through expert interactions and facility demonstrations. The visit helped bridge the gap between theoretical concepts and real-world applications, enhancing the students' technical knowledge and industry awareness.



The Department of ECE organized an Industrial Visit to **TVIS** on **08 August 2025** for the **Final Year ECE (A Section)** students. The visit provided practical exposure to industrial operations and modern technologies, enabling students to gain valuable insights into real-world engineering applications and industry practices.



The Department of ECE organized an Industrial Visit to **Re-Tech Lasers** on **02 August 2025** for **III Year ECE Students**. The visit provided students with exposure to advanced laser technologies and industrial applications, enhancing their understanding of modern manufacturing processes and real-world engineering practices.

Higher Studies Seminar

VELAMMAL
INSTITUTE OF TECHNOLOGY
Chennai - Kollanur Highway, Panchettil, Pinneri

Higher Studies Cell
in association with
Department of Electronics and Communication Engineering,
jointly organizes

Expert Talk on
**Beyond generic "Why Study Abroad":
Focus on stream-specific career pathways
enhanced by international degrees.**

Ms. B. Anitha
Regional Head
Genie Study Abroad, Chennai

Ms. Shobiya Sowrirajan
Germany Public University Expert,
Genie Study Abroad, Chennai

09th August 2025 **10.30 AM - 03.00 PM** **IV Year ECE Students** **Respective Classrooms**

Dr. D. Magesh Babu
Dr. G. Shanmugaraj
Coordinators
Higher Studies Cell

Dr. S. Soundararajan
Vice Principal

Dr. N. Balaji
Principal



The Department of ECE organized a **Higher Studies Seminar** on **09 August 2025** for **IV Year ECE (A & B Sections)** students. The seminar provided guidance on higher education opportunities, admission procedures, competitive examinations, and career prospects, helping students make informed decisions about their future academic pursuits.

Professional Society Activity



The Department of ECE organized a **Research Exposure Visit to the 5G Testbed Lab at IIT Madras** on **22 August 2025** for **IEEE and IETE Members**. The visit provided participants with valuable insights into cutting-edge 5G technologies, research activities, and real-world applications, enhancing their technical knowledge and research awareness in the field of wireless communication.


VELAMMAL
 INSTITUTE OF TECHNOLOGY





Departments of
 Electronics and Communication Engineering
 Artificial Intelligence and Data Science
 Information Technology

In association with

IEEE Student Branch (STB11491)

cordially invite you to an
Expert Talk on
"Exploring IEEE Scholarships and Funding Opportunities"

Resource Person:


Mr. Arun Mathiyalagan
 Vice-Chair, IEEE Young Professionals India Council

Expert Talk on

Coordinators:


Date: 20th August 2025

Time: 01:30 PM – 03:15 PM

Venue: First Floor Seminar Hall,

Mr. K. Ragupathi, AP/ECE
Ms. G. Sujitha, AP/AI&DS
Mr. B. Rajashekhar, AP/IT

The IEEE Student Branch, in association with the Departments of ECE, AI&DS, and IT, organized an **Expert Talk on "Exploring IEEE Scholarships and Funding Opportunities"** on **20 August 2025**. The session was delivered by **Mr. Arun Mathiyalagan, Vice-Chair, IEEE Young Professionals India Council**. The talk provided valuable insights into various IEEE scholarships, grants, and funding opportunities, encouraging students to actively engage in professional and research activities.

Club Activity



The **Yelcom Revolutionary Club** organized a **Technical Talk** on **28 July 2025** for **II Year ECE Students**. The session provided valuable technical insights and exposed students to emerging technologies and industry trends. The interactive talk enhanced their knowledge, encouraged innovative thinking, and motivated them to explore advancements in the field of engineering.

Placement Training Program

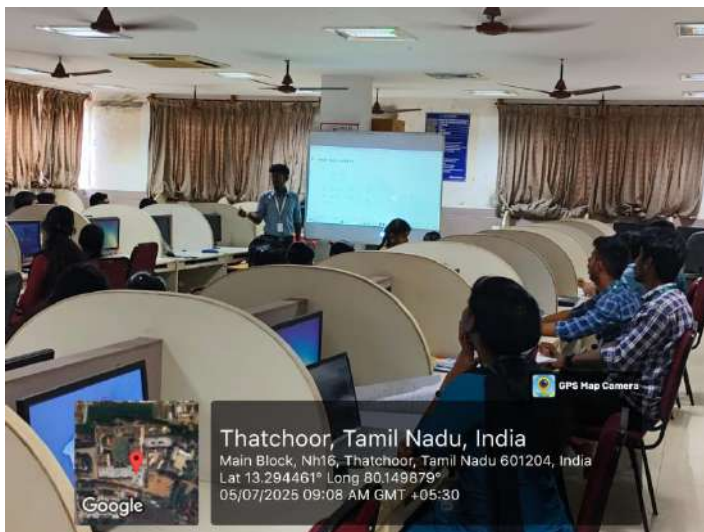


The Department of ECE conducted a Technical Training Program for Batch 2022-2026 (IV Year ECE A & B) from 04 July 2025 to 15 July 2025. The training focused on enhancing students' technical competencies, problem-solving abilities, and industry-relevant skills. The program provided hands-on learning experiences and helped students strengthen their preparedness for placements and professional careers.





. The Department of ECE conducted a **Technical Training Program** for **III Year ECE A & B Students (Batch 2023–2027)** from **07 July 2025 to 15 July 2025**. The program aimed to strengthen students' technical knowledge, analytical thinking, and problem-solving skills through focused training sessions. It helped enhance their industry readiness and provided a strong foundation for future academic and career pursuits.



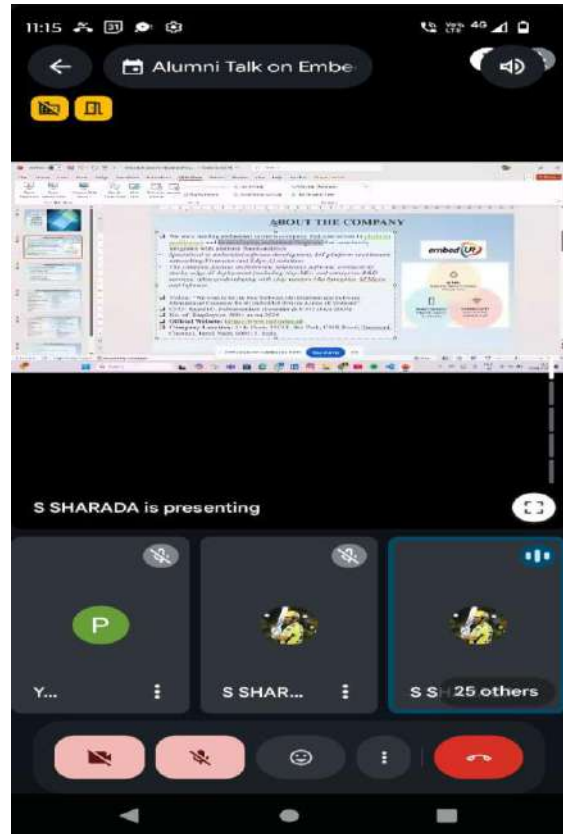
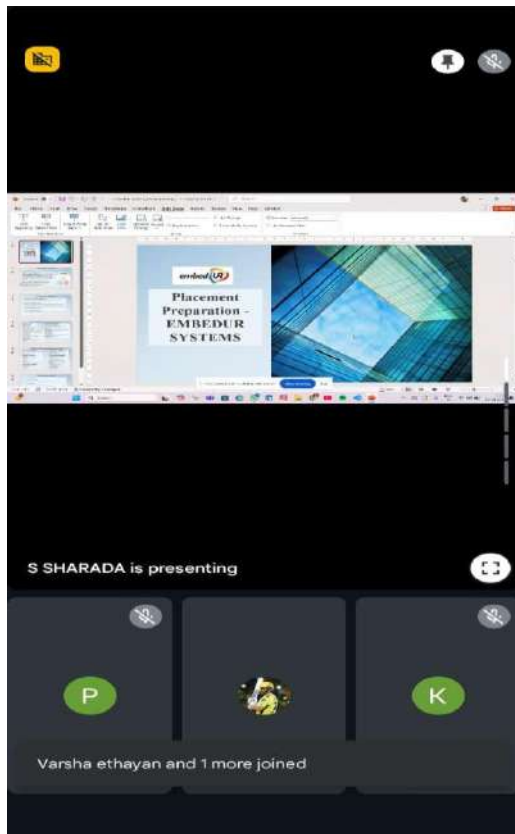


The Department of ECE organized an **Orientation Program for the Batch 2024–2028 (II ECE A & B)** on **16 July 2025**. The session was delivered by the **Head of the Department, ECE**, who provided an overview of the curriculum, academic regulations, department activities, professional societies, and career opportunities. The program helped students understand the academic framework and motivated them to actively participate in their learning journey.

Alumni Interaction



The Department of ECE organized a Placement Motivation Talk on 12 August 2025 for IV Year ECE students. The session was delivered by distinguished alumni Ms. Arundathi, Ms. Charunya, and Ms. Yuvashree, who shared their placement experiences, preparation strategies, and career insights. The interactive session motivated students to enhance their skills and confidently prepare for placement opportunities.



The Department of ECE organized an **Alumni Talk on EmbedUR Drive Preparation** on **03 August 2025** for **Final Year ECE students**. The session was delivered by **Ms. Saradha (Batch 2021–2025)**, who shared valuable insights on placement preparation, interview strategies, and technical skills required for the EmbedUR recruitment drive. The interactive session motivated students and helped them prepare effectively for upcoming placement opportunities.



The Department of ECE organized an Alumni Talk on “LTI Mindtree Recruitment Process and Preparation” on 18 September 2025 for Final Year ECE students. The session was delivered by Ms. K. Sumithra (Batch 2021–2025), who shared her experiences and provided valuable guidance on the recruitment process, aptitude preparation, technical interviews, and placement strategies. The talk helped students gain confidence and prepare effectively for upcoming placement opportunities.



Value Added Program



The Department of ECE organized a LabVIEW Course on 30 July 2025 for III Year ECE students. The session was conducted by Ms. T. Kamalam, AP/ECE and Dr. G. Sethuram Rao, ASP/ECE, who introduced students to the fundamentals and applications of LabVIEW in data acquisition, instrument control, and system design. The course provided valuable hands-on experience and enhanced students' practical skills in graphical programming and virtual instrumentation.



The Department of ECE organized a Value Added Program on Project Based Learning in collaboration with Global Techno Solutions on 01 August 2025. The program provided students with hands-on learning experiences through real-time projects, enhancing their technical skills, problem-solving abilities, and practical understanding of engineering concepts. The session encouraged innovation and application-oriented learning among students.

Faculty Corner

FDP Attended



Our faculty members Mr. Ragupathi and Mr. Kamesh attended a **One-Day Faculty Development Program (FDP)** at **IIT Madras** on **09 August 2025**. The program provided exposure to the latest technological advancements, innovative teaching methodologies, and emerging research trends. The FDP enhanced their professional knowledge and contributed to academic and research excellence.

Faculty Participation – Outside the Institution



Our faculty Mr. K. Ragupathi, AP/ECE, attended the Educators Conclave – IEEE Education Week organized by ICT Academy on 12 April 2025 at Le Meridien, Guindy. The conclave brought together academicians and industry experts to discuss emerging trends in education, technology integration, and innovative teaching practices. The event provided valuable insights into enhancing the quality of engineering education and student engagement.

FRANCIS XAVIER[®] ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
Vannarpettai, Tirunelveli - 627 003.

nair RANKINGS 2024
51-100 BAND

INDIA OF PLATINUM
100 YEARS

GUEST LECTURE ON
Functional Use Cases of Electronic Amplifiers in Modern Systems

Date: 01/05/2025
Time: 4:00 PM to 5:00 PM

ORGANIZED BY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

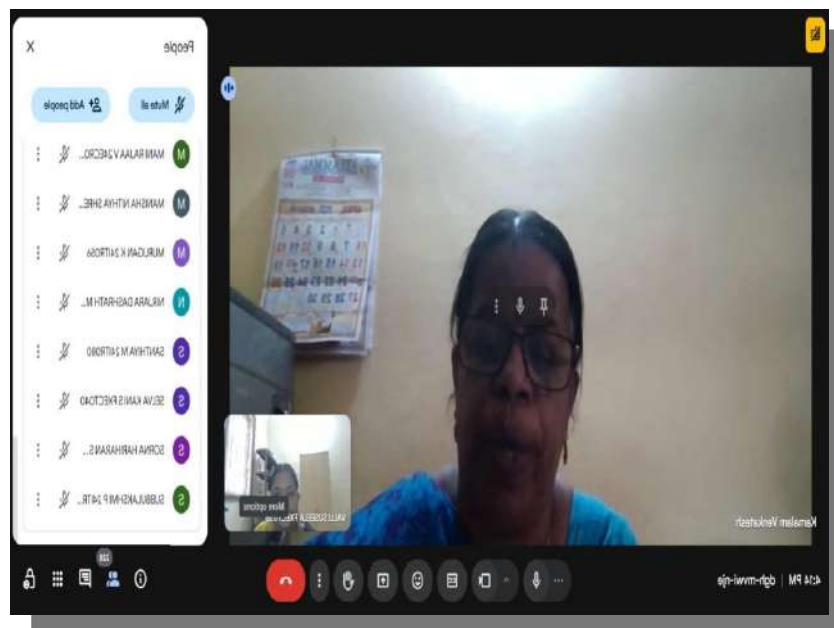
Resources person:
Mrs. T.Kamalam, Assistant Professor,
Department of ECE, Velammal Institute of
Technology, Chennai

Video meet link:
<https://meet.google.com/dgh-mvwi-nje>

Co-ordinators
Mrs.R.Valli Suseela, AD/ECE
Dr.Pradeep T.Dejani, AD/ECE
Mrs.S.Selvakan, AD/ECE

Convener
Mrs.J.Friska, HOD/ECE

Principal
Dr.V.Velmurugan



Our faculty Ms. T. Kamalam, AP/ECE, **delivered** a Guest Lecture on “Functional Use Cases of Electronic Amplifiers in Modern Systems” **on** 01 May 2025 **through** online mode. **The lecture was organized by** Francis Xavier Engineering College, Tirunelveli. **The session highlighted the applications of electronic amplifiers in modern communication, control, and embedded systems, providing participants with valuable insights into contemporary electronic technologies.**



Mr. K. Ragupathi, AP/ECE, served as a **Jury Member** for **MAKEATHON 6.0**, organized by **Sri Venkateshwara College of Engineering** on **29-30 April 2025**. The event provided a platform for students to showcase their innovative projects and technical skills. As a jury member, he evaluated the participants' ideas, project execution, and innovation, contributing to the promotion of creativity and engineering excellence among students.





Our faculty member Ms. T. Kamalam, Dr. G. Shanmugaraj, and Dr. G. Sethuram Rao **served as Judges in the** Future Innovators **category at the** World Robot Olympiad (WRO) India 2025 – Regional Championship **held on** 24 July 2025 **at** The Velammal International School (TVIS), Mugalivakkam. **The event showcased innovative robotics projects developed by young participants. As judges, they evaluated the projects based on creativity, technical excellence, and problem-solving capabilities, contributing to the promotion of innovation and STEM education**





Region 10	IEEEDay25049	Alok Jiten Rao	Bhubaneswar Section
Region 10	IEEEDay25126	Charan M	Madras Section
Region 10	IEEEDay25192	Dr. P. Kalpana Devi	Madras Section
Region 10	IEEEDay25502	Priya Darshini M	Madras Section
Region 10	IEEEDay25514	Ragupathi K	Madras Section
Region 10	IEEEDay25044	Albert Alexander S	Madras Section
Region 10	IEEEDay25264	Harsh Raj	Madras Section
Region 10	IEEEDay25699	Zaynah Waheed	Bangalore Section
Region 10	IEEEDay25054	Amar Singh	Bangalore Section
Region 10	IEEEDay25240	Gladys Manuel	Kerala Section

Our faculty Mr. K. Ragupathi, AP/ECE, was selected as an IEEE Day 2025 Ambassador at the International Level for the global celebration held from 05–18 October 2025, with IEEE Day observed on 07 October 2025. As an ambassador, he actively contributed to promoting IEEE activities, professional networking, and technological innovation among students and professionals worldwide, representing the institution on a global platform.

Student Corner



Our Student Piyush Kumar Singh, a II Year ECE NCC Cadet, **successfully completed the Advance Leadership Camp (ALC) held at Alappuzha, Kerala. The camp provided intensive training in leadership, discipline, teamwork, decision-making, and physical endurance, equipping cadets with essential qualities for future leadership roles and careers in the Armed Forces. Adding to this achievement, he proudly represented Tamil Nadu and won a medal in the Tug of War event conducted during the camp, bringing laurels to the institution.**



Our Student Jagadish, Jagadeesh Saravanan, Balaji, and Saran Raj **of** III Year ECE (A Section) **secured** Second Place **in** the Project Expo **at** the Tech Summit **held** at New Horizon College of Engineering, Bengaluru. **The team was awarded a** cash prize of ₹5,000 **for their outstanding project presentation and innovative approach. The project was successfully guided by** Dr. R. Jothi Chitra **and** Mr. K. Ragupathi. **This achievement reflects the students' technical competence, creativity, and dedication, bringing pride to the department and institution.**





Our student Kanmani S, Narmatha S, Susmitha L, and Thirumaran S **secured the 5th Position in** Niral Thiruvizha 2.0 – Project Expo **held on** 01 July 2025, **in the presence of the** Hon'ble Chief Minister of Tamil Nadu, Mr. M. K. Stalin. **Their project titled** “Smart Toilet System using Spring Mechanism, UV Disinfection and Real-Time Tracking” **was recognized for its innovation and societal impact. The team was guided by** Dr. R. Jothi Chitra, Professor/ECE. **This achievement reflects the students' creativity, technical expertise, and commitment to developing practical solutions for real-world challenges.**



Our student Geethika and Sagufta Begum **participated in** EUREKA 2025, a Pitching Event **held at** Rajalakshmi Institute of Technology (RIT) **on** 19 August 2025. **The students showcased their innovative ideas and entrepreneurial skills through an effective project pitch, gaining valuable exposure to startup ecosystems, innovation, and business presentation techniques.**



The Department of ECE organized the Innovate Project Competition on 24 August 2025 at Velammal Institute of Technology. The event provided a platform for students to showcase their innovative projects, technical skills, and creative problem-solving abilities. Participants presented their ideas and prototypes, fostering a spirit of innovation, teamwork, and research-oriented learning among students.





Our student **G. Dharshan, Sathik K, and Mohammed Hanifa M** **secured the 17th Position in** Niral Thiruvizha 2.0 – Project Expo **held on 01 July 2025. Competing against** 1000 projects from 312 Engineering Colleges across Tamil Nadu, **the team showcased their project titled** “Mobile Health App for Chronic Asthma Monitoring and Telemedicine using Smart Inhaler.” **The project was guided by** Dr. R. Jothi Chitra, Professor/ECE. **This achievement highlights the team's innovation, technical proficiency, and commitment to developing healthcare solutions that address real-world challenges.**



Our Students Venkatraman, Arun, and Anbumani **of IV Year ECE, under the mentorship of** Dr. S. Partheeban, **participated in the** Shine Healthcare Hackathon 2025. **The team was selected for the competition in** June 2025 **and successfully presented their innovative healthcare solution in the** Pre-Final Round **held on** 26 August 2025 **at** SRM Medical College, Trichy. **the students' technical**



Our student Ms. Shivani R. **and** Ms. Sangeetha Priyadharshini **of** IV Year ECE **secured the** Third Prize **in** EUREKA 2025, **organized by** Rajalakshmi Institute of Technology **on** 19 August 2025. **Their achievement reflects their innovation, presentation skills, and entrepreneurial mindset. The event provided an excellent platform for students to showcase their ideas and compete with talented participants from various institutions.**



Our student Princy, Praicy, and Akshaya G. U **of** II Year ECE **secured the** Third Prize **in the** Classical Group Dance **competition held on** 22 August 2025 **at** TNJFU – Dr. M.G.R. Fisheries College and Research Institute, Ponneri. **Their outstanding performance, teamwork, and artistic excellence earned them this achievement, bringing laurels to the department and institution.**



Our ECE team secured Second Place in the Anna University Zone 1 Men's Chess Championship held on 01 September 2024 at Sriram Engineering College. Nikhilesh E (III Year ECE) and Akash (II Year ECE) showcased exceptional strategic thinking, concentration, and teamwork throughout the tournament. Their remarkable performance brought laurels to the department and highlighted the students' excellence in both academics and sports.