IEEE STUDENT BRANCH CHAPTER

THIAGARAJAR COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ANNUAL REPORT

2024-2025

IEEE STUDENTS CHAPTER – ECE

THIAGARAJAR COLLEGE OF ENGINEERING

IEEE STUDENT BRANCH CHAPTER ACTIVITIES REPORT 2024-2025

IEEE STUDENT'S COUNSELOR: Dr.G.Ananthi
IEEE STUDENT CHAIR: Vishnupriya S

The Institute of Electrical and Electronics Engineers (IEEE) is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. Established in 1963, IEEE brings together engineers, researchers, and innovators from various disciplines to foster collaboration and innovation. The objective of our department's IEEE student branch is to inspire students to actively engage in technical activities, workshops, and conferences conducted under its banner. This initiative empowers students to apply their knowledge, develop new ideas, and contribute meaningfully to technological and societal development.

1. CONNECTRONICS

Connectronics, held on 20th September 2024, was a high-energy and intellectually stimulating event designed to push the boundaries of participants' technical intuition and problem-solving flair. Centred around the world of electronics, this fun-filled competition challenged students to decode technical terms using only visual clues and to tackle a series of brain-teasing challenges. With each round, participants were driven to think critically, collaborate efficiently, and apply classroom concepts in real-time scenarios. The event was met with great enthusiasm, bringing out both creativity and technical sharpness in all 30 participating students, making it a memorable and enriching experience.

WINNERS

Place	Name
1	Joshua G Santhosh Kumar A Karthick Raja M
2	Mathan Kumar Abdur Rahman Ananth N
3	Yogeshwaran R Kathirvel S Mohamed Nabeel Fayaz
Special Mention	Sankar Ganesh B Vishwa M Jana Muralidharan

2. INNOVATEX'24

InnovateX'24 held on 9th October, 2024 was a collaborative event between the IEEE and IEI student societies, organized to mark the celebration of IEEE Day. The event comprised two rounds, (ROUND 1: Can You Hear!? (Technical Round) and ROUND 2: Logic Flip (Non-Technical Round)) designed to test both the technical knowledge and lateral thinking skills of the participants. A total of 12 teams, each consisting of three members, registered for the event. The technical prowess and the fun-spirited nature of the participants ensured a lively and competitive environment.

WINNERS

Place	Name
1	Priya varshini J M
2	Hrithik Bala U Pandiselvi R
3	Livana Shuruthi V
Special Mention	Bargavi G Shivani B Saarubala V

3. IEEE Xtreme 18.0

IEEE Xtreme is a **24-hour global programming competition** organized annually by the **IEEE** for student members, was held on **26th October, 2024**. It challenges teams of university students, supported by an IEEE member as a proctor, to solve a series of **real-world coding problems** in a limited time frame. Conducted entirely online, the event tests participants' **programming proficiency**, **algorithmic thinking**, and **endurance** as they code through the night. The competition fosters collaboration, innovation, and global connectivity, with students from around the world competing simultaneously. IEEE Xtreme provides a valuable platform for students to showcase their skills, enhance their coding capabilities, and gain international recognition.

Team	Team Lead	Reg No	Member 1	Reg No	Member 2	Reg No	Year	Global Rank	University Rank
1	SAHAYA JESEELIAH.P	23D125	NITHYASREE.K. S	23D093	YOGESHWARAN.R	23D182	2	1448	5
2	VISHNU PRASHANTH	23D178	KISORE MUTHIAH AN	23D063	VEL GNANA SATISH M	23D169	2	1625	6
3	KAMESHWAR KA	22D041	SANJANAA I	22D089	--	--	3	2045	11
4	BALABHARATHI S	23D011	VARSHAMAI T H	23D166	--	--	2	1868	12
5	KATHIRVEL S	23D058	MOHAMED N	23D082	--	--	2	2100	13
6	SOUNDHARYA A A	22D103	SANTHOSH KUMAR A	22D090	SHIVANI R	22E 092	3	2300	15
7	PANDISELVI R	23D095	ANUSRI S	23D007	PAVITHRA C	23D098	2	2989	18

8	SHAILESH I	23D140	SRI PADMARAJ A	23D148	JAGDISH NATARAJAN C	23D043	2	3125	19
9	KALEESWARI B	23D050	RASHMIKA AP	23D118	ARUNA G	23D009	2	3204	21
10	NIKHITHA K N	22D066	GNANAPRIYA C	22D030	RAHUL M	22D079	3	3403	23
11	KANAGAVARSHINI B	23D052	POORNA PUSHKALA SS	23D100	--	--	2	3807	24
12	G BHAGYASRI	23D018	S MADHUMITHA	23D072	MEKALA T P	23D081	2	4594	26
13	KARTHIKA DEVI K	22D044	SUJITHA M	22D107	PAVITHRA S	22D072	3	4590	28
14	SHOBANA SHREE S	22D100	GAYATHRI S	22D029	--	--	3	4593	30
15	JOSHUA G	22D037	ABDUR RAHMAN	22D003	KARTHICK RAJA M	22D042	3	4809	31
16	ANSLIN MALAR E	23D006	RENUKA K	23D119	--	--	2	5412	35

4. GUEST LECTURE ON "IEEE: YOUR PASSPORT TO GLOBAL CONNECTIONS, CAREER GROWTH, AND PROFESSIONAL EXCELLENCE":

Guest Speaker: Dr.D.Nirmal , a Full Professor, Associate Dean of Engineering and Technology, and Head of the Department of Electronics and Communication Engineering at the Karunya Institute of Technology and Sciences. The event was meticulously planned and executed, ensuring that every participant and attendee had a memorable experience. Such initiatives play a crucial role in fostering camaraderie, boosting creativity, and contributing to the holistic development of students, emphasizing the significance of extracurricular activities in an academic environment. The lecture, aimed at enlightening students about the multifaceted benefits of IEEE membership, was held on 22nd November, 2024 and received an enthusiastic response with 30 student participants and faculty alike.

The session highlighted how IEEE, as one of the world's largest technical organizations, offers much more than just student activities. It serves as a platform for connecting with industry leaders, researchers, and innovators across the globe, fostering collaborations that can shape academic and professional journeys.

5. CRACK & CONNECT

The Crack & Connect event, held on 13th February, 2025 at A Halls, challenged participants with a unique blend of mathematical precision and technical intuition. Designed to enhance problem-solving and analytical skills, the competition required students to first solve a math expression to earn the opportunity to tackle a picture connection puzzle—deciphering the common technical term represented by a set of images. This engaging format encouraged quick thinking, logical reasoning, and domain- specific knowledge, making it a valuable experience for aspiring engineers. A total of 15 students participated in this intellectually stimulating contest.The event witnessed energetic debates and thought-provoking arguments, making it an engaging and insightful experience for both participants and the audience. It successfully enhanced the communication skills and analytical thinking of the participants.

WINNERS

Place	Name
1	Kayalvizhi
2	Pandiselvi R Varshamai T H
3	Karthikeyan V Priyavarshini J M

6. IEEE MAS HUB SUMMIT 2025

The IEEE MAS SIGHT Hub Summit 2025, held on February 8, 2025, at KS Auditorium, TCE, was a remarkable event fostering innovation and design thinking in humanitarian technology. Organized in collaboration with IEEE Student Branch TCE and IIC, the summit aimed to promote Tech4Good initiatives by leveraging technology to address global challenges in healthcare, renewable energy, education, and disaster management.

The summit featured insightful speaker sessions, hands-on workshops, competitions, and a project expo, with an exciting ₹10,000 prize pool. A total of 225 students in which 195 external participants actively engaged in the event, gaining valuable knowledge and networking opportunities with industry leaders, entrepreneurs, and IEEE professionals

- **IEEE HTB Project Proposal Workshop**

  Speaker: Mr. Niranjan Kumar S

A workshop guiding participants in crafting compelling IEEE HTB project proposals. Attendees learned how to structure impactful proposals and secure funding for humanitarian technology projects. Practical insights and real-world case studies enhanced their understanding.

- **Speaker Session: SDGs for Communities**

  Speaker: Mr. Aravindhan Anbazhagan

An insightful talk on integrating technology with Sustainable Development Goals (SDGs) to drive community impact. The session covered real-world applications and strategies for solving societal challenges. Participants gained a deeper understanding of global sustainability efforts.

- **Pitch Perfect**

A fast-paced pitching competition where participants showcased their innovative ideas. Industry experts provided live feedback to refine their pitching skills and presentation techniques. The event encouraged creativity, problem-solving, and entrepreneurial thinking.

- **Project Expo**

An exhibition of cutting-edge student projects in healthcare, energy, education, and sustainability. Participants demonstrated their innovations to experts, gaining feedback and networking opportunities. The expo provided a platform for future collaborations and potential funding.

- **Startup Idea Bid**

A high-energy startup simulation where teams developed and pitched business ideas. Participants engaged in a live bidding process, experiencing real-world investment scenarios. The event fostered entrepreneurial mindset, teamwork, and business strategy development.

- **Panel Discussion: Power of Volunteerism**

An inspiring discussion on the transformative role of volunteerism in shaping communities and empowering individuals. The session highlighted real-life stories, strategies, and the collective impact of volunteering across various fields. Participants gained valuable insights into how purposeful action and community engagement can drive meaningful change and personal growth.

- **Surprise Event**

A fun and engaging activity designed to challenge participants' problem-solving and teamwork skills. The event introduced unexpected technical or business challenges to test creativity under pressure. It provided a refreshing break while reinforcing innovation and collaboration.

- **ORGANIZING COMMITTEE:**

- **WINNERS:**

7. BLIND BANDWIDTH

The "Blind Bandwidth" event, organized by the IEEE Student Chapter and IEI Student Chapter, took place on 12th March, 2025 at the A Halls. This unique semi-technical event challenged participants to identify various electronic components blindfolded, relying solely on their sense of touch and instincts. The competition tested their knowledge, problem-solving skills, and ability to think.

WINNERS

Place	Name
1	Dharshini P
2	Mekala T P Poorna Pushkala S S
3	Kanagavarshini B

8. LATCH 'N' LAUNCH

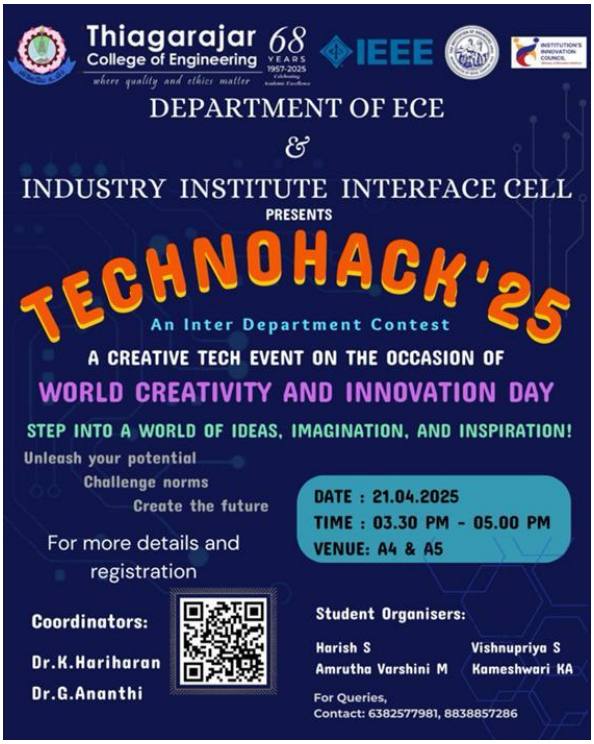
The "Latch 'n' Launch" event, organized by the IEEE Student Chapter, was held on 15th April, 2025. This technical event challenged participants with timed digital electronics problems, testing their accuracy and problem-solving skills under pressure. Shortlisted teams then engaged in a clue-based activity that evaluated their technical vocabulary and communication precision. The event aimed to enhance quick thinking, teamwork, and strategic clue-giving. It provided a unique platform to apply theoretical knowledge in an interactive and competitive environment. A total of 15 students participated in this contest.

WINNERS

Place	Name
1	Sharon Fiora J Lakshana R
2	Srinivaas K Karthikeyan V
3	**Team 1** Priyavarshini J M Dharshan **Team 2** Nithyasree Yogeshwaran R

9. TECHNOHACK '25

The "Technohack" event, organized by the IEEE Student Chapter and IEI Student Chapter, took place on 21st April, 2025 at the A Halls. This dynamic interdepartmental event, held to mark World Creativity and Innovation Day, featured a paper presentation, where students presented their innovative ideas to a panel of juries. The presentation was followed by a fun and engaging innovative challenge, designed to further spark creativity and collaboration among participants. The event aimed to encourage original thinking, technical excellence, and teamwork, providing an enriching and inspiring experience for all involved.



WINNERS

Place	Name
1	Shanmuga Rajan S Goutham Raj R Kalaiarasi V
2	Mahathi M Anushka M
3	Gopika R Vaishnavi V