

Madras Section Report

PART A - SECTION SUMMARY

A.1 Executive Summary

- Section Executive Committee Member List

Sl.No.	Name	Position
1	Dr. P. Sakthivel	Chairman
2	Dr. K. Porkumaran	Immediate Past Chair
3	Dr. T. Shanmuganantham	Vice Chairman (academic)
4	Dr. M. Ramalatha	Vice Chairman (Industry)
5	Dr. S. Radha	Secretary
6	Dr. S. Brindha	Treasurer
7	Dr. J. Arputha Vijaya Selvi	Member
8	Dr. K. A. Mohammed Junaid	Member
9	Dr. M. Venkateshkumar	Member
10	Mr. M. Arun	Member
11	Dr. S. Arumugaperumal	Member
12	Dr. T. Sreesharmila	Member
13	Mr. R. Sreekanth	Member

- **Section Highlights**

- **GOLDEN JUBILEE CELEBRATION**

- IEEE Madras Section organized its Golden Jubilee Celebration, commemorating 50 years of excellence and service, on 15 November 2025 at Hotel Park Elanza, No. 125, Valluvar Kottam High Road, Ponnangipuram, Tirumurthy Nagar, Nungambakkam, Chennai. The celebration marked a significant milestone in the journey of IEEE Madras Section, reflecting five decades of contributions toward technological advancement, professional development, student empowerment, and societal impact across Tamil Nadu and Puducherry. The event was conducted under the banner of IEEE – Advancing Technology for Humanity, with the presence and support of the IEEE Madras Section Executive Committee, volunteers, student members, and invited dignitaries.

The inaugural session began with a Bharatanatyam performance, symbolizing India's rich cultural heritage and formally inaugurating the Golden Jubilee Celebration. This was followed by a Multimedia Presentation, which showcased the 50-year journey of IEEE Madras Section, highlighting historical milestones, growth of student branches, expansion of technical and professional activities, contributions of past leaders and volunteers and impact on academia, industry and society. The session continued with Tamil Thai Vazhthu, fostering cultural pride, followed by the Lighting of the Kuthuvilakku, symbolizing knowledge, wisdom, and enlightenment. Dr. S. Koteeswaran, Chair – Student Activities, IEEE Madras Section, presented the IEEE Code of Ethics, emphasizing ethical conduct, professional responsibility, and integrity in engineering and technological practices. The Welcome Address was delivered by Dr. P. Sakthivel, Chair, IEEE Madras Section, who reflected on the section's legacy, acknowledged the contributions of volunteers over five decades, and highlighted IEEE's role in shaping future engineers and technologists. An overview titled "About IEEE" was presented by Dr. T. Shanmuganatham, Vice-Chair (Academics), IEEE Madras Section, explaining IEEE's global presence, objectives, organizational structure, and its influence on technological innovation. Dr. S. Ramalatha Marimuthu, Vice-Chair (Industry), IEEE Madras Section, elaborated on the IEEE Madras Section Golden Jubilee Celebrations, outlining the year-long commemorative activities planned across the region. The Chief Guest, Prof. V. Kamakoti, Director, IIT Madras, was introduced by Dr. S. Brindha, Treasurer, IEEE Madras Section. The Chief Guest Address by Prof. V. Kamakoti emphasized the

evolution of engineering education, the importance of professional bodies like IEEE, interdisciplinary research and innovation and innovation and ethical and socially responsible technology development.

Honoring and Award Ceremony

As part of the inaugural session, honors and awards were presented to recognize excellence and contributions within IEEE Madras Section. The ceremony included, felicitation of the Chief Guest, honoring of Past Chairs of IEEE Madras Section, recognition of Global-Level IEEE Student Branches, appreciation of IEEE Xtreme Programming Competition – Chennai Hub Congress and Recognition of IEEE Student Skill Development Program – Chennai Hub Congress. The awards acknowledged the collective efforts of institutions in strengthening IEEE’s mission at the grassroots level. The inaugural session concluded with a Vote of Thanks delivered by Dr. S. Ramalatha Marimuthu, Vice-Chair (Industry), IEEE Madras Section, followed by a Group Photograph. A Tea Break was held from 11:15 AM to 11:30 AM.

Technical and Networking Sessions

The post-inaugural segment began with “Celebrating the Legacy: Reflections, Insights, and Networking,” where Past Chairs of IEEE Madras Section shared their experiences, leadership journeys, and insights gained over decades of IEEE service. This was followed by a Technical Talk titled “Towards a Super Smart Future: Integrating Industrial Revolution 5.0 in Society 5.0” by Prof. Dr. G. Kulanthaivel, Professor & Head, Department of ECE, NITTTR Chennai. The session focused on emerging technologies, human-centric innovation, sustainability, and the future roadmap of Industry 5.0. A Networking Session titled “Bridging Bonds Across 50 Years of IEEE Madras Section” was conducted by Mr. Prasanth Mohan, Chair, IEEE Young Professionals, IEEE Madras Section, Mr. M. Abdul Halik, Chair, IEEE Biomedical Council, IEEE Madras Section. The session promoted interaction among senior professionals, young professionals, and student members. This was followed by Pattimandram, an intellectually engaging discussion session that encouraged audience interaction and diverse viewpoints. A cultural segment titled “Rhythms of Tradition” showcased vibrant performances, celebrating the blend of tradition, creativity, and expression.

The valedictory session included honouring of speakers and performers involved in Bharatanatyam, multimedia presentation, technical talk, networking session, pattimandram and cultural performances. The session concluded with a Group Photograph and the National Anthem, marking the formal closure of the Golden Jubilee Celebration. The IEEE Madras Section Golden Jubilee Celebration successfully commemorated 50 years of dedication, innovation, and service. The event seamlessly integrated technical excellence, leadership recognition, institutional awards, networking, and cultural heritage, reinforcing IEEE’s mission of Advancing Technology for Humanity. The recognition of colleges and contributors further strengthened the spirit of collaboration and excellence within the IEEE community.

• PANEL OF CONFERENCE ORGANIZERS (POCO)

IEEE Madras Section successfully organized the Panel of Conference Organizers (POCO) 2025 on 14 December 2025, at Courtyard by Marriott, Alagar Kovil Road, Madurai – 625002. The event was conducted to strengthen the knowledge, quality, and compliance aspects of IEEE conference organization, and to equip conference organizers with comprehensive guidance on IEEE conference application processes, ethics, paper review standards, and proceedings preparation. The program witnessed the active participation of IEEE Madras Section Office Bearers, Executive Committee Members, volunteers, and conference organizers, fostering a collaborative learning and networking environment.

The inaugural session began with Tamil Thai Vazhthu, invoking cultural pride and formally marking the commencement of the program. This was followed by the Lighting of the Kuthuvilakku, symbolizing knowledge, wisdom, and enlightenment. The Welcome Address was delivered by Dr. P. Sakthivel, Chair, IEEE Madras Section, where he highlighted the importance of capacity building for IEEE conference organizers and the role of POCO in maintaining IEEE’s global standards. An overview titled “About the IEEE” was presented by Dr. M. Ramalatha, Vice-Chair (Industry), IEEE Madras Section, from explaining IEEE’s global mission, structure, and its impact on technological advancement. The IEEE Code of Ethics was presented by Lt. R. Sreekanth, Chair, Sustainable Development, IEEE Madras Section, emphasizing ethical responsibility and integrity in organizing and conducting IEEE conferences. A presentation on “About the IEEE Madras Section – Highlights of 50 Years” was delivered by Dr. S. Brindha, Treasurer, IEEE Madras Section, reflecting on the section’s five decades of excellence, growth, and contribution to academia, industry, and society. The session continued with “About the Hub POCO” by Dr. S. Koteeswaran, Chair – Student Activities Committee (SAC), IEEE Madras Section, outlining the objectives and structure of the POCO initiative. The Chief Guest Address was delivered by Prof. Dr. M. Ramakrishnan, where he

emphasized the importance of quality-driven academic conferences, ethical conference practices, capacity building for organizers and the role of IEEE in enhancing global research standards. The Chief Guest was formally honoured by Dr. P. Sakthivel, Chair, IEEE Madras Section.



Technical Sessions – Conference Organization and Compliance

The post-inaugural technical sessions commenced with a session on “IEEE MAS Conference Application Process & Portal Launch”, delivered by Dr. S. Brindha, Treasurer, IEEE Madras Section & Dr. Vijayakumar, Member, IEEE Madras Section SAC. The session provided insights into the newly launched portal and the end-to-end application workflow. This was followed by “IEEE Conference Online Application Process” by Dr. S. Brindha, Treasurer, IEEE Madras Section, where participants gained clarity on documentation, timelines, and approval mechanisms. A session on “IEEE Conference Committees: Roles and Responsibilities” was delivered by Dr. D. Devaraj, Former Secretary, IEEE Madras Section, highlighting the responsibilities of organizing committees and best practices for effective conference management. The technical segment continued with “IEEE Conference Paper Preparation & Review Guidelines” by Dr. S. Brindha, Treasurer, IEEE Madras Section, focusing on paper quality, peer review standards, and compliance requirements. A session on “Quality Guidelines & Compliance for IEEE Conferences” was delivered by Dr. M. Venkateshkumar, Chair, Publicity & Public Relations, IEEE Madras Section, emphasizing adherence to IEEE policies and quality benchmarks. **Advanced Conference Management Sessions**-The afternoon sessions resumed with “Preparing IEEE Conference Proceedings (Camera-Ready & Templates)” by Dr. V. Nagarajan, Vice-Chair, Conferences, IEEE Madras Section, offering practical guidance on proceedings preparation. This was followed by “Ethics by Design: Building Winning IEEE Technical Conferences” delivered by Dr. M. Ramalatha, Vice-Chair (Industry), IEEE Madras Section, reinforcing ethical planning and execution of IEEE conferences.

The Valedictory Session commenced with the Event Report presented by Mr. M. Arun, Chair, Program and Technical Meetings, IEEE Madras Section. This was followed by Certificate Distribution to participants by the Office Bearers and Executive Committee Members of IEEE Madras Section. A Feedback Session was conducted allowing participants to share their insights and experiences. The Vote of Thanks was delivered by Dr. V. Nagarajan, Vice-Chair, Conferences, IEEE Madras Section, acknowledging the contributions of speakers, organizers, volunteers, and participants. The event concluded with a Group Photograph, followed by the National Anthem marking the formal closure of POCO 2025.

FACULTY DEVELOPMENT PROGRAM (FDP)

In order to enhance the quality of teaching-learning Section is actively conducting the Faculty Development Programs in the relevant technical areas in various Engineering Institutions located in Tamil Nadu. During the year 2025, 9 such programs were organized.

TECHNICAL SPONSORSHIPS AND FINANCIAL ASSISTANCE TO THE STUDENT BRANCHES:

IEEE Madras Section provides Financial Assistance to the activities such as, Conferences, Workshops, Seminars, Symposia, etc., organized by the student branches. The norms that have been defined for such

Financial Assistance are based on the budget and number of members available in each branch. During the year 2025, 5 such programs have been extended financially.

Technical Society Chapters:

SL. No	Society Name	Chairman
1	Aerospace and Electronic Systems (AES)	Dr.T.Muthumanickam
2	Antennas and Propagation (APS)	Dr.T.Shanmuganantham
3	Broadcast Society (BS)	Dr. B. Nagaraj
4	Computer Society (CS)	Dr. S. Koteeswaran
5	Communications (COMSOC)	Dr. V. Nagarajan
6	Computational Intelligence (CIS)	Dr. N. Kumarappan
7	Control Systems (CSS)	Dr.N.S.Bhuvaneshwari
8	Engineering in Medicine & Biology (EMBS)	Dr. K. B. Jayanthi
9	Electron Devices (EDS)	Dr. J. Charles Pravin
10	Education (ES)	Mr. Navaneethakrishnan R
11	Electromagnetic Compatibility(EMCS)	Dr. P. Salil
12	Geoscience and Remote Sensing (GRSS)	Dr. Vidhya
13	Industrial Applications (IAS)	Mr. R. Srinivasan
14	Information Theory (ITS)	Dr. V. Gomathi
15	Instrumentation and Measurement (IMS)	Dr. Uppu Ramachandraiah
16	Industrial Electronics (IES)	Dr. M. Arun
17	Microwave Theory and Techniques (MTTS)	Dr.S.Kanthamani
18	Power and Energy (PES)	Dr. M. Venkateshkumar
19	Power Electronics (PELS)	Dr. Albet Alexander
20	Product Safety Engineering (PSES)	Dr. U. Saravana Kumar
21	Professional Communication (PCS)	Dr. E. Kannan
22	Photonics (PS)	Dr. R. Manjith
23	Robotics and Automation (RAS)	Dr. Nithyavathy
24	Social Implications of Technology (SITS)	Dr. C. R. Rene Robin
25	Signal Processing (SP)	Dr.N. Venkateswaran
26	System Man & Cybernetics	Dr. A. Paventhan
27	Technology and Management (TEMS)	Dr. Kulanthaivel
28	Oceanic Engineering (OES)	Dr. Sriram
29	Vehicular Technology Society(VTS)	Dr. S. Brindha
30	Reliability Society	Dr.K.Porkumaran
31	Circuits and Systems Society(CS)	Ms. P. Kalpana Devi
SECTION COUNCIL		
1	Nano Technology Council (NTC)	Dr Madheswaran
2	Bio Metrics Council	Mr. Abdul Halik
SECTION AFFINITY GROUP		
1	WIE Affinity Group	Dr. Soma Prathiba
2	Young Professionals	Mr. Prashant Mohan
3	Life Members	Mr. H.R. Mohan

- **MAJOR EVENTS (INTERNATIONAL/ NATIONAL) : NIL**

Major Chapter Activities :

Sl.No.	Society Name	No. of Events
1	Aerospace and Electronic Systems (AES)	
2	Antennas and Propagation (APS)	
3	Broadcast Society (BS)	
4	Computer Society (CS)	49
5	Communications (COMSOC)	5
6	Computational Intelligence (CIS)	
7	Control Systems (CSS)	
8	Engineering in Medicine & Biology (EMBS)	
9	Electron Devices (EDS)	
10	Education (ES)	
11	Electromagnetic Compatibility(EMCS)	
12	Geoscience and Remote Sensing (GRSS)	
13	Industrial Applications (IAS)	14
14	Information Theory (ITS)	
15	Instrumentation and Measurement (IMS)	
16	Industrial Electronics (IES)	
17	Microwave Theory and Techniques (MTTS)	4
18	Power and Energy (PES)	13
19	Power Electronics (PELS)	
20	Product Safety Engineering (PSES)	12
21	Professional Communication (PCS)	12
22	Photonics (PS)	
23	Robotics and Automation (RAS)	3
24	Social Implications of Technology (SITS)	8
25	Signal Processing (SP)	8
26	Technology and Management (TEMS)	10
27	Oceanic Engineering (OES)	
28	Vehicular Technology Society(VTS)	3
29	Reliability Society	4
30	Circuits and Systems Society(CSS)	30
31	System Man and Cybernetics(SMCS)	5
SECTION COUNCIL		
1	Nano Technology Council (NTC)	
2	Bio Metrics Council	6

• MAJOR STUDENT AND AFFINITY GROUP ACTIVITIES

Major Student Activities:

- Student Branch officer meet.
- Technical Lectures/Webinars different regions of section: In order to have more student- centric participation, technical lectures were conducted in different cities by the section, technical and student activities committee.
- Graduate Student Project Funding.

IEEE Student Hub Congress - Kanyakumari Connect

IEEE Madras Section, in association with Student Activities Committee (SAC), successfully organized the IEEE MAS Hub Congress – IEEE Student Branch Officer’s Meet, in conjunction with the IEEE Day Celebration 2025, titled “Kanyakumari Connect”, on Friday, 11 October 2025, at Rohini College of Engineering and Technology, Kanyakumari. The event was conducted with the objective of strengthening IEEE student leadership, enhancing awareness of IEEE resources, promoting research and innovation, and fostering collaboration among IEEE Student Branches. The inaugural session began with Tamil Thai Vazhthu invoking cultural pride and formally marking the commencement of the Hub Congress. This was followed by the Welcome Address delivered by Dr. P. Sakthivel, Chair, IEEE Madras Section, where he emphasized the importance of student leadership, active participation in IEEE activities, and the role of Hub Congresses in empowering student branches. An overview titled “About the Hub Congress” was presented by Dr. S. Ramalatha Marimuthu, Vice-Chair (Industry), IEEE Madras Section, highlighting the objectives, structure, and significance of the Hub Congress initiative. The Felicitation Address was delivered by Dr. R. Rajesh, Principal, Rohini College of Engineering and Technology, welcoming the IEEE fraternity and expressing support for student-centric professional activities. The Principal was formally honoured by Dr. P. Sakthivel, Chair, IEEE Madras Section in recognition of the institution’s contribution towards IEEE activities.

IEEE Student Hub Congress - Madurai Connect

IEEE Madras Section, in association with its Student Activities Committee (SAC), successfully organized the IEEE Hub Congress – Student Branch Officer’s Meet on 13 December 2025 at Velammal College of Engineering and Technology (VCET), Madurai to Rameshwaram Highway, Viraganoor, Madurai. The IEEE Hub Congress was conducted as a dedicated platform to celebrate IEEE Day 2025, share knowledge, foster collaboration among student branches, and empower IEEE Student Branch officers with insights from experienced IEEE leaders and distinguished speakers. The program witnessed active participation from IEEE Madras Section Office Bearers, Executive Committee Members, Student Branch Counselors, Student Branch Officers, volunteers, and student members, creating a vibrant learning and networking environment. The inaugural session began with Tamil Thai Vazhthu invoking cultural pride and formally marking the commencement of the Hub Congress. This was followed by the Welcome Address delivered by Dr. S. Radha, Secretary, IEEE Madras Section, where he emphasized the importance of student leadership, active participation in IEEE activities, and the role of Hub Congresses in empowering student branches. An overview titled “About the Hub Congress” was presented by Dr. S. Ramalatha Marimuthu, Vice-Chair (Industry), IEEE Madras Section, highlighting the objectives, structure, and significance of the Hub Congress initiative. The Felicitation Address was delivered by Dr. A. Shunmugalatha, Dean, Velammal College of Engineering and Technology (VCET), The Dean was formally honoured by Dr.S.Radha, Secretary, IEEE Madras Section in recognition of the institution’s contribution towards IEEE activities.

Affinity Group Activities

SECTION	AFFINITY GROUP	
1	WIE Affinity Group	15
2	Young Professionals	3
3	Life Members	

- **Awards**

During Annual Meet (AM), every year, Cash awards and appreciation certificates are awarded to the active and dynamic student branches based on the performance of the student chapters and society units. The Student Branches having a maximum number of members are also honored during the AM. During the last year, appreciation certificates were given to the top 3 best performing Student Branches and societies chapters of the section. These awards were distributed during the Annual Meetings, to motivate the student branches to perform better. It resulted in the enhancement of the higher-level performance of the student branches.

The following awards were given to Student Branches to Motivate the Members:

- Student Branches conducting more number activities
- The Student Branch having a maximum number of members, an award given to top three colleges

A.2 Financial Report :

- **Financial Overall Summary : Accounts Submitted via Next gen**
- Any other financial activities
Financial support for the student branches
 - Project funding for students
 - Incentive awards to student branches and society chapters
 - Funding given to organizing Faculty Development Programs
 - Funding given to conduct Technical Lectures

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.

Membership Grade	31 st Dec 2025	31 st Dec 2024	31 st Dec 2023
Fellow	5	4	5
Life Senior	26	17	18
Senior Members	1101	728	629
Life Members	11	9	8
Members	3485	2245	2203
Associate Members	106	65	72
Graduate Student Members	781	463	424
Student Members	19494	12820	7460
Total Membership	25009	16351	10819

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

B.2 Chapter Activities

- Total number of Chapters in the Section - 30
- Number of Chapters formed in the current year – 1 - Bio Metrics Council
- Number of active Chapters – 16
- Summary of Chapter activities (in a table format)

Computer Society (CS)

Sl.No	Date	Topic	Speaker
1	17th Dec 2025	Pragmatic AI for Quality Engineering: From Strategy to Scale	Mr. Kalilur Rahman
2	26th Nov 2025	Vulnerability to Victory: Business Use Cases in Cyber security	Mr. Arulselvar Thomas
3	10th Dec 2025	Lifelong Career in Data Science, AI, and Physical AI	Mr. S. Ramachandran
4	12th Nov 2025	Webinar on Hyper Personalisation in SDV	Dr. Arunkumar M. Sampath
5	29th Oct 2025	The Dying Art of Computer Science Education and Software Craftsmanship	Mr. Tamizhvendan Sembian
6	19th Dec 2025	Industry Ready Robotics and AI for Engineers	Mr. KalaiKovan Antony,

7	24th Sep 2025	Beyond GPUs: Application Specific ICs in AI Research and Deep Learning	Mr. Rajeev
8	15th Oct 2025	GenAI in Improving Cloud Security	Kavitha Srinivasulu,
9	10th Sep 2025	Red Team AI Simulation: An Adversarial Scenario in AI-Biotech Intersection	Ms. Hariniy Gunaseelan, Ms. Danisha Shri, Mr. M. R. Tarun, and Mr. Abhinav Mohan Kumar
10	27th Dec 2025	The Role of Artificial Intelligence and Cybersecurity in Modern Digital Transformation	Mr. Madan Ram, CEO of Thotakaa
1	14th Aug 2025	Chatbots, Social Media, Happiness and the Ekzercado Method - A Computer Science Perspective	Mr Anand Manikutty
12	16th Jul 2025	Choice computing and humanized AI	Dr. Parag Arun Kulkarni
13	21st Jun 2025	IEEE CS Madras Mega ICT Quiz Final Orals	1) Dr. N. Subramanian
14	25th Jun 2025	Study in the USA: A Step-by-Step Guide to Applying to U.S. Universities	Ms. Shanthi Mohan
15	19th Jun 2025	AI approaches to the Interpretation of Spatial Biology platforms for Precision Oncology	Dr. Arvind Rao
16	11th Jun 2025	Exploring the Efficacy and Applications of Small Language Models	Dr. Sridhar Dasaratha
17	28th May 2025	Trends in Semiconductor Industry	Mr. Venkat Krishnan
	28th April 2025	IEEE CS Madras Mega ICT Quiz -- 2nd Semi Final Orals	Dr Porkodi
19	20 th Dec 2025	Innovations in Intelligent Energy Systems for a Sustainable World".	Ramani Kannan
20	30 th Dec 2025	Exploring the Benefits, Opportunities, and Professional Roadmap through IEEE."	Dr. Vijayakumar
21	21st April 2025	IEEE CS Madras Mega ICT Quiz -- 12th Zonal Orals	Dr R Bhavani
22	28th April 2025	IEEE CS Madras Mega ICT Quiz -- 1st Semi Final Orals	Dr Niranjana
23	3rd April 2025	IEEE CS Madras Mega ICT Quiz -- 6th Zonal Orals	Dr Vijayarangan
24	1st April 2025	IEEE CS Madras Mega ICT Quiz -- 4th Zonal Orals	Dr G Fathima
25	23rd Apr 2025	Emerging Technologies and Their Integration into Real-World Applications	Dr. Reema Thareja
26	28th Mar 2025	IEEE CS Madras Mega ICT Quiz -- 3rd Zonal Orals	Dr V Murali Bhaskaran
27	15th Apr 2025	IEEE CS Madras Mega ICT Quiz -- 11th Zonal Orals	Dr Malarvizhi
28	27th Mar 2025	IEEE CS Madras Mega ICT Quiz -- 2nd Zonal Orals	Dr S Radha and Dr Karthika,
29	26th March 2025	IEEE CS Madras Mega ICT Quiz -- 1st Zonal Orals	Dr S Arivazhagan & Dr Sreekumar, Ms Sarada Ramani, and Mr PV Subramanian
30	1th April 2025	IEEE CS Madras Mega ICT Quiz -- 10th Zonal Orals	Mr. Parthiban Mani
31	5th Apr 2025	Computational Approaches to SMART Energy Management	Dr. Krithivasan Ramamritham
32	9th April 2025	IEEE CS Madras Mega ICT Quiz -- 9th Zonal Orals	Dr S Kanaga Suba Raja
33	7th April 2025	IEEE CS Madras Mega ICT Quiz -- 7th Zonal Orals	Dr KP Porkodi
34	29th Jan 2025	Artificial intelligence and responsible autonomy	Dr Srinath Srinivasa,
35	14th May 2025	The Quantum + AI Fusion: An use case on Generative Music	Mr. Lakshminarasimhan Santhanam
36	23th April 2025	Emerging Technologies and Their Integration into Real-World Applications	Dr. Reema Thareja
37	26th Feb 2025	Computational Gastronomy: Blending Food with Artificial Intelligence	Dr. Ganesh Bagler
38	5th Mar 2025	FlutterFlow: Visual Development Platform (for	Mr. B Justin Benito

		designing stunning apps that scale as you grow)	
39	12th Feb 2025	AI Tools for Business Process Automation and Ensuring 10X Business Growth	Dr. Suresh Kannaiyan
40	22nd Jan 2025	AI in Edge Computing: Trends, Opportunities, and Challenges	Dr. J. Sheeba Rani
41	5 th Apr 2025	Computational Approaches to SMART Energy Managemen	Dr. Krithivasan Ramamritham
42	27th March 2025	A Cellular unit of the Indian Quantum Network	Dr. Shashank Gupta
43	26th March 2025	Revolutionizing Software Development (The Power of Generative AI and Agentic Systems)	Mr. K.S. Kandasamy
44	9 th Apr 2025	Navigating the AI/ML Lifecycle: Key Stages and Evolving Job Roles	Mr. H.R. Mohan
45	18th March 2025	Data Driven Modelling of Sustainable and Safe Transportation Systems	Gitakrishnan Ramadurai
46	19th March 2025	DevSecOps Demystified-Innovating Security from Development to Operations.	Mr. Srinath Swaminathan
47	13th Mar 2025	Advanced Education Choices in AI & DS Era for Embracing & Leading Innovation	Ms. Shobana Radhakrishnan
48	5th Feb 2025	Book launch cum Presentation on 'Large Language Models: From Word Embeddings to Transformers	Dr. Partha Pratim Chakrabarti
49	8th Jan 2025	Quantum Software Development Life Cycle	Dr. Rajiv Chopra

Communications (COMSOC)

SI. NO	DATE	TOPIC	SPEAKER
1	19/03/2025	AI in 6G Technology	Dr.Nagarajan
2	11/08/2025	AI - Based Video Analytics	Dr. Supavadee
3	11/08/2025	Inspire 2.0	Multiple
4	11/12/2025 - 18/12/2025	6 Days Faculty Development Program - Recent Trends in Next-Generation Communication System	Multiple
5	16/12/2025	Digital Twin Technology: Shaping Smarter, More Connected Ecosystems	Dr. D. Vijendra Babu(Secretary,IEEE RAS Madras Chapter Associate Professor,SENSE,VIT Vellore)

Circuits and Systems Society(CSS)

S.No.	Date	Topi	Speakers
1	08.01.2025 – 08.02.2025	Virtual Training: VLSI SoC Design using Verilog HDL	Mr. Sivakumar P R
2	23.10.20205 & 24.10.2025	Smart System Conclave 2025	Mr.T.A.Bharathwaj
3	16.12.2025	Distinguished Lecturer Program (DLP) Talk	Dr.Bibhudatta Sahoo,
4	Feb , March, Aug, Sep 2025	Professional Member Engagement	Ms. S.Usha
5	12.02.2025	Industrial DLP: Chiplet Design Overview	International Industry Expert
6	Sep 2025	Circuit Craze	Multiple
7	08.02.2025	CASS Student Design Competition: Phase 1 Chapter Level	Dr. G. Sainarayanan, & Dr. P. Sivashankar,
8	08.03.2025	International Women's Day: Empowerment and celebrations	Dr.Radha Balachandran,
9	19.05.2025	DLP: Energy-Efficient Analog Mixed-Signal Circuits	Dr. Orazio Aiello
10	25.07.2025	Expert Talk: System-on-Chip for Generative AI	Mr. Murasoliselvan
11	08.08.2025	Kickstart Embedded Design – A Hands-On Session with Basic Controllers	Multiple
12	18.08.2025	Skill Enrichment: AI enabled Smart Healthcare Systems	Biovision systems
13	19.09.2025	Design Discovery Contest	Multiple
14	24.09.2025	Technical Quiz: "Solve the Spectrum"	Multiple
15	Sep 2025	Hack n Crack	Multiple
16	Oct 2025	Puzzle mania	Multiple
17	Oct 2025	IoT based Smart systems	Multiple
18	08.10.2025	Academic Seminar: Exploring VLSI Design Opportunities	Ms. Shunbaga Pradeepa
19	10.10.2025	CASIF Industry Forum: DV, DFT & Art of PCB Design	Ms. Ramaprabha C
20	14.10.2025	Ideathon 2025: AI Powered SoC Design and Verification	Dr. P. Kalpana Devi & Dr. I. Sheik Arafat
21	15.10.2025 – 17.10.2025	STEM Outreach: School student technical support	3 Local Schools
22	23.10.2025 – 24.10.2025	Smart Systems Conclave 2025: Immersive Technical Event	-
23	Oct 2025	Logical Nexus	-
24	15.12.2025	DLP: Analog and Mixed-Signal Circuits and Systems	Dr. Bibhudatta Sahoo
25	15.12.2025	Interaction: Graduate Programs & Profile Building	Mr. Abhyuday U Pai
26	17.12.2025	DLP Talk: ML Hardware accelerator for Inference Engines	Dr. Bibhu Datta Sahoo
27	20.12.2025	CASIF 2025: AI on RISC-V Processor	Industry/Research Experts
28	27.12.2025	IEEE CASS supported student branch chapter activity outreach	Outreach program
29	29.12.2025	IEEE CASS supported student branch chapter activity outreach	Students technical Contest

30	Oct 2025	ech Aura 2.0 – National-Level Technical Symposium	Students technical Contest
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Industrial Applications (IAS)

Sl. No.	Date	Topic	Speaker
1	27/02/2025-28/02/2025	Smartathon- 24 Hour National Level Hackathon	Multiple
2	18/03/2025	Energy Insights	Ms. Jessica Bian
3	22/03/2025	Charging futures	Dr. Sourav Das
4	04/04/2025	The Art Conquest	-
5	29/04/2025	Solar Horizons	Mr. Gregory Osereme Ikpea
6	08/05/2025	Vision Craft	Dr. Supavadee Aramvith
7	10/05/2025	National Technology Day Celebration	Multiple
8	11/05/2025	Data Horizon	Mr. Stephen Okwiri
9	19/06/2025	Energy Horizons	Ms. Shivedita Singh
10	23/06/2025	Design Spark	Mr. D. Paul
11	24-29/06/2025	Diary Diaries: A Sustainable Journey	
12	19/07/2025	Unlocking the IEEE Councils- Session 1	Ms. Sanjeevikumar Padmanban
13	22/07/2025	Unlocking the IEEE Councils- Session 2	Dr. Hulya Kirkici

Microwave Theory and Techniques (MTTS)

Sl.No	Date	Topic	Speaker
1.	21.08.2025	Why to learn RF and Microwaves!	Prof.K.P.Ray
2.	10.09.2025	Radio Frequency Micromachined Switching Networks from Microwave to Millimeterwave Applications	Dr. Sukomal Dey
3.	24.10.2025	Terahertz Transceiver for 6G Systems	Prof. Arokiasamy Alphones
4.	22.12.2025	Electromagnetic Sensing Systems: From Radio Endoscopy to Shark Deterrents	Dr. Hugo Espinosa

Product Safety Engineering (PSES)

Sl.No	Date	Topic	Speaker
1.	23.01.2025	Seminar on Application of Industrial IoT	Er S Vinothkumar
2.	31.01.2025	Seminar on Future Technologies Challenges and Advancing Design Methodologies of Semiconductor based Nanoelectronic devices	Dr.B.Padmanaban
3.	12.02.2025	Seminar on Career Development Programme	Er R Kathirvel Murugan
4.	01.02.2025	Industry Expert Talk on Be Prepared for Industry	Srinivasaraghavan
5.	24.03.2025	Industry Expert Talk on Importance of Camera in Autonomous Driving	S Varun Kumaran
6.	08.04.2025	National Experts Talk Series on 5G and Beyond Communication System	Dr.M.Surendar
7.	10.04.2025	National Experts Talk Series on CPW-Fed Broadband Millimeter Wave Antenna for 5G Applications	Dr.T.Shanmuganantham,
8.	16-17.06.2025	Product Safety Engineering Standards, Technologies, and Practices	Dr. Jing Joy Tang, Dr. BVP Prasad, Dr. Po Ming Lee,
9.	6 -7.03.2025	Workshop on PIC Microcontrollers for Beginners: Hands-On with Embedded Systems	Er V Sasikumar

10.	07-8.08.2025	Skill Development Training on ARM Cortex – M3 LPC 1768 Microcontroller	Dr Ashraf Ahamed B
11.	18.09.2025	Seminar on Job Opportunities in Core Electronics Industries	Mr Balajee Seshadri
12.	20.09.2025	Workshop on Digital VLSI Design using Verilog HDL	Ms Amsaveni Chandran

Professional Communication (PCS)

S.No	Date	Topic	Resource Person Name & Designation
1	24-02-2025	Best practises for database management in data analytics	Mr Denesh kumar Manoharan ,
2	23-01-2025	Driving in movation through mathematics in AI and business systems	Prof.Sanjeewa Perera, Dr.Prabhath Liyange
3	30-07-2025	Cyber Awareness	Mr.Syed Essan
4	31-07-2025	Wireless Assessment	Georshan
5	27-07-2025	Cyber Security Domain, Career, Audit, Compliance And Cerifications	Mr Murugan .K
6	14-08-2025	DSA workshop Building strong foundations	Dr. Joe Dhanith P R,
7	26-08-2025	Embracing the AI revolution : The vision for future	Dr S Arumuga Perumal,
8	28-08-2025	Gaurdians od the digital truth: Forensics and cyber security in the modern world	Dr Sunderasan Perumal,
9	11-08-2025	Guest Lecture On Ai-Driven Video Analytics For Cyber Security	Prof. Dr. Supavadee Aramvith,
11	11-04-2025	MATLAB for AI: Unleashing Machine Learning & Deep Learning	Dr. Karthikeyan V
12	22-01-2025	Next Generation Application Using AI: Innovations, Framework, And Real World Implementations	Poongodi. N
13	23-01-2025	How Students Can Protect From Social Media Cybercrime Scam	Tr.Ashok

Robotics and Automation (RAS)

Sl.No	Date	Topic	Speaker
1.	22 Sep 2025	RoboEdge - Paper Presentation Event	Dr. N. Nithyavathy
2.	11 Aug 2025	Industrial Robotics and Automation	Dr. T. Tamilarasi
3.	11 Aug 2025	Mobile Robotics and Navigation Algorithms	Dr. S. K. Thangarasu

Reliability Society(RS)

Sl. NO	DATE	TOPIC	SPEAKER
1	11/03/2025	Empowering Women in Engineering: The IEEE Advantage	Dr. Anuradha
2	11/03/2025	Inspiring Change: A Woman's Perspective On Success	Dr. Suparna Kar Chowdhury
3	3/10/2025	Reliable Information is Critical to Communication Reliability: Reliable AI for Reliability	Dr. Jason Rupe
4	16/12/2025	Digital Twin Technology: Shaping Smarter, More Connected Ecosystems	Dr. D. Vijendra Babu

Social Implications of Technology (SITS)

Sl. No.	Date	Topic	Speaker
1	06.01.2025	Opportunities and Resources - SSIT	Murty Polavarappu,
2	24.02.2025	Visai- International Project Competition	Navaneethakrishnan,

		and Exhibition	
3	18.05.2025	Empowering Ethical Innovators	Mr.Abishek C.A., Chair, IEEE KPRIET SSIT,
4	02.06.2025	Road Safety Awareness Program - “Mission Safe Move: Youth – Led Tech for Safer Roads”	Mr.Alagappan,
5	11.08.2025	Technical Talk on My Story of Career Development in a Globalising Tech World and AI-Based Video Analytics	Supavadee Aramvith,
6	04.09.2025	Ideathon and Pitchfest	Dr. Jayshree Patnaik,
7	06.12.2025	Empathy + Engineering : The IEEE Humanitarian Mindset	Ramalatha Marimuthu,
8	15.12.2025 – 20.12.2025	Faculty Development Program	Multiple

System Man and Cybernetics(SMCS)

SI. NO	DATE	TOPIC	SPEAKER
1	16/12/2025	Digital Twin Technology: Shaping Smarter, More Connected Ecosystems	Dr. D. Vijendra Babu
2	04/12/2025	ROLE OF DATA IN EMERGING TECHNOLOGIES	Mr. Desikan Srinivasan
3	05/12/2025	Leading with Purpose in the Age of AI - A Vision for Future Engineers	Mr. Dan Brodie
4	11/12/2025 - 18/12/2025	6 Days Faculty Development Program - Recent Trends in Next-Generation Communication System	Multiple
5	08/12/2025 - 12/12/2025	5 Days Faculty Development Program - Industry-Aligned Teaching for Future-Ready Students	Multiple

Technology and Management (TEMS)

SI. NO	DATE	TOPIC	SPEAKER
1	10/03/2025	Fireside Chat With Women In Power	Dr. Surekha Deshmukh
2	11/03/2025	Inspiring Change: A Woman's Perspective On Success	Dr. Suparna Kar Chowdhury
3	11/03/2025	Empowering Women in Engineering: The IEEE Advantage	Dr. Anuradha Tomar)
4	12/03/2025	Leading With Heart And Mind: Emotional Intelligence For Women	Dr. Tripura Pidikiti
5	13/04/2025	From College Projects to Funded Startups: Making the Leap	Mr. Navaneethakrishnan Ramanathan
6	04/12/2025	Technical Meeting - ROLE OF DATA IN EMERGING TECHNOLOGIES	Mr. Desikan Srinivasan
7	05/12/2025	Leading with Purpose in the Age of AI - A Vision for Future Engineers	Mr. Dan Brodie
8	08/12/2025 - 12/12/2025	5 Days Faculty Development Program - Industry-Aligned Teaching for Future-Ready Students	Multiple
9	11/12/2025 - 18/12/2025	6 Days Faculty Development Program - Recent Trends in Next-Generation Communication System	Multiple
10	30/12/2025	LEAP- End-to-End Core Delivery – Understanding of IT Industry & Current and Future Niche Skills	Mr. Arun Munuswamy

Biometrics Council

Sl. No.	Date	Topic	Speaker
1	15/12/2025	Big Data for Social Good: Mobile Phone Data for Migration and Mobility	Dr. Albert Ali Salah, Utrecht University
2	12/11/2025	Inauguration of IEEE Biometrics Council – Madras Section Chapter	Prof. Raghavendra Ramachandra & Dr. Sakthivel P
3	03/10/2025	Reliable Information is Critical to Communication Reliability: Reliable AI for Reliability	Dr. Jason Rupe, President, IEEE Reliability Society
4	25/09/ 2025	Empower Your Career: IEEE, Membership, and Making an Impact	Mr. Andrew Seely, VP (MGA), IEEE Computer Society
5	26/06/ 2025	Psycho-Intelligence in the Age of AI-Driven Communication: Understanding Human Behaviour in Connected Systems	Prof. Celestine Iwendi
6	19/03/ 2025	AI in 6G Technology	Dr. Nagarajan V, Professor, Pondicherry University

B.3 Professional and Continuing Education Activities:

Professional Activities:

Sl.No.	Date	Topic	Speakers
1	06-10-2025	Technical Meet - Advanced analog and mixed Signal Circuits For Sensor Systems	Dr. Shiraz Sohail
2	01-11-2025	Technical Meeting - Creative Problem Solving for Software Engineers using TRIZ	Mr. Aravind Perumal
3	14-11-2025	Technical Meet - Industry Connect	Multiple
4	19-12-2025	IEEE Mahendra Institute of Technology	
5	23-12-2025	Technical Meeting - “Building Trustworthy AI Systems for India”	Dr. Geetha Raju
6	23-12-2025	Technical Meeting - Agentic AI: Building Autonomous and Intelligent Systems using AI and ML.	Mr P.Anand Kumar
7	30-10-2025	IEEE Technical Meeting on “Anomaly Detection in Cyber–Physical Systems using AI”	Dr. Radhakrishnan Delhibabu
8	04-12-2025	Technical Meeting: " Role of Data in Emerging Technologies	Mr. Desikan Srinivasan,
9	05-12-2025	Technical Meeting, “Leading with Purpose in the Age of AI – A Vision for Future Engineers”	Mr. Dan Brodie,
10	11-12-2025	Technical Meeting titled “The Future of Smart Connectivity with IoT	Mr. Parthasarathy Sekar

Educational Activities: Faculty Development Program

Sl. No.	Date	Venue Name	Topic
1.	6-10 Oct 2025	Vel Tech Rangarajan Dr. Sagunthala R&D Institute	Empowering AI Research: Approaches and Techniques of Deep Learning for

		of Science and Technology	Multimodal Data Analysis
2.	24-28 Nov2025	S.A. Engineering College (Autonomous)	Digital Transformation in the Age of AI, Cyber Security and Business Intelligence
3.	3- 8 Nov 2025	St. Joseph's Engineering college	Innovations and Challenges in Electric Mobility Systems for Smart Cities
4.	15 -19 Dec 2025	Sri Sai Ram Institute of technology	Generative AI, Large Language Models (LLMs), and Transformers
5.	17- 22 Nov 2025	Sri Sairam Engineering College	Leveraging Explainable AI to Enhance Communication Systems, Signal and Image Processing
6.	8 – 13 Dec 2025	St. Joseph's Institute of Technology	“Artificial Intelligence in Biomedical Engineering: Trends, Technologies, and Applications”
7.	8-12 Dec 2025.	Panimalar Engineering College	Industry-Aligned Teaching for Future-Ready Students
8.	18=24 Dec 2025	Kings College of Engineering	Cyber Threat Intelligence and Incident Response Strategies
9.	22=27 Dec 2025	SSN College of Engineering	AI for the Modern Engineer: Fundamentals, Applications, and Future Trends

B.4 Students Activities

- Total number of Student Branches in the Section - 206
- Number of Student Branches formed in the current year - Nil
- Section level student activities (student congress, paper and other contests, awards etc)

Sl.No.	Date	Topic	Speakers
1	13th Sep 2025	IEEE HUB Congress 2025 - Coimbatore Connect	Multiple
2	11th Oct2025	IEEE HUB CONGRESS 2025 Kanyakumari Connect	Multiple
3	13th Dec 2025	IEEE MAS Hub Congress 2025 - Madurai Connect	Multiple
4	25-26 Oct 2025	IEEE Xtreme - Hosting of IEEEExtreme 19.0 contest - Coimbatore Region	Competition
5	25-26 Oct 2025	IEEE Xtreme Programming 24-Hour Competition - Kanyakumari	Competition
6	25-26 Oct 2025	IEEE Xtreme Programming 24-Hour Competition - Madurai	Competition
7	25-26 Oct 2025	IEEE Xtreme Programming 24-Hour Challenge - Chennai	Competition
8	27th Oct 2025	Student Skill Development Program - Explore Galaxy	Multiple
9	09th Nov 2025	Student Skill Development Program - Unlock Your Potential: Study & Exam Success Skills	Multiple
10	27th Nov 2025	Student Skill Development Programme: Empowering Future Innovators	Multiple
11	27th Dec 2025	Student Skill Development - Career Enhancement program for Higher Secondary students	Multiple

- Number of active Student Branches -76
- Summary of Student Branch activities:

Sl.No :	Name of the college	Date of the Event	Topic	Total Members Active	Amount contributed
1	Panimalar Engineering College	12-13 Aug 2025	Workshop on NLP Insights and Cybersecurity Strategies for Web Applications	480	20000
2	St.Joseph's College of Engineering	4th Sep 2025	Workshop on Synaptix	191	20000
3	Dr.Sivanthi Aditanar College of Engineering	25-08-2025	One Day Workshop on IOT Powered Web applications	25	5000
4	KIOT	23rd Jan 2025	National Level Workshop on "Design-to-Device: Practical Workshop on VLSI Design Flow using EDA Tools."	177	15000
5	Chennai Institute of Technology	10 - 11 Dec 2025	2-Days Hands-on Training on Neurorehabilitation and Behavioral Applications using Advanced BIOPAC Systems	130	10000
6	S.A. Eng. College	7th Dec 2025	one-day workshop titled "Applied AI in Cybersecurity: Tools, Techniques, and Tactics	297	20000
7	St. Joseph Institute of Technology	10th Jan 2026	AI in Everyday Applications: Transforming Modern Living"	91	7500
8	Sri Sivasubramaniya Nadar College of Engineering	23-24 Jan 2026	Two-Day Workshop on "AI on the Edge: A Hands-On Exploration of FPGA & Embedded Platforms"	241	15000
9	Vel Tech	6th March 2026	IMPULSE- "Driving the Digital Revolution	59	7500
10	PSNA College of Engineering & Technology	20-21 Feb 2026	Two-Day Hands-on Workshop on "HackShield: Protecting Code from Cyber Threats,"	241	21000

B.5 Affinity Group Activities

- Young Professional (YP)

Sl. No.	Date	Topic	Speaker(s)
1	06 Dec 2025	IEEE Madras Volunteer Leadership Training	Eugene Kingsley, Deepak Kumar, Ramalatha Marimuthu, Navaneethakrishnan R

		Program (VOLT 2.0)	
2	06 Dec 2025	IEEE Madras Young Professionals Meet-up 2025	Abdul Halik, Arun M, Prasanth Mohan, Indhumathi G, Niranjana
3	24 Oct 2025	IEEE R10 Young Professionals UpSkill 2025	Ruhaya Sithara, Jagadeesh Gopalakrishnan, Abinayaa Sri T, Kumaran Gandhi, Heyram, Ashvanth Babu, Akshaya Sivakumar

- **Women In Engineering (WIE)**

SI. NO	DATE	TOPIC	SPEAKER
1	8 Mar 2025	FIRESIDE CHAT – ASK THE WIE LEADERS	Dr. Harivardhagni Subhadra – Dr. Windhya H. Rankothge Prof. Mamiko Inamori –
2	10 Mar 2025	Own your Power - Inspiring Women to lead	Ms. Vidhya Arumugam
4	24 Mar 2025	Women in IEEE- Celebrating Leadership & Innovation	Ms. Warunika Hippola
5	2 Jul 2025	Leading with Purpose: Women in Tech Driving Change	Dr. Simay Akar Koehler
6	3 Jul 2025	VIRTUAL VIOLENCE, REAL IMPACT: PROTECTING THE VULNERABLE ONLINE	Dr. Harivardhagni Subhadra
7	5 Jul 2025	Deep Learning and Cyber Security for Innovation and Advancement	Dr. Celia Shahnaz
8	6 Jul 2025	My IEEE Journey and the Benefits of WIE	Ms. Vickie Ozburn
9	7 Jul 2025	IEEE WIE Day Celebration 2025	Ms.Renu.G
10	4 Jul 2025	IEEE WIE Day Celebration 2025 (CYBERWISE: Empowering Women)	Indhumathi Gunasekaran
11	7 Jul 2025	IEEE WIE Day Celebration 2025	Mr.Kishore Kumar. N
12	3 Jul 2025	IEEE WIE Day Celebration 2025 (CyberShield: Empowering Women in Cyber Security)	Dr. S V Juno Bella Gracia and Mr. Dhivakar B
13	2 Jul 2025	IEEE WIE Day Celebrations 2025 (Webinar – Cyber Security: Empowering Women Towards a Secure Future)	Mrs. Nalini Kannan
14	11 Oct 2025	CONNECTING THE DOTS 4.0	Dr. Vidhya Arumugam
15	25 Nov - 10 Dec	Orange the Future	Design Competition

- Life Member (LM)

B.6 Awards & Recognition Activities

- **Award constituted by the Section**

Various awards have been distributed to encourage the student branches & societies to conduct more activities, cash awards & certificates of appreciation are being distributed every year at the Annual Meet. The selection of SBs for the awards is based on the parameters such as activities conducted, membership strength, reporting in the newsletter, website maintenance, society chapters in the SBs, awards, funding received, etc., Similarly, the Society Chapters and Affinity Groups are awarded based on their activity level, accounts submission, website maintenance, etc. Awards will be given to

different categories like Best Student Branch Counselor, Best Researcher, Best YP, Best WIE, Best Student Volunteer, Best Student Branch, Best Society Award, Life Time Achievement Award. 160 applications received

- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year:

Sl. No.	Year	Region	Award	Recipient
1	2025	R10	IEEE Regional Exemplary StudentBranch award	Animalar Engineering college student Branch
2	2025	R10	IEEE Regional Exemplary StudentBranch award	St. Joseph's college of Engineering Student branch
3	2025	R10	IEEE Regional Exemplary StudentBranch award	Sri Sairam Engineering College
4	2025	R10	IEEE Regional Exemplary StudentBranch award	Rajalakshmi Institute of Technology
5	2025	R10	IEEE Regional Exemplary StudentBranch award	Sri Sairam Institute of Technology
6	2025	R10	IEEE Regional Exemplary StudentBranch award	Vellor Institute of Technology PELS Student Branch
7	2025	R10	IEEE Regional Exemplary StudentBranch award	KPRIET Student Branch
8	2025	R10	IEEE Regional Exemplary StudentBranch award	Karpagam College of Engineering
9	2025	R10	IEEE Regional Exemplary StudentBranch award	Model Engineering College
10	2025	R10	IEEE Branch counselor Award and Chapter Advisor award	Dinesh chellappan
11	2025	R10	Darrel Chaong Student activity award	KPR Institute of Engineering and Technology

B.7 Communication Activities

- ✓ Newsletter (name and number of issues in the year)
 - Name: IEEE Mas-Link
 - Number of issues in the year: 6 issues
 - Email ID: ieemaslink@gmail.com
- ✓ Section Website (provide URL and how often it is updated)
 - URL : <https://ieemadras.org>
 - Updated : Homepage will be updated once in a year and will be updated the data whenever required.
- Other means of contact with Section members including social media:
 - Other means of contacts with Section members including social media : IEEE Madras Section office is in regular touch with all the members through the mail and by creating Listserv IDs for Members, Students, and other Student Branches. - The IEEE Madras Section website has been upgraded. There

are login credentials for different modules set up in this system.

B.8 Industry Relations

- Membership growth and retention:
 - ✓ IEEE Madras Industry Activities Committee organised the following activities:
 - Vice Chair, Industry, Dr. Ramalatha Marimuthu, organised the IEEE Returning Mothers Conference 2025 was held on 8 and 9 November 2025 with a strong industry collaboration. Several sessions explored diverse themes such as artificial intelligence for entrepreneurship and career growth, led by Mr Nikeelu Gunda (Founder, Digipreneur.AI), frugal innovation as a pathway for women entrepreneurs presented by Dr Jayshree Patnaik (Assistant Professor, IIT Hyderabad), and rebuilding purpose and possibility for returning mothers by Ms Manasi Kumar (Stanford Seed Spark, South Asia). Workshops on professional networking platforms, cybersecurity careers for returners, and music therapy for wellbeing offered practical guidance to participants.
 - ✓ Vice Chair, Industry, Dr. Ramalatha Marimuthu, attended the Region 10 Industry Research Connect organised by IEEE R10 Asia Pacific Adhoc Committee on Industry Engagement in India on 14th November 2025. The Round Table boasted industry leaders from CapGemini, L&T, Visteon, Infosys and so on. The discussions ranged from student skill development, training the trainers, industry research and standards development.
 - ✓ Industry Research Summit - 10th and 11th of December 2025. The two day Research Summit was interspersed with talks on “Technology as a Force for Sustainable Change”, “Making Cities Greener with Smart Energy”, and IKS-Powered Innovation in AI and Robotics” and workshops on Digital Marketing and Tabelau & Knime for Healthcare Sector. There was also a project competition for the school students along with a workshop on Design Thinking.
 - ✓ The Madras Section Industry Coordination Committee organised a Five Days Faculty Development Program (FDP) on “Business 4.0: Adopting Industry 4.0 Frameworks for Academia”, sponsored by the IEEE Madras Section, IEEE Madras Section Computer Society Chapter, IEEE Madras Section Antenna and Propagation Society Chapter, IEEE Power and Energy Society Chapter and IEEE Madras Section Professional Communication Society Chapter. The FDP aimed to strengthen faculty competencies in Business 4.0 and Industry 4.0 technologies, focusing on emerging digital tools, academic–industry collaboration, innovation, and sustainability. The program emphasized curriculum enrichment, research alignment with industry needs, and the adoption of modern technologies in teaching and learning practices. It also encouraged socially responsible and innovation-driven academic approaches aligned with IEEE’s vision and the Sustainable Development Goals.
- Activities for/with industrial members:
 - IEEE Madras Industry Coordination Committee has completed the Faculty Development Program, titled “Business 4.0 – Adopting Industry 4.0 Frameworks for Academia” on 15th-19th December 2025.
 - IEEE R10 Adhoc Committee on Industry Engagement in India: Industry Connect: Redefining Engineering Together” November 14, 2025 at Welcome Hotel (ITC), Coimbatore.

B.9 Humanitarian Technology Activities

- ✓ Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
 - ✓ Dr.Ramalatha Marimuthu, Vice Chair, Industry is strongly connected with IEEE SusTech Committee under the Climate Change Task Group. She coorganised and spoke at the Climate Change Symposium sponsored by IEEE NPSS and organised at the World Expo, Osaka, Japan on 6th August 2025 about the Resilience of Women towards Climate Change and IEEE’s part in it.
 - ✓ The IEEE Returning Mothers Conference 2025 was held on 8 and 9 November 2025 at Hyderabad with Madras Section Vice Chair, Industry as its General Chair. The event brought together International academicians, representatives of International Organisations such as the

World Bank, professionals, researchers, educators, and innovators from around the globe to discuss inclusion, leadership, and opportunities for women returning to professional careers after a break. The conference reflected IEEE's continued commitment to diversity, mentorship, and lifelong engagement within the engineering and technology community and strengthened the commitment of Engineering fraternity towards attaining the Sustainable Development Goal 5, the Gender Equality and Women Empowerment. Guided workshop on cybersecurity by Ms. Dimple Pal from Tata Consultancy Services, addressed common misconceptions, outlined accessible entry pathways, and highlighted the rising demand for women in security roles at the same time emphasizing the fight towards cyber crimes.

- ✓ The "Bozena Pasik-Duncan Humanitarian Mentorship Awards" were presented to individuals who demonstrated exemplary mentorship and leadership in advancing humanitarian innovation on 9th November 2025. The concluding panel discussion, explored shared caregiving responsibilities and the societal shift toward equal partnership in family and career life.

- ✓ SIGHT Activities

B.10 Community Activities

- ✓ **IEEE Social activities**

IEEE Day 2025 Celebration, Madras Section at SSN College of Engineering

The IEEE Day 2025 Celebration was successfully organized by the IEEE Madras Section and hosted by the IEEE Student Branch, SSN College of Engineering, on 14 October 2025 at the Mini Auditorium, SSN College of Engineering, Chennai. The event commemorated the spirit of innovation, collaboration, and technological excellence of IEEE. A key highlight of the celebration was an engaging workshop on "Agentic AI & Generative AI", which provided participants with valuable insights into emerging AI paradigms and their real-world applications. The program also featured interactive quizzes and surprise contests, fostering active participation and enthusiasm among students.

As part of the IEEE Day Celebration, Shri H. R. Mohan, Chair, IEEE LMAG, and Dr. S. Brindha, Treasurer, IEEE Madras Section, participated in the session and shared their insights through informative talks. The event was also graced by Dr. Palanikumar, Chair, SIGHT Madras Section, and Dr. Venkateswaran, Chair, Signal Processing Society Madras Chapter. The celebration concluded with a cake-cutting ceremony, symbolizing the spirit, unity, and significance of IEEE Day.

The celebration witnessed active participation from students and IEEE members and concluded successfully, reinforcing IEEE's commitment to knowledge sharing, innovation, and professional development.

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved:
 - **Faculty Development Program:** Overall, the program will empower faculty members to deliver outcome-based education, promote, innovation in teaching and research, and prepare students for the evolving demands of the smart energy sector under Industry 4.0.
 - **IEEE MAS Hub Congress:** serves as a vibrant platform for IEEE Student Branch Officers, Faculty Coordinators, and Volunteers to exchange best practices, and engage with distinguished professionals from various domains.
 - **POCO(Panel of Conference Organizers) :** This workshop is specifically curated for IEEE Members, Faculty, Researchers, and Industry Professionals interested in hosting IEEE International Conferences with excellence and compliance. It is a premium knowledge-sharing platform designed to empower professionals in planning, organizing, and delivering high-quality IEEE Conferences in alignment with global standards.

- Funding secured from the IEEE and external sources including sponsorships - Nil

C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)

- Nature of relationship and details of any formal agreement signed
- Details of joint activities
 - ✓ IEEE Madras Section works in close collaboration with other Professional Society Chapters in Chennai. World Telecommunication Day was organized by the IETE center, Chennai, and was co-sponsored by IEEE Madras Section.
 - ✓ IEEE Madras Section also co-sponsored the programs organized by the Institution of Engineers (India), Chennai Centre.
 - ✓ Rupees 5000 have been distributed to perform various collaborative events within and outside the section
- Benefit to IEEE members (for example discounts, access to technical information etc.)
 - ✓ Programs like HUB Congress - Student Branch Counselor's Meet, POCO(Panel of Conference Organisers) and Technical Meetings were organized at different regions for the benefit of members and discounts were given for the non- IEEE Members to make aware of the IEEE benefits.
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)
 - ✓ Many programs were organized at different regions where venue was chosen as institutions and the institutions took care of food and refreshments for participants for some events

C.3 Collaboration with other IEEE Sections

- Support extended to neighboring Sections - Nil
- Joint activities with any other Section - Nil

C.4 Support extended to Subsections & Society Chapters within the Section

- Support extended for organising technical, educational and professional activities
 - Funds provided to society chapters & affinity groups
 - Several collaborative events conducted within society chapters & affinity groups.
 - During Annual Meet (AM), every year, cash awards and appreciation certificates are awarded to the active Society Chapter based on the activities conducted.
 - Appreciation certificates were given to Societies Chapters of the section. These awards were distributed during the Annual Meeting, to motivate the Section societies to perform better. It resulted in the enhancement of Society Chapter performance.
- Joint activities for membership development : Pls see Pg 12
- Support extended for the formation of a Subsection or transition of a Subsection into a full Section - Nil

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefit of members)

- For students, engagement, and to progress their knowledge, UpSkill and MAS-E tech symposium, HUB Congress was accomplished.
- Conducted Student Training Programs for students' community and enhanced the student membership of the section.
- Regular Faculty Development programs & POCO in different locations in the state to benefit a good number of faculty members.

- The Student project funding for undergraduate & Post Graduate Students.
- Technical Support and sponsorship by the section to the student branches for various technical programs like Conferences, Workshops, Seminars, Symposia, etc., for the improvement of Quality of the technical activity in the student branches.
- Community outreach program to mold better youth of the country.
- Technical Lecture series organized by the technical society chapters.
- Communication and personality development programs are organized by the section.
- Recognition & Awards during Annual Meet to active student chapter and technical societies.
- Award to the authors who have published papers in IEEE Journals.

C.6 Problems anticipated and suggestions for solutions, if any

- Retention of Student members is one of the major issues faced by the section,
- To increase in professional members on account of increase in members subscription
- Steps have been taken in the form of organizing webinars on IEEE Membership benefits and by enhancing the Student branches to conduct more technical events.

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans

1. The funding for the student project proposal is continuous every year in order to enhance the technical competencies of the students.
2. To conduct more membership development programs to improve student and professional memberships.
3. A Project exhibition contest is planned to identify creative and innovative proposals and implement of strategy for further improvement.
4. Planning to organize more Faculty Development Programs in order to increase the number of beneficiaries. This will improve the quality of teachers and improve the teaching-learning process as a whole.
5. More Student Training Programs based on the demand from members.
6. Organization of conference organizers workshop **to equip** the institution leadership to organize good clarity conference.
7. To conduct Industry related and Entrepreneurship programs.

D.2 Goals and Future Plans

1. To geographically spread the technical activity organized by the section, the society chapters,
2. Plan to organize the Membership awareness programs in the connected places.
3. To make the activity more student-centric such that the future Engineers are more competent in all Endeavors.
4. To take the technical knowledge and state-of-the-art technology to the rural parts as well. To create awareness about Science and Technology at the school level.
5. To organize workshops on advanced health care for a better quality of life.
6. To increase the chapter membership and senior membership Programs
7. To coordinate with industries for a better student branches industry connect.
8. Organize industrial visits for IEEE student members.
9. Organizing webinars on emerging technologies.

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

- To conduct more membership awareness programs.

- Planning to circulate IEEE monthly newsletter to all the educational institutions who are not part of IEEE even if no IEEE Student Branch is functioning.
- Recognition of outstanding professionals and volunteers
- To conduct the Membership drive in industries.
- Student Branch Leadership Enhancement & Development Drive has been conducted to make inactive SBs into dynamic SB.

D.4 Business Plan for Sustainable Growth and Financial Stability : Nil