IEEE INDIA COUNCIL

REPORT - 2024

IEEE INDIA COUNCIL

www.indiacouncil.org

IEEE INDIA COUNCIL
CORE EXECUTIVE COMMITTEE - 2024

Dr. Debabrata Das
Chair

Dr. Prerna Gaur
Chair Elect

Mr. Sabarinath G Pillai
Secretary

Dr. Y. Vijayalata
Treasurer

Dr. K. R. Suresh Nair
Immediate Past Chair

Mr. Deepak Mathur
Advisor

Dr. Sivaji Chakravorti
Advisor

Er. R K Astana
Ombudsman

IEEE INDIA COUNCIL REPORT

Table of Contents

IEEE INDIA COUNCIL

Council website: **https://ieeeindiacouncil.org/**
Reported by: **Nandan S, Secretary, 2025**

1.0 Executive Summary

In 2024, IEEE India Council introduced several unique initiatives and achieved significant milestones. At the start of the year, the Council's Chairman outlined key initiatives, plans, and goals. With the support of dedicated and dynamic volunteers, the Council successfully executed many of these plans and organized numerous activities in collaboration with its constituent sections.

A.1.1 Executive Committee:

ROLE	NAME
Chair	Dr. Debabrata Das
Secretary	Er. Sabarinath G Pillai
Treasurer	Dr. Y. Vijayalata
Immediate Past Chair	Dr. Suresh Nair,
Chair Elect	Dr. Prerna Gaur
Advisor	Er. Deepak Mathur
Advisor	Dr. Sivaji Chakravorti
Ombudsman	Er. R.K. Asthana
Vice chair, Technical Activities	Mr. Puneet Mishra
Vice Chair - Student Activities & Student Coordination Team	Mr. Shone Jose
Vice Chair - Awards	Dr. Sudip Misra
Vice Chair - Women In Engineering	Dr. Sudeshna Choudhury
YP activities	Mr. Shone Jose
Vice Chair, Electronic Information Communication and Management (ECIM)	Dr. Chengappa M.R
Vice Chair - Branding & Member Benefits	Dr. Lakshminarayan a Sadasivuni Sadasivuni
Vice Chair- Membership Development	Dr.Rajashree Jain
Vice Chair- Section & SubSection Cordination	Mr. Bindumadhav
Vice chair - Industry Academia Collaboration	Dr.John Jose
Vice Chair - Educational Activities	Dr. Prerana Gaur
Vice Chair-Professional Activities	Dr. Maniklal Das
Vice Chair-HTA	Ms.Sadhana Attavar

Vice Chair- Outreach	Dr. R N Patel
Editor, NewsLetter	Prof. Gopalan Nair
Coordinator Life Member Affinity Group	Er. Koruthu Varughese
Vice Chair - Sister Society Coordination	Dr Hariprakash
Vice Chair - Strategic Planning	Dr Ashish K Singh
Vice Chair - Sustainable Development Activities (SDA)	Dr. Preeti Bajaj
Ex-officio Members	
Section Chair, Bangalore	Dr. Aloknath De
Section Chair, Bombay	Mr. Anand S Gharpure
Section Chair, Gujarat	Dr. Kiran Amin
Section Chair, Hyderabad	Dr. Atul Negi
Section Chair, Kerala	Prof. Muhammed Kasim S
Section Chair, Kharagpur	Dr Mrinal Mandal
Section Chair, Kolkata	Dr. Iti Saha Misra
Section Chair, Madras	Dr. Porkumaran
Section Chair, Pune	Dr Surekha Deshmukh
Section Chair, Vizag Bay	Dr. Abraham Varghese
Section Chair, Delhi	Dr. Abdul Q Ansari
Section Chair, Uttar Pradesh	Dr. Satish Singh
Section Chair, MP Section	Dr. G S Tomar
GIEEE Bangalore	Mr. Sri Chandra

A.1.2 Council Highlights

Strategic Growth and Membership Development

- IEEE India Council strengthened its role in coordinating activities across **14 Sections and 14 Sub-Sections**, fostering collaboration, resource optimization, and knowledge-sharing.
- **Membership witnessed a remarkable growth**, reaching **92,594 members as of 19 December 2024**, compared to **86,654 in 2023**, marking a **6.8% increase**.
- IEEE **Madras, Bangalore, and Kerala Sections achieved global recognition**, ranking **#1, #2, and #4**, respectively, in IEEE membership strength.
- A **new IEEE Section (Bhubaneswar Section) was formed**, further expanding IEEE's reach and engagement in India.
- **Senior Member Elevation efforts were impactful**, with **significant elevations in 2024**, strengthening IEEE's leadership pipeline in India.

IEEE India Council Leadership Milestones:

2

- **Dr. Sameer S. M. was elected IEEE Region 10 Director-Elect**, a major milestone, elevating India's representation in IEEE's Asia-Pacific leadership.

Flagship Conferences: Driving Research and Innovation

- **INDICON 2024**, IEEE India Council's premier conference, was hosted at **IIT Kharagpur from 19–21 December 2024**, organized by **Kharagpur Section** attracted **top researchers, professionals, and students** from across the globe.
- **INDISCON 2024**, hosted by **Chandigarh Subsection from 22–24 August 2024**, saw an overwhelming response with **over 2000 paper submissions and a 20% acceptance rate**. More than **400 delegates from India and abroad** participated, benefiting from technical paper presentations, expert keynotes, and industry-academia panel discussions. IEEE India Council **provided funding support for conference organization and travel grants**, enhancing accessibility for early-career researchers.
- **TENSYMP 2024**, IEEE Region 10's flagship symposium, was successfully organized in **Delhi from 27–29 September 2024**, fostering **multidisciplinary discussions and industry collaborations**.

Empowering Students, Young Professionals, and Women in Engineering

- **AISYWLC 2024**, the flagship **congress for WIE, Students, Life Members, and Young Professionals**, was hosted by IEEE Madras Section on Dec 7th and 8th, 2024, at College of Engineering, Guindy, Anna University, Chennai created a dynamic platform for networking, mentorship, and professional growth.
- **ILS WIE Summits** in **Delhi and Madras** facilitated **empowerment initiatives, leadership training, and technical discussions for women engineers**.
- **IEEE India Council Student Coordination Team celebrated its 10th anniversary on 16 April 2024**, with **IC Core Team leaders** sharing insights on student engagement and leadership growth.

Strengthening Industry-Academia Collaboration

- **IEEE Industry Day and Industry Round Table Discussion**, featuring Dr. Lance Fung (Region 10 Director), Dr. Bernard Lim (Chair, IEEE R10 ACIERT), and Dr. Porkumaran (Madras Section Chair), led to strategic discussions on bridging the gap between industry and academia.
- **IEEE India Council Industry-Academia-Young Professionals Committee (IAYPC) was formed in 2024**, comprising members from industry and academia, acting as a central hub for skill development, innovation, and economic growth.
- **A structured mentorship program** was initiated by Dr. John Jose, Industry Relations Chair, engaging **5 core team members and 13 industry mentors**, impacting **thousands of IEEE members**.
- **IAYPC organized multiple industry-focused hackathons**, including a **Standards Workshop and Hackathon at Sardar Patel Institute of Technology on 19 September 2024**, and a **Cybersecurity Hackathon in collaboration with India Internet Foundation on 21 September 2024**.

- **An Affordable Medical Device Hackathon**, held on **3–4 October 2024**, encouraged innovative healthcare solutions, attracting interdisciplinary teams of engineers and healthcare professionals.

Knowledge Sharing and Professional Development

- **IEEE Higher Education Summit** organised by IEEE India head office in the presence of IEEE President in Delhi where IC Chair Elect Prof Prerna Gaur was a panelist. The event includes a **panel discussion on NEP 2020 and Indian Technical Education, Global Leadership Connect 2024** with Dr. Thomas M. Coughlin (IEEE President), Dr. Kathleen Kramer (IEEE President Elect), Mr. Deepak Mathur (MGA Vice-President), Mr. Lance Fung (R10 Director), Dr. Prerna Gaur (IC Chair-Elect) as guests and speakers.
- **A Fellow Elevation Webinar** on **1 December 2024**, featuring **Dr. Ken Sugiyama**, guided researchers on advancing to **IEEE Fellow status**.
- **Senior Member Benefits Panel Discussion** featured experts including Mr. Deepak Mathur (MGA Vice-President), Dr. Debabrata Das (IC Chair), Dr. K. R. Suresh Nair (Past IC Chair), Dr. Sameer S. M. (R10 Director-Elect), and Dr. Prerna Gaur (IC Chair-Elect), resulting in increased Senior Member elevations in 2024.
- **A webinar on "How to Write a Research Paper Effectively"** helped researchers improve publication success rates, supporting IEEE's mission of advancing technology through scholarly contributions. More than 380 young professionals attended the event.
- **A session on higher education opportunities through the GATE exam**, conducted on **7 April 2024** by **Dr. Sameer S. M. and Prof. T. Venkatesh**, guided students on securing admissions to IISc, IITs, NITs, and IIITs.
- **A voter engagement initiative** was conducted to encourage active participation of Young Professionals in IEEE's annual elections, with selected ambassadors leading awareness campaigns.
- **IEEE Sustainable Solutions for Humanity event**, held on 21 October 2024, featured Dr. Anil Sahasrabudhe (NETF & NBA Chairman) as Chief Guest, with Dr. Debabrata Das, Mr. Deepak Mathur, and Dr. Prerna Gaur as Guests of Honor, addressing global sustainability challenges.
- **A "NAAC Ready" workshop**, led by Dr. Preeti Bajaj, helped engineering institutes and universities prepare for NAAC accreditation, strengthening India Council's role in **educational quality enhancement**.
- **A training session on "How to Crack the CAT Exam in 80 Days"**, conducted on 7 September 2024 by Sahil Sameer, Founder of Open Grad Foundation, inspired student members and graduate students to excel in management entrance exams.
- **IEEE Secretary-Treasurer Conclave**, hosted by **IEEE Madras Section**, provided **comprehensive training for all section treasurers**, ensuring financial transparency and best practices in governance.

Enhancing Digital Transformation and Communication

- **IEEE India Council Awards Portal was fully digitalized**, ensuring a transparent and seamless nomination process.

4

- **E-Notice dissemination was streamlined**, improving communication efficiency for Council members.
- **Social media engagement on LinkedIn and WhatsApp Channels expanded**, complementing e-notices for **effective member outreach**.
- **IC Newsletter, "IC Vaani," was revamped**, with **four editions published and widely disseminated**, enhancing visibility of IEEE India Council's initiatives.

IEEE Day Celebrations and Recognitions

- **IEEE Day 2024 was celebrated across multiple IC Sections and Student Branches**, with extensive member participation and reporting.
- **Shri Prahlad P. Chhabria Awards of IEEE India Council**, in association with **Hope Foundation and IEEE WIE AG Pune Section**, honored outstanding contributions in technology and engineering.

Hackathons, MoUs, and Collaborations

- IEEE India Council partnered with CodeTantra to conduct an **offline and online hackathon**, with a total prize pool of ₹5 Lakhs, encouraging student innovation.
- **Strategic MoUs** were signed with leading organizations, including **Qualcomm, Hope Foundation, Institution of Engineers (India), and IETE**, fostering collaborations in research, technical symposia, and professional development.
- **An MoU with CDAC** is in the pipeline, aiming to promote R&D and professional growth opportunities.

A.1.3 Major Events (International, National)

- INDICON 2024, IEEE India Council's premier conference, was hosted at IIT Kharagpur from 19–21 December 2024, organized by Kharagpur Section attracted top researchers, professionals, and students from across the globe.
- **INDISCON 2024** (India Council Subsection Conference 2024) on August 22-24, 2024: Venue: Chandigarh Subsection. This flagship conference brought together academics, industry professionals, and students to discuss the latest advancements in technology and engineering. Technical paper presentations, workshops, and panel discussions were key highlights. Over 2000 papers were received from which 20% were accepted for presentation and publication. The Council contributed funding for conference organization and travel grants. Attendees: 400+ delegates from India and abroad.
- **TENSYMP 2024**: Date: September 27-29, 2024, Venue: Delhi. TENSYMP featured technical symposia on cutting-edge topics like AI, sustainable technology, and 5G networks. Researchers presented their findings, and industry leaders discussed future trends. Attendees: 300+ participants from across the Asia-Pacific region.
- **All India Student, YP, WIE, LM Congress (AISYWLC 2024):** Date: November 2024. This national congress brought together students and professionals from various IEEE groups. Planned activities include leadership workshops, GenAI fashion shows, humanitarian project expos, and an industry mentorship program. The Council is heavily involved in planning and funding, with a focus on promoting diversity and inclusivity. 300+ attendees with significant involvement from IEEE societies.
- **IEEE Education Week Celebration** (April 14-20, 2024). In 2024, IEEE Education Week took place from April 14-20, focusing on Cybersecurity & Sustainability (Waste Management) under IEEE India Council (Region 10). The goal was to empower students, educators, and professionals with skills to navigate the digital world responsibly while promoting sustainability in alignment with Industry 5.0.
- Panel discussion on **"Opportunities for Women in STEM**. On 17th December '2024 a panel discussion on "Opportunities for Women in STEM" was held as WIE panel at iSES 2024 at IIITD. Prof Prerna Gaur, Director West Campus Chair-Elect 2024, with Dr. Archana (Senior Advisor, Head Relations, Principal Scientist, CERN), and Ms. Rachna Malik (Vice President and Global Head of TCS ADD™ Platform) were the panelists
- Organized and conducted **International Conference on Sustainability and Technological Advancements in Engineering Domain on 30 - 31 August, 2024** in

6

association with **IEEE Delhi Section, Sustainable Development Activities (SDA) Committee of IEEE India Council** and School of Engineering and Technology at Manav Rachna International Institute of Research and Studies.

A.2 Financial Report

Income	Amount (INR)	Expenditure	Amount (INR)
Opening Balance	2,35,491.76		
Receipts During the year (others)	7,64,203.00		
INDISCON 2024	16,06,405.00		
		INDISCON2024	11,79,102.00
		Others	13,78,899.50
		Closing Balance	48,098.26
Total	**26,06,099.76**		**26,06,099.76**

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Educational Activities (Vice-Chair: Dr. Prerna Gaur)

1. IEEE Education Week Celebration (April 14-20, 2024):

In 2024, IEEE Education Week took place from **April 14-20**, focusing on **Cybersecurity & Sustainability (Waste Management)** under IEEE India Council (Region 10). The goal was to empower students, educators, and professionals with skills to navigate the digital world responsibly while promoting sustainability in alignment with Industry 5.0.

Key Highlights:

11 IEEE Organizational Units hosted **theme-based activities**, including guest lectures, panel discussions, cybersecurity/waste management demonstrations, and interactive workshops. IEEE members benefited from free or discounted access to various educational resources, webinars, and courses.

2. Education Track during TENSYMP 2024:

Along with TENSYMP 2024, a special WIE & Education Track featured a panel discussion on "Tech-Driven Solutions for a Better Future," bringing together distinguished experts to explore technology's role in fostering innovation and sustainability. The panel, including Mr. Deepak Mathur, Prof. Preeti Bajaj, Prof. Mridula Gupta, and Prof. Prerna Gaur, discussed the integration of technology across fields, highlighting the contributions of women and education in driving impactful solutions for a better future.

3. IEEE Higher Education Summit 2024 – Delhi

The IEEE Higher Education Summit 2024, organized by the IEEE India Office in Delhi, brought together global IEEE leaders, including IEEE President Dr. Thomas M. Coughlin, President-Elect Dr. Kathleen Kramer, MGA Vice-President Mr. Deepak Mathur, R10 Director Mr. Lance Fung, and IC Chair-Elect Dr. Prerna Gaur. The event featured a panel discussion on NEP 2020 and Indian technical education, along with the Global Leadership Connect 2024 session. It provided a platform to align IEEE initiatives with NEP 2020, fostering curriculum modernization and industry collaboration. Strengthening IEEE's role in higher education and leadership development, the summit encouraged the use of IEEE resources for research and professional growth while reinforcing IEEE India Council's leadership in shaping global education strategies. This summit played a key role in bridging IEEE's global expertise with India's evolving higher education landscape, ensuring innovation and leadership development.

4. Panel discussion on "Opportunities for Women in STEM:

On 17th December '2024 a panel discussion on "Opportunities for Women in STEM" was held as WIE panel at iSES 2024 at IIITD. Prof Prerna Gaur, Director West Campus Chair-Elect 2024, with Dr. Archana (Senior Advisor, Head Relations, Principal Scientist, CERN), and Ms. Rachna Malik (Vice President and Global Head of TCS ADD™ Platform) were the panelists.

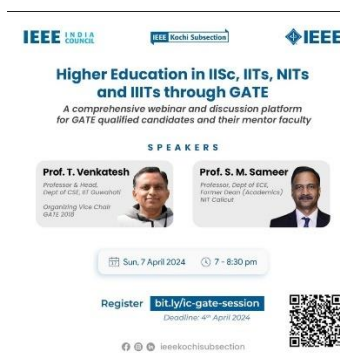## 5. Higher Education & Competitive Exam Sessions

A session on higher education opportunities through the GATE exam was conducted on 7 April 2024 by Dr. Sameer S. M. and Prof. T. Venkatesh, guiding students on securing admissions to IISc, IITs, NITs, and IIITs. Additionally, a training session on cracking the CAT exam in 80 days, led by Sahil Sameer, Founder of Open Grad Foundation, on 7 September 2024, inspired students to excel in management entrance exams.

6. NAAC Ready Workshop

Led by Dr. Preeti Bajaj, this workshop helped educational institutions prepare for NAAC accreditation, equipping faculty with essential strategies for institutional development.

7. A session on **higher education opportunities through the GATE exam**, conducted on 7 April 2024 by Dr. Sameer S. M. and Prof. T. Venkatesh, guided students on securing admissions to IISc, IITs, NITs, and IIITs.

8. A webinar on "**How to Write a Research Paper Effectively**" helped researchers improve publication success rates, supporting IEEE's mission of advancing technology through scholarly contributions.

B.2 Humanitarian Technology Activities (Vice-Chair: Ms Sadhana Attavar)

The IEEE India Council's 2024 humanitarian activities focused on the MOVE Outreach India Program, a disaster relief and outreach initiative under IEEE HTB. Key plan include Disaster Awareness Training – Educating children and youth on disaster preparedness, STEM on Climate Change – Hands-on STEM education for sustainability, MOVEATHON – Ideathon for disaster mitigation innovations, Launch of MOVE India Truck – Tech-enabled disaster response support.

STEM Kits for Climate Change & Disasters:

10 STEM kits were developed for MOVE India, demonstrated on March 5, 2024, at the GIEEE office, Bangalore. These kits enable hands-on learning about climate change, greenhouse gases, weather patterns, and disaster awareness.

- April 20: IEEE India Council SIGHT Chairs meeting with 8 sections to plan MOVE India activities.
- May 2: Mini MOVE India Truck layout finalized.
- June 2: Train-the-Trainer (TOT) on Disaster Awareness Training with 30 volunteers, led by Mr. Sunand Sampath.
- Post-TOT: The Trainer Toolkit was shared with SIGHT Chairs to conduct programs in schools.
- June 29: First Disaster Awareness Training Program post-TOT held at A S Kupparaju & Bros Vidyaniketan School, Bangalore, organized by IEEE SIGHT Bangalore & IEEE SB Atria Institute of Technology.
- July 21: STEM kit launched in Bangalore by IEEE President Mr. Thomas M. Coughlin with IEEE leaders.
- July 27: STEM Kit Training Program held in Bangalore with participants from 8 IEEE India Council Sections.

- Aug 10-11: Talk at IEEE WIE ILS Delhi by Ms. Sadhana Attavar on Disasters, Climate Change & IEEE MOVE India.
- Talk on Climate Change & Disasters: Oct 10, Oxford Engineering College, Bangalore, by Ms. Sadhana Attavar.
- STEM Workshops: 11 workshops across India, educating 600+ students on climate change and sustainability.
- Disaster Awareness Training: 7 sessions in Karnataka, training 450+ students.
- STEM Kit Demonstration: AISYWLC'24, Dec 7-8, Anna University, Chennai, well received.
- IEEE MOVE Global Meeting, USA: Nov 22, Dallas, Texas, attended by Ms. Sadhana Attavar with MOVE USA 3 Truck showcase.

B.3 Industry Academia Relations (Vice-Chair: Dr. John Jose)

Student & Professional Mentorship Programs:

Student Mentorship Program (SMP): 121 academicians & 70 industry professionals mentoring 448 students, offering career guidance, higher education insights, and networking.

Professional Mentoring Program (PMP): 80 mentors guiding 180 young faculty members through one-on-one sessions and expert talks.

Fortnightly Expert Talks: Topics include research paper writing, IEEE growth pathways, balancing career & personal life, and quality IEEE conference organization.

Industry-Academia Engagement

IEEE IAYPC at IEEE Region 10 TENSYMP: Hosted mock interviews & industry sessions with experts from CDAC, IBM, TCS, Microsoft, and academia.

CONFLUENCE 2024 – Largest Industry-Academia Meet (Nov 6, Kochi): Jointly organized by IEEE India Council, InfoPark Kerala, Smart City, Kerala Startup Mission & KMRL. Features keynotes from ISRO Chairman Dr. S. Somanath, Google DeepMind's Dr. Dileep George, and Infosys Co-founder S.D. Shibulal. Includes panel discussions, startup expos, PhD conclave, and workshops on AI, cybersecurity, quantum computing, and robotics.

B.4 Life Member Affinity Group (Vice-Chair: Er. Koruthu P Varughese)

Webinars & Workshops

- **Monthly Webinar Series:** Hosted insightful sessions, including *Artificial Intelligence Horizons* by Er. P.G. Muralidharan on 25 January 2024.
- **First Aid & Life Sciences Workshops:**

- 2 August 2024 – Conducted at Barton Hill Govt. College of Engineering, Trivandrum, in collaboration with SCTIMST, providing hands-on training to students and faculty.
- 24 August 2024 – Organized at Muthoot Institute of Technology and Science, Cochin, during *Yearly Engineering Students Summit 2024 (YESS24)*, featuring an exhibition of biomedical devices by SCTIMST & EMBS Kerala Chapter. Over 3,000 visitors attended.

National & International Engagements

- **IEEE SYWL Congress (Tokyo, Japan):**
  - LMAG IC Chair presented the 2024 activity report, earning recognition from IEEE Region 10 & LMAG leadership for outstanding performance.
  - LMAG IC received an award for conducting over six technical programs in 2024.
  - Mr. Asthana delivered a talk on Life Member Committee (LMC).
- **IEEE R10 Annual Meeting** (27–29 September 2024, New Delhi): Participated in discussions on advancing research for societal benefits.
- **IEEE LMAG Talk** (28 September 2024, NorthCap University, Haryana): Engaged with experts including Dr. Kumar, Mr. Asthana, Mr. Koruthu P. Varughese, and Dr. S.S. Jamuar.

Leadership & Networking Events

- **IEEE Leaders' Meet** (24 September 2024, Cochin): Organized by IEEE India Council, IEEE Kerala Section, and LMAG IC, featuring a networking cruise with IEEE leaders, including Prof. Chun Che (Lance) Fung & Deepak Mathur.
- **Water Metro Trip** (25 September 2024, Kochi): IEEE leaders & ExCom members explored Kochi's sustainable transport initiative.
- **IEEE Day Celebration** (4 October 2024, Mohandas College of Engineering): Inaugurated by Er. Koruthu Varughese, LMAG IC Chair.
- **LMAG IC & LMAG Kerala** Combined Meeting (10 December 2024).
- Technical Talk on Brain-Computer Interface in Healthcare (19 December 2024).
- **Final Report & Talk** (8 December 2024, Japan): LMAG IC Chair presented 2024 activity highlights, reinforcing the group's contributions.
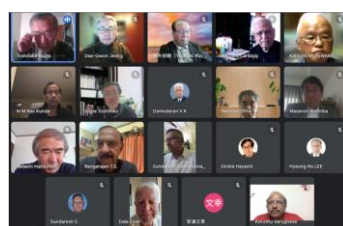
LMAG IC's initiatives in **technical education, leadership networking, and industry-academia collaboration** have significantly contributed to IEEE's mission in 2024.

Classroom Photo with Speakers and IEEE LMs

Photo with Faculty Members of The Northcap University

B.5 Branding and Member Benefits (Vice-Chair: Dr. Lekshminarayana Sadasivuni)

15 June 2024 – India Council Foundation Day

The India Council Foundation Day was celebrated with key IEEE leaders, including Prof. Debabrata Das (Chair, IEEE IC), Dr. S. Lakshminarayana (Vice Chair, Branding & Member Benefits), and Sri Deepak Mathur (Vice-President, IEEE). A Foundation Day Lecture, "Anyone Can Be an Entrepreneur", was delivered by Prof. K.R. Suresh Nair (Past Chair, IEEE IC). Section Chairs highlighted their activities, and the event concluded with remarks from the IC Chair.

3 August 2024 – Panel Discussion on Chapter Best Practices for Section Revitalization

Panelists, including IEEE IC leaders and Section Chairs, discussed strategies for enhancing collaboration between chapters and section teams.

4 September 2024 – IEEE Senior Member Benefits & Recognitions

Prof. Debabrata Das and Dr. Lakshminarayana Sadasivuni emphasized the career advantages of Senior Membership, while Dr. Suresh Nair elaborated on its impact on professional growth.
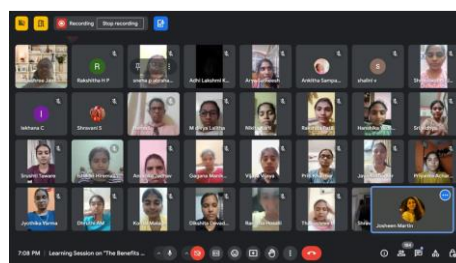
23 September 2024 – "Cross-Culture Volunteers – IEEE Protagonist Model"

This event focused on fostering IEEE's volunteer culture. Prof. Yashwant Gupta (NCRA-TIFR) and K.C. Raveendranathan (Retd. Principal, CET) shared insights on global collaboration and IEEE volunteerism, supported by IEEE IC leadership.

B.6 Membership Development (Vice-Chair: Dr. Rajshree Jain)

Under the leadership of Prof. Debabrata Das and Dr. Rajashree Jain, the MD team focused on member recruitment, retention, and engagement. Key initiatives included:

- MD Track & Booth at major IC events.
- Member Elevation Drives and Fellow Elevation Panels.

- Key Sessions:
    - INDISCON 2024 (Aug 22-24, Chandigarh)
    - MD Outreach with Quest Global Scholars (Sep 10, Online – 207 participants)
    - MD Session with IEEE Vizag Members (Sep 13, Online – 45 participants)
    - TENSYMP 2024 (Sep 27-29, NSUT, Delhi)
    - Aura – Orientation for Freshers (Oct 1, IEEE SB CET – 146 participants)
    - IEEE Student Branch Inauguration (Oct 5, MBU, Tirupati – 60 participants)
    - MD Booth – INCOWOCO 2024 (Nov 13, Symbiosis, Pune – 130 participants)

B.7 Women In Engineering (Vice-Chair: Dr. Sudeshna Choudhury)

1. IEEE WIE International Leadership Summit - Delhi

- Theme: "Resilience and Innovation Navigating a Sustainable Future"
- Date: 11th August 2024
- Venue: India International Center, New Delhi

2. IEEE WIE International Leadership Summit - Chennai

- Theme: "Empowering Women Leaders in a Changing World"
- Date: 03 – 05 October 2024
- Venue: Anna University Guindy Campus

3. PEEIACON 2024 Panel Discussion

- Topic: "Role & Engagement of Women in AI for Academia, Industry, and Entrepreneurship"
- Date: 13th September 2024
- Location: Online, as part of PEEIACON 2024, hosted by RUET, Bangladesh

4. IEEE WIE Hyderabad Event

- Theme: "A Step Beyond BINARY - Let's Break the GLASS CEILINGS"
- Date: 20th July 2024

45 Jaipur Engineering College – WIE Affinity Group Inauguration

- Date: 15th October 2024
- Venue: JECRC, Jaipur

6. IEEE Returning Mothers Conference 2024 Panel Discussion

- Topic: "Reskilling in Technology: Opportunities"
- Date: 15th November 2024
- Venue: Indian Institute of Science, Bangalore

7. Dare to Dream - Episode 8

- Date: 30th November 2024

- Venue: Online (IEEE WIE Kolkata Section)

8. IEEE CALCON 2024 Panel Discussion

- Topic: "Leveraging AI for a Sustainable Future"
- Date: 14th December 2024
- Venue: Jadavpur University, Kolkata

B.8 SAC and YP (Vice-Chair: Mr. Shone Jose)

The **Student Coordination Team** of IEEE India Council launched multiple WhatsApp groups and a dedicated channel for outreach, including the **All-India IEEE GSMs group** with 824 members. A survey was conducted to gather insights into the activities of GSMs, revealing interest in webinars on technical paper writing and grants/scholarships. The team plans to form a **GSM Coordination Team** based on member feedback.

The **IC SCT WhatsApp channel** gained over 4,000 followers as a broader communication platform.

AISYWLC 2024, the flagship **congress for WIE, Students, Life Members, and Young Professionals**, was hosted by IEEE Madras Section on Dec 7th and 8th, 2024, at College of Engineering, Guindy, Anna University, Chennai

Five sections and **eight student branches** in India led the top 10 registration leadership boards for **IEEE Xtreme 18.0**.

B.9 AWARDS ((Vice-Chair: Dr. Sudip Misra)

IEEE India Council Awards Ceremony was conducted on the sidelines of INDICON 2024 on 20th of December 2024 at a glittering ceremony on the sidelines of INDICON 2024 held at IIT Kharagpur. Following are the India Council awardees for the year 2024:

Life Time Achievement Award – 2024

- Council Chair Category: **Dr. K R Suresh Nair, Kerala Section**
- Section/Sub-section Chair category: **Dr. Mini Ulanat, Kerala Section: Prof. Sujit K. Biswas, Kolkata Section**

Powergrid – IEEE India Council Excellence Awards

- Young Engineer: **Dr. Deepak Reddy Pulaguram,**
- Senior Engineer: **Dr. Bhim Singh, Dr. Devaprasad Paul**

Award	Recipients
Technologist of the Year	Swades De, Section: Delhi Section Madhan Raj Kanagarathinam, Section: Bangalore Section Aloknath De, Section: Bangalore Section
Woman Technologist of the Year	Priya A K, Section: Madras Section Dr Divya Agrawal Section: Delhi Section
Technology Start-up Award	Sanket Goel, Section: Hyderabad Section
Outstanding Emerging Student Branch Award	Indian Institute of Information Technology, Bhopal Section: Madhya Pradesh Section
Outstanding Student Branch Award	National Institute Of Technology Calicut Section: Kerala Section VNR Vignana Jyothi Inst of Engineering & Technology Section: Hyderabad Section Pune Institute of Computer Technology (PICT) Section: Pune Section Netaji Subhas University Of Technology Section: Delhi Section Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior, Section: Madhya Pradesh Section Karunya Institute of Technology and Sciences Section: Madras Section Silver Oak University IEEE Student Branch Section: Gujarat Section Nitte Meenakshi Institute of technology Section: Bangalore Section
Outstanding Student Volunteer Awards	Aakashjit Bhattacharya Section: Kharagpur Secton Akash S Section: Madras Rakshit Jain Section: Pune B Vamsha Vardhan Reddy Section: Hyderabad Muhammed Sinan A K Section: Kerala Suhas Hatti Section: Bangalore Shubhranshu Shekhar Dash Section: Uttar Pradesh Hema Sree Swarna Section: Vizag Saurabh Yadav, Section: Madhya Pradesh Mausiki Kala Section: Kolkatta Jaydip Babubhai Changani Section: Gujarat
Outstanding Volunteer Awards	Bijaya Ketan Panigrahi Section: Delhi
Outstanding WiE Professional Volunteer Award	Abhisha Garg Section: Uttar Pradesh
Outstanding WiE Student Volunteer Award	Saanch Sapra Section: Delhi Aiswarya T S Section: Madras
Outstanding YP Volunteer Awards	Indhumathi Gunasekaran Section: Madras Gaurav Pathak Section: Delhi Section

PART C - OTHERS

C.1 Special Events

- **PAN India Hackathon**
  - Domains: Innovation in Transportation, Computer Vision, Open Innovation, Healthcare Advancement
  - This large-scale event fostered student innovation and problem-solving skills. Participants worked on real-world challenges, developing solutions with mentorship from industry experts. Funding was pooled from IEEE societies and external sponsors.
  - Attendees: 500+ students, with winners receiving recognition and support for further development.
- **Student Coordination Decennial Year Celebrations**
  - Date: April 16, 2024 (Online)
  - The virtual celebration marked ten years of student coordination, highlighting achievements and future goals. Interactive sessions and contests were held, engaging students from across India. The Council provided technical and financial support to ensure broad participation.
  - Attendees: 400+ student members.
- **IEEE YESS (Yearly Engineering Students Summit)**
  - Date: August 24, 2024
  - This landmark event brought together over 5000 student engineers for a day of innovation and networking. Key highlights included a GenAI Fashion Show supported by IEEE CS, live drone workshops, and a Datathon using IEEE Dataport. Panel discussions on Diversity, Equity, and Inclusivity were held, with active involvement from IEEE societies.
- **Professional Activities Seminar**
  - Topic: Higher Education Opportunities (IISc, IITs, NITs, IIITs) via GATE
  - Date: April 7, 2024
  - Speakers: Prof. T Venkatesh, IIT-G, and Prof. Sameer S M, NIT-C
  - This session offered strategic insights into preparing for GATE and higher education pathways. Speakers shared tips and resources to navigate the competitive exams and excel in prestigious institutions. The Council supported the event with funding and promotional efforts.
  - Attendees: 350 students.
- **Council Support**: India Council provides financial support to all major activities in India Council as per earmarked budgets. All activities are oriented towards technical development and skill development in students and in up-coming leaders.
- **Volunteer Training and New Initiatives**
  - The Council conducted training sessions to empower volunteers, focusing on leadership and event management. The student Activities Committee spearheaded these initiatives among students. New initiatives for professional members like **the three month long Professional Mentorship Program**, and the

16

Entrepreneurship Talk Series which showcased 6 talks on various areas related to transforming research to Entrepreneurship were launched to support interdisciplinary projects and humanitarian efforts.

- Enhanced volunteer engagement and the successful execution of high- impact activities.

o **Best Practices for Section Revitalization**
- Speakers: Dr. SameerS M, Dr. Debabrata Das, and Dr. Shivaji Chakravorti
- This session shared successful strategies for revitalizing inactive sections, with a focus on community engagement and volunteer training. The speakers presented case studies and engaged attendees in discussions about replicating these practices.
- Attendees: 80+ IEEE volunteers and section leaders.

o **IEEE Foundation Day Lecture**
- Speaker: Dr. Suresh Nair
- The lecture commemorated IEEE Foundation Day, highlighting advancements in technology and IEEE's contributions to global innovation. Dr. Nair shared insights from his career and discussed the future of engineering. The event included interactive sessions and networking opportunities.
- Attendees: 150 professionals and students, funded by the Council.

o **Robotics Competition**
- This national-level competition attracted teams from across India to showcase their robotic innovations. Participants competed in various challenges, applying concepts from AI, machine learning, and mechanical engineering. The Council provided funding for prizes and event logistics, partnering with local sponsors for additional support.
- Attendees: 50+ teams, with significant participation from student chapters.

o **Entrepreneurship Talk Series of 6 talks**
- Highlight Session: "Transforming Healthcare Research to Entrepreneurship" by Dr. Amit Mehndiratta
- Date: May 23, 2024
  - Dr. Mehndiratta discussed the journey of transforming research outcomes into viable healthcare startups. He provided guidance on navigating the entrepreneurial landscape and securing funding. The session was interactive, with Q&A segments that fostered meaningful discussions.
  - Attendees: 120 budding entrepreneurs and professionals, with support from the Council and healthcare industry partners.

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

- **IEEE IC-IETE MoU**: The collaboration focuses on knowledge exchange, with plans to co-host technical symposia and seminars benefiting both communities.
- **MoU with CDAC** in the Pipeline: This strategic agreement aims to promote research and development, and contributing to the professional growth of members.

17

C.3 Support extended to Sub-sections & Society Chapters within the Council

- The India Council Flagship Conference for Subsection is INDISCON 2024 and was organized in the year 2024 in Chandigarh Subsection and in 2025 it will be organized in Rourkela Subsection in August 2025.
- Organized technical workshops, seminars, and summits in collaboration with sections.
- Provided mentorship for organizing IEEE conferences and supports conference approvals.
- Conducted membership drives and promotional activities to increase IEEE membership.
- Encouraged the formation of new section (IEEE Bhubaneswar Section), some student branches, and affinity groups.
- Supported networking opportunities through IEEE events like All India Student-Young Professional-WIE-Life Member (AISYWLC) Congress.
- Guided sections in governance, compliance, and best practices for effective functioning.
- Facilitated coordination between IEEE MGA, R10, and local sections for smooth operations.
- Supported leadership development through training programs for section and subsection officers.

C.4 Best Practices of your Council (which you would like to share with other Sections/Councils for the benefits of members)

- **Sub-Committees to Support Vice Chairs**
  - o Dedicated sub-committees assist Vice Chairs in executing strategic initiatives efficiently while fostering leadership development and inter-sectional collaboration.
- **Chair-Elect Election via vTools**
  - o The election of the Chair-Elect is conducted transparently using IEEE vTools, ensuring fairness, accessibility, and alignment with IEEE governance principles.
- **Flagship Events for Sections & Subsections**
  - o Each Section and Subsection is encouraged to host signature events, promoting technical advancements, professional networking, and IEEE branding at a regional level.
- **Outreach Activities at Diverse Locations**
  - o Hackathons, Congresses, and IC Meetings are conducted across different locations, ensuring wider participation and engagement from all IEEE members in India.
- **Annual All India Congress for Students, WIE, YP & LM**
  - o This nationwide gathering facilitates leadership development, networking, and collaboration across various IEEE affinity groups.
- **Industry Awards**
  - o Recognizing outstanding contributions from industry professionals, these awards strengthen IEEE's ties with the corporate sector and encourage impactful innovations.

18

- **Lifetime Recognition for Past Chairs**
  - Former IEEE India Council and Section Chairs receive Lifetime Achievement Awards, honoring their leadership and long-term contributions.
- **Volunteer Recognition Awards**
  - Exceptional IEEE volunteers are recognized across different categories, fostering motivation and a strong culture of service within IEEE.
- **Entrepreneurship Support Through VC Engagement**
  - IEEE facilitates entrepreneurship programs, offering mentorship and funding opportunities through venture capital collaborations.
- **Ethical Practices Oversight**
  - A dedicated committee ensures IEEE's ethical standards are upheld, promoting integrity and professionalism in all activities.
- **Bylaws Amendments Aligned with MGA Guidelines**
  - Ongoing updates to IEEE India Council's bylaws ensure compliance with IEEE MGA policies for improved governance and transparency.
- **Supporting IEEE Milestone Recognitions**
  - A specialized committee assists Sections in identifying and securing IEEE Milestone recognitions, highlighting India's contributions to technology.
- **MOVE India Project for Humanitarian Technology**
  - Under IEEE HTA, MOVE India focuses on disaster relief and community-driven initiatives, leveraging technology for social impact.

C.5 Problems anticipated and suggestions for solutions, if any

- **Volunteer Fatigue & Leadership Continuity**
  - *Issue:* Over-reliance on a few active volunteers.
  - *Solution:* Structured succession planning & leadership training.
- **Financial & Sponsorship Challenges**
  - *Issue:* Difficulty in securing industry funding.
  - *Solution:* Strengthen industry engagement & explore CSR collaborations.
- **Membership Retention & Engagement**
  - *Issue:* Declining retention rates, especially among professionals.
  - *Solution:* Focus on industry-relevant benefits & career development programs.
- **Event Quality vs. Quantity**
  - *Issue:* Too many events with limited impact.
  - *Solution:* Prioritize high-quality, collaborative, and need-based programs.
- **Inter-Section Coordination & Communication Gaps**
  - *Issue:* Lack of synergy between sections.
  - *Solution:* Regular India Council forums for best practice sharing.

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans
- **Strengthening Inter-Section Collaborations**

- Continue fostering joint events between sections & subsections for better resource utilization.
- Encourage best practice sharing through structured forums & leadership meetups.

- **Industry Engagement Expansion**
  - Strengthen IEEE Industry Forum to bridge the gap between academia and industry.
  - Develop focused industry-led technical workshops and mentorship programs.

- **Enhanced Digital Presence & Outreach**
  - Improve IEEE India Council's digital platforms for better member engagement.

- **Humanitarian Technology Projects**
  - Scale up IEEE SIGHT projects with measurable impact, targeting rural tech solutions.
  - Encourage industry-funded CSR projects for long-term sustainability.

D.2   Goals and Future Plans

1. **Building IEEE as the First Choice for Professionals**
   - Introduce exclusive benefits for professional members, including career assistance, certifications, and networking opportunities.
   - Collaborate with tech startups and corporate partners to offer real-world projects.
2. **Student to Young Professional (YP) Transition Support**
   - Develop structured transition programs to retain student members post-graduation.
   - Launch an "IEEE Career Bridge" initiative connecting final-year students with alumni mentors.
3. **Decentralized Decision-Making & Greater Volunteer Empowerment**
   - Promote leadership development programs to encourage more volunteers to step up.
4. **IEEE India Council Flagship Event Expansion**
   - Enhance **INDICON** & other flagship events with international collaborations.

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

- **IEEE Member Privilege Program**
  - Introduce a **tiered membership rewards system**, where active members get discounts on IEEE events, access to exclusive content, and industry perks.
  - Partner with companies to provide IEEE members with benefits like free cloud credits, software tools, or research paper access.
- **Hyperlocal Networking & Engagement**
  - Launch city-based IEEE networking hubs for professionals who can't attend traditional section events.
- **Tech for Social Good Challenge**
  - A nationwide competition encouraging IEEE members to develop impactful, technology-driven social solutions.
  - Winning projects get incubation support, funding, and IEEE-wide recognition.

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

- **Industry & Startup Engagement for Sponsorship**
    - Establish **long-term partnerships with tech companies** to fund IEEE initiatives.
    - Offer corporate registration discount for companies to engage with IEEE talent and research.
- **Efficient Fund Utilization & Financial Planning**
    - Implement methods to ensure continuous funding for impactful projects.
    - Encourage sections to create financial reserves for independent sustainability.
- **Leveraging IEEE Foundation & External Grants**
    - Actively seek IEEE Foundation support for large-scale initiatives.
    - Guide sections in applying for external grants from government and private bodies

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