

# The Institution of Engineers (India)

TAMIL NADU STATE CENTRE



# BULLETIN



**Prof.Dr.D.ELANGO,FIE**  
Chairman

**Dr.J.BALAMURUGAN,FIE**  
Honorary Secretary

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*From the Chairman's Desk.....*



Dear Fellow Engineers,

Warm greetings to all members of IE(I) Tamil Nadu State Centre.

Engineering continues to play a vital role in shaping sustainable development and technological advancement. In today's rapidly evolving world, engineers must adopt innovative approaches, interdisciplinary collaboration, and responsible practices to address the challenges related to infrastructure, environment, energy, and digital transformation. Our Institution remains committed to promoting technical excellence, professional development, and knowledge sharing among engineers.

The Tamil Nadu State Centre continues to organize technical lectures, seminars, student activities, and professional development programmes to strengthen the engineering community.

I am pleased to note the active participation of our members and students in various initiatives that foster innovation, research, and skill development among young engineers.

Let us continue to uphold the values of professionalism, ethics, and service that define our esteemed Institution.

I also request all current Corporate Members to complete the "Know Your Membership (KYM)" form to help us update and maintain an accurate membership database. Your cooperation is vital for ensuring seamless communication and effective delivery of member benefits. The completed form may be submitted in person at the IE(I) Tamil Nadu State Centre office or sent via email to [ieitamilnadu@gmail.com](mailto:ieitamilnadu@gmail.com) or [tncs@ieindia.org](mailto:tncs@ieindia.org).

Let us work together to further strengthen our professional community and contribute meaningfully to the nation's progress.

With warm regards,

**Prof.Dr.D.ELANGO, FIE.,**  
Chairman, IE(I) TNSC



Dear Engineers and Esteemed Colleagues,

Established in 1920, The Institution of Engineers (India) [IEI] is one of the largest and most respected professional engineering bodies in the country. Though its headquarters was later shifted to Kolkata, its historical roots trace back to Tamil Nadu. Today, with more than 124 centres across India, IEI provides a strong platform for engineers to collaborate, innovate, and contribute meaningfully to national development.

Tamil Nadu holds a significant place in the history of IEI, with 16 active Local Centres supporting professional development, technical learning, and industrial progress. These centres work closely with major industrial establishments such as NLCIL, BHEL, TNEB (TTPS, MTPS, NCTPS), Vazhuthur, and Kalpakkam, helping strengthen the link between engineering education, research, and industry.

Tamil Nadu produces a large number of engineering graduates every year, contributing nearly 17% of India's engineering workforce. However, despite this strong capacity, thousands of engineering seats remain vacant each year. This highlights the need to harness the vast talent pool available in the state and guide it toward innovation, entrepreneurship, and nation-building.

Engineering plays a vital role in economic development through the establishment of MSMEs and large industries, employment generation, innovation-driven entrepreneurship, and sustainable Infrastructure creation. As Tamil Nadu moves toward

its vision of becoming a one-trillion-dollar economy, engineers must actively contribute to emerging sectors such as renewable energy, energy storage systems, advanced manufacturing, semiconductors, IoT platforms, and waste-to energy technologies.

To strengthen the engineering community, IEI encourages engineers to enroll under various professional grades such as AMIE, MIE, SMIE, and FIE and actively participate in knowledge sharing, professional networking, and technical collaboration initiatives.

In the coming phase, the 16 Local Centres of IEI in Tamil Nadu will be strategically mapped with engineering colleges and industrial establishments within their respective regions. This coordinated effort will promote wider IEI membership, enhance industry-academia collaboration, and build a vibrant engineering ecosystem.

We invite all engineers to join hands with IEI in promoting engineering excellence, supporting innovation, encouraging entrepreneurship, and contributing to national development.

When engineers unite, infrastructure strengthens.  
When infrastructure strengthens, the economy grows.  
When the economy grows, the nation prospers.

Let us move forward together.

Join our WhatsApp Channel for more information  
<https://whatsapp.com/channel/0029VbC45KHJpe8iyqJ2Ap0C>

Visit our website : [ieitnsc.org](http://ieitnsc.org)

**Dr.J.Balamurugan,FIE**  
Honorary Secretary, IE(I) TNSC

**One Day Workshop on  
“An Interdisciplinary Approach to Achieving a Self-Reliant Curriculum and Environmental Sustainability through Education”  
13<sup>th</sup> December 2025**

The Institution of Engineers (India), IEI Tamil Nadu State Centre in association with Shiksha Sanskriti Utthan Niyas, New Delhi, organized a **One Day Workshop on “An Interdisciplinary Approach to**

**Achieving a Self-Reliant Curriculum and Environmental Sustainability through Education”** on 13<sup>th</sup> December 2025 (Saturday) at 10.00 a.m. at the IE(I) TNSC Auditorium, Chepauk, Chennai.

The workshop aimed to highlight the importance of interdisciplinary learning, curriculum innovation, traditional knowledge systems, and environmental sustainability in education, in line with the vision of self-reliant India and the National Education Policy (NEP) 2020.

The programme commenced with an invocation followed by the ceremonial lighting of the lamp by the dignitaries. **Prof. Dr. D. Elango, FIE**, Chairman, IE(I) TNSC, delivered the welcome address and highlighted the vital role of educational institutions in promoting innovation, sustainability, and indigenous knowledge. Dignitaries were honoured with shawls as a mark of respect and appreciation.

Several eminent academicians and experts delivered insightful lectures during the workshop:

**Shri A. Vinod**, National Coordinator, Character Building Education, Shiksha Sanskriti Utthan Nyas, New Delhi, delivered a talk on “Atma Nirbhar Bharat through Education”, emphasizing the importance of value-based and skill-oriented education for national progress.



Prof. Dr. D. Elango, FIE, Chairman, IE(I) TNSC honoured the Chief Guest Shri A. Vinod, National Coordinator, Character Building Education, Shiksha Sanskriti Utthan Nyas, New Delhi.

**Dr. Kishor Kumar Tripathy**, Member Secretary, AuroBharati, Sri Aurobindo Society, Puducherry, spoke on “Environmental Sustainability and Traditional Knowledge Systems”, highlighting the integration of Indian Knowledge Systems (IKS) into modern education.

**Dr. P. Parthipan**, Professor and Head, Department of Production Engineering, National Institute of Technology, Tiruchirappalli, delivered a lecture on “Institutional Accreditation and Quality Parameters”, explaining the importance of quality standards and

accreditation processes in higher education institutions.

**Dr. Velmurugan P. S.**, Assistant Professor, Department of Computer Science and Engineering, National Institute of Technology, Puducherry, spoke on “Introducing Skill-Based and Vocational Education in the Curriculum Aligning with NEP 2020.”

**Dr. Praveen R.** presented his views on “Research, Innovation and Technology Development for National Resurgence”, stressing the role of research and technological advancement in strengthening the nation.

**Dr. Santhosh Kumar M.**, National Coordinator, Shiksha Sanskriti Utthan Nyas and Member of the National Monitoring Committee on Minorities Education, Ministry of Education, Government of India, spoke on “Promotion of Indian Knowledge Systems in Teaching, Learning and Research.”

The workshop witnessed active participation from academicians, researchers, students, and professionals from various institutions. The interactive sessions enabled participants to exchange ideas and explore strategies for strengthening education through interdisciplinary approaches, research, innovation, and sustainable practices. Certificates were distributed to all the participants in recognition of their active participation in the workshop.



Certificate distribution to participants

The programme was coordinated by **Dr. A. Vinothkumar, MIE**, with **Dr. P. Selvaraju** as Organising Secretary and **Dr. T. Ramachandran** and **Dr. N. Hema** as Coordinators. The event concluded with a vote of thanks proposed by **Dr. J. Balamurugan, FIE, Honorary Secretary, IE(I) TNSC** and he expressed his gratitude to the speakers, organizers, and participants for their valuable contributions to the success of the workshop.

## Energy Conservation Week

13<sup>th</sup> - 19<sup>th</sup> December 2025

The Institution of Engineers (India), Tamil Nadu State Centre organized **Energy Conservation Week 2025** from 13<sup>th</sup> to 19<sup>th</sup> December 2025 with the objective of promoting responsible energy usage and creating awareness on sustainable engineering practices among students and professionals.

As part of the celebration, a **One Day Workshop on “Energy Conservation Importance and Climatic Change Impact”** was conducted on **19<sup>th</sup> December 2025** at the IE(I) TNSC Auditorium, Chennai. The programme highlighted by conducting various competitions to Engineering Student, Pitch Presentation, Guest Lecture and Debate.

The event focused on various interdisciplinary engineering domains including green buildings and sustainable materials in civil engineering, waste heat recovery and clean mobility in mechanical engineering, smart grids and renewable energy in electrical engineering, green hydrogen and biomass energy in chemical engineering, and AI-based energy optimization in computer science and IT. Discussions also covered IoT-based energy savings, sustainable aviation fuels, green shipping technologies, solar-powered agriculture, and waste-to-energy solutions, demonstrating the broad role of engineering in achieving sustainable development.

To encourage student participation and raise awareness, several competitions were organized for college students, including a drawing competition, poster presentation, exhibition, pitch presentation, and a debate on themes related to energy conservation and sustainability.

Students from Saveetha Engineering College and Dr. M.G.R. Educational and Research Institute were participated in the competition.



**Dr. L. Ramesh**, President of the Institution of Green Engineers and Joint Registrar at Dr. MGR Educational and Research Institute, and **Er. Ganesh Jayaraj**, Committee Member, IE(I) TNSC, served as the jury for the competition.

### SDG4ENERGY – Youth Pitch Presentation

The Institution of Engineers (India), Tamil Nadu State Centre successfully organized the **SDG4ENERGY – Youth Pitch Presentation** as part of the celebrations for Energy Conservation Day.



The event served as a dynamic platform for enthusiastic students from Dr. M.G.R. Educational and Research Institute presented innovative ideas aligned with the United Nations Sustainable Development Goals, with a special focus on energy conservation, clean energy, and climate action.

The session was effectively moderated by **Dr. E. Kavitha, Dean of Dr. M.G.R. Educational and Research Institute**, who inspired and guided the young participants throughout the program. The youth pitch presentations reflected remarkable creativity, technical insight, and a strong sense of social responsibility, highlighting the crucial role of young minds in advancing sustainable energy solutions.

### “Energy-Linked SDGs Dialogues

The Institution of Engineers (India), Tamil Nadu State Centre, will organize a special programme to mark National Energy Conservation Day titled **“Energy-Linked SDGs Dialogues: Energy Action as the Engine of the 17 SDGs – Empowering Youth to Lead Change.”**

**Dr. R. Zahira**, Associate Professor, B.S. Abdur Rahman Crescent Institute of Science and Technology, and **Dr. T. Anuradha**, Professor and Head of the Department of Electrical and Electronics Engineering, KCG College of Technology, as keynote speakers.

The session was moderated by **Dr. L. Ramesh, President of the Institution of Green Engineers and Joint Registrar at Dr. MGR Educational and Research Institute.**



The event aims to encourage youth participation in sustainable energy practices and highlight the role of energy action in achieving the 17 Sustainable Development Goals.

### DEBATE

A debate on **“Energy Conservation – A Possible, Realistic, Achievable, Practical Goal”** versus **“An Impossible, Idealistic, Non-Achievable, Impractical Goal”** by Igniting Young Indian Minds.



The debate featured two teams presenting contrasting perspectives. The team supporting energy conservation as a realistic and achievable goal included **Dr. V. S. Sriraja Balaguru, Er. M. Ezhilarasi AEE/TNEB, and Er. S. Karthick, AE/TNEB**, who discussed renewable energy targets, emerging technologies, and practical approaches for domestic, commercial, agricultural, and industrial sectors.

Opposing speakers **Dr. A. Durgadevi AEE/TNEB, Er. Ganesh Jayaraj and Er. R.K. Manimozhi Bharathi Data Analyst** argued that energy conservation remains largely idealistic due to unclear policy frameworks and implementation challenges across sectors.

Moderated by **Er. R. Kannan, Executive Engineer, TANTRANSKO** the debate highlighted initiatives by electricity distribution companies to promote efficient energy use. The session provided a balanced and thought-provoking discussion, encouraging young minds to critically examine India’s energy conservation goals and implementation challenges.



The programme received enthusiastic participation from students, faculty members, and engineering professionals, making the event a meaningful initiative towards promoting energy conservation awareness and sustainable engineering practices.



The prize winners' lists are as follows:

**Project Exhibition:**

- 1st Place: Dharshan K and Yuvanesh Kumar J
- 2nd Place: Abirami B, Swetha S, and Josne R. D
- 3rd Place: Hari L, Dinesh S, and Meiyappan S

**Pitch Presentation:**

- 1st Place: Jai Janani Priyadarshini G, Nishalishree R, and Varunisha R

**Drawing Competition:**

- 1st Place: Solai Nachiyar M. S
- 2nd Place: Mager Janu M. M
- 3rd Place: Roshni A

The winners were awarded during the Founders' Day Celebration held on 22<sup>nd</sup> December 2025.

**Dr. J. Balamurugan**, Honorary Secretary, delivered the vote of thanks. He expressed his sincere gratitude to all the guest speakers for their valuable insights and informative presentations. He also thanked the Chairman and Committee Members of the Centre for their constant support in organizing the programme. He conveyed his appreciation to all the participants for their active participation and interaction, which contributed to the success of the event.

**PONGAL CELEBRATION**  
13<sup>th</sup> January 2026

The traditional harvest festival Pongal was celebrated with great enthusiasm at the premises of the Institution of Engineers (India) Tamil Nadu State Centre on 13<sup>th</sup> January 2026. The celebration brought together members to observe the rich cultural heritage of Tamil Nadu.



The programme began with the traditional preparation of Pongal in decorated clay pots arranged in front of the centre premises. The pots were beautifully adorned with turmeric plants, sugarcane, and flowers, symbolizing prosperity and gratitude for a bountiful harvest.

Chairman, Honorary Secretary and members actively participated in the ceremony by lighting the firewood

stove, preparing the sweet Pongal, and offering prayers for prosperity and well-being.

The celebration not only reflected the spirit of the harvest festival but also strengthened the sense of community and cultural bonding among members of the Institution.

## Know Your Member (KYM)

Dear Corporate Members,

We request all Corporate Members to kindly complete the **Know Your Membership (KYM)** form to enable us to update and maintain an accurate and comprehensive membership database.

The KYM form is available on the IE(I) website: [www.ieindia.org](http://www.ieindia.org).

Your cooperation in this matter is essential to ensure seamless communication and uninterrupted access to member services and benefits.

After duly completing the form, you are requested to submit it by email to [datamemb@ieindia.org](mailto:datamemb@ieindia.org) / [ieitamilnadu@gmail.com](mailto:ieitamilnadu@gmail.com) or [tncs@ieindia.org](mailto:tncs@ieindia.org)

We look forward to your prompt support and cooperation.

## Forthcoming Events

20 <sup>th</sup> March 2026	World Engineering Day for Sustainable Development	06.00 pm	TNSC Auditorium
23 <sup>rd</sup> March 2026	World Water Day	06.00 pm	TNSC Auditorium



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*Bulletin*

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