



The Institution of Engineers (India)

TAMILNADU STATE CENTRE

BULLETIN



Dr. V. KARTHIKEYAN, FIE.
Chairman

Er.D.GOKUL,MIE
Honorary Secretary

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August 2025

From the Chairman's Desk.....



Dear Fellow Engineers,

I am happy to reconnect with all of you through this latest news bulletin.

The Institution of Engineers (India), Tamil Nadu State Centre, successfully organized the 39th National Convention of Environmental Engineers on the theme National Seminar on "Digital World for Sustainable Development" on 22nd and 23rd August 2025 at the ROSETTE Convention Centre, Anna University, Chennai.

The convention was inaugurated by Er. V. B. Singh, President, IE(I), Kolkata, who emphasized the significance of integrating digital advancements with sustainable environmental practices.

The two-day event featured Invited Lectures and Memorial Lectures and witnessed enthusiastic participation from eminent academicians, researchers, industry professionals, and students from across the country. It included a series of technical sessions, keynote addresses, and panel discussions that highlighted innovative strategies, research findings, and best practices in environmental engineering and sustainability.

A key highlight of the convention was the presentation of more than 100 research papers across eight thematic areas by researchers and students. These sessions served as a vibrant platform for knowledge exchange and collaborative learning, reaffirming IEI's commitment to advancing sustainable engineering practices in support of national development.

I sincerely thank Er. Jagdish Chand Singhal and Er. Sanjay Sen (Members, ENDB), Er. S. Loganathan and Dr. D. Elango (Organising Secretaries), Er. N. Senthilkumar (Convenor), Er. D. Gokul (Honorary Secretary), Dr. G. L. Sathyamoorthy (Technical Committee Chairman), Dr. R. Arulmozhi (Anna University), Er.R.Ayanar, Dr R. Vijayakumar ,Er.S. Natarajan, Er.I.Michael Raj, Dr.F.Antony, Dr.J.Balamurugan, Er. R. Ramdoss (Past Chairman), Dr. R. Venkatesan (Council Member) and all council and committee members for their dedicated efforts and excellent coordination, which ensured the grand success of this event.

As Chairman of the Environmental Engineering Division Board of The Institution of Engineers (India), I feel extremely proud and privileged to have organized such a prestigious convention, which stands as a milestone in promoting sustainability and digital innovation for national development.

The Institution of Engineers (India), Tamilnadu State Centre, is celebrating the 58th Engineers' Day on the theme "Deep Tech & Engineering Excellence: Driving India's Techade."

IEI TNSC has instituted 'SRI VALLIAPPA EMINENT ENGINEER AWARD FOR BEST PRACTISING ENGINEER IN TAMILNADU every year to honour his excellent services rendered to the technical education and industry for more than 67 years.

IEI TNSC is pleased to invite nominations for the "IEI TNSC Engineers' Day Award – 2025." Nomination forms are available on the website: www.ieitnsc.org

I request all current corporate members to complete the "Know Your Membership (KYM)" form to assist us

in updating and maintaining an accurate database. Your cooperation in this matter is vital for ensuring seamless communication and access to member benefits. Once completed, please submit the form to the IE(I) Tamil Nadu State Centre office in person, or email it to ieitamilnadu@gmail.com or tncs@ieindia.org.

Dr.V.Karthikeyan,FIE.,
Chairman, IE(I) TNSC
Chairman, ENDB IE(I)

From the Hon.Secretary's Desk.....



Dear Corporate Members,

It is my pleasure indeed to meet all of you through our News Bulletin.

The Institution of Engineers (India) Tamil Nadu State Centre organised the All India Workshop on Energy Sphere : IoT-Powered Smart Grids for Sustainable Cities and Green Power in association with B.S. Abdur Rahman Crescent Institute of Science & Technology held on 29th & 30th August 2025 at Seminar Hall, B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai. Mr APJMJ Sheik Dawood, Co-founder, Dr.APJ Abdul Kalam International Foundation, Rameshwaram was the chief guest and inaugurated the workshop.

All the meetings are available in our IEI TNSC You Tube Channel. I request all our corporate members to visit our IEI TNSC You Tube Channel and SUBSCRIBE for further notification of technical events and kindly visit our website (ieitnsc.org) for more information.

Thank you all for your continuous support and participation. I look forward to our continued journey of growth and success together.

I appeal all corporate members to introduce IEI to all non members of IEI to avail the membership and get the benefits of our centenary year institution.

Er. D. Gokul, MIE
Honorary Secretary
IE(I) TNSC

**All India Workshop on "AIoT Powered Smart Cities :
Enhancing Connectivity and Sustainability"
7 & 8 August 2025**

The Institution of Engineers (India) Tamilnadu State Centre organized the "All India Workshop on "AIoT Powered Smart Cities: Enhancing Connectivity and Sustainability" under the aegis of Electronics and Communication Engineering Division in association with Department of ECE, Vel Tech Ranagarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Tamil Nadu on 7th & 8th August 2025 at VelTech College, Chennai.



Dignitaries lighting the lamp



Release of Souvenir

The event commenced with the auspicious Tamizhthaai Vazhthu, followed by the lighting of the Kuthu Vilakku by dignitaries. Dr. Priyanka Gokil, Associate Professor, IIITDM Kancheepuram was the Chief Guest and presided over the inauguration of the workshop.

Dr.R.S.Valarmathi, Professor and Head, Dept. of ECE, & Dean SoEC, VelTech delivered the welcome address. Souvenir was released by the dignitaries. Dignitaries were honoured with shawl and bouquet.

Dr. Priyanka Gokil, Associate Professor, IIITDM Kancheepuram gave an inspiring thought

- Leveraging AIoT technologies for seamless urban connectivity.
- Integrating IoT-driven data eco systems with AI-based analytics to optimize city services.
- Sustainable solutions in energy management, smart transportation, healthcare, and infrastructure.
- The role of AIoT in creating resilient, citizen-centric smart cities that align with global sustainability goals.

The workshop concluded with a Vote of Thanks delivered by Er D Gokul, Honorary Secretary, IE(I) TNSC.

After the Inaugural Session, Dr.Priyanka Gokil, Associate Professor, IIITDM Kancheepuram delivered the keynote address on the topic “AI for Sustainable Smart Cities – A focus on Eye Health using Fund us Images”. In the new concept of sustainable smart cities, healthcare is not just a supporting pillar; it is a

core part of the city. Biomedical engineering is very important for developing health-resilient, sustainable urban ecosystems since it has come up with new ways to make medical imaging and diagnostic gadgets. One of the new areas of focus is ophthalmic health, especially the early diagnosis of eye ailments using retinal fund us imaging. These images are a potent, non-invasive way to look at not only vision-related problems but also systemic diseases like diabetes and high blood pressure.

Dr. B. Ezhilavan, Founder and Director, VEI Technologies, Chennai delivered on the theme “AIoT-Powered Smart Cities: Enhancing Connectivity & Sustainability”. AIoT (Artificial Intelligence + Internet of Things) merges intelligent decision-making with real-time data collection. In smart cities, this fusion plays a vital role in transforming urban life. Environmental sensors track pollution and water quality, triggering alerts and responses as needed. AIoT powers electric vehicle (EV) infrastructure, smart public transit systems, and traffic decongestion strategies. By leveraging AIoT, smart cities become more intelligent, responsive, and sustainable, ensuring better quality of life for citizens while preserving natural resources.

After the invited talk students from various institutions presented the paper on the sub themes.

On day 2 , 8th August 2025 the first session was delivered by Dr. P. Shobana Pritha, Technical Manager& Human Resources, VEI Technologies, Chennai, delivered on the theme “Enabling Smart Cities for Sustainable and Eco-Friendly Smart World”. She narrated the need for AIoT (Artificial Intelligence

of Things) is revolutionizing smart cities by enhancing connectivity and sustainability through the integration of AI and IoT devices. This synergy enables real-time data analysis, intelligent decision making, and optimized resource management, ultimately leading to more efficient and sustainable urban environments. By connecting devices and systems, IoT enables real time monitoring and control of energy consumption, optimizing energy usage, and reducing waste. An IoT-enabled agritech system can reduce over-use of fertilizer or pave the way for greener farming, for instance, while adding smart building capabilities.

The workshop was provided participants with practical exposure to cutting-edge tools and technologies that drive the concept of smart urban ecosystems. Participants engaged in interactive demonstrations that's how cased the integration of Artificial Intelligence with the Internet of Things for real - time data collection, processing, and decision-making. Through guided exercises, they explored applications such as intelligent energy management, smart transportation systems, and sensor-enabled environmental monitoring, gaining a clear understanding of how AIoT can be effectively applied to solve real-world urban challenges.

Sessions were handled by Mr.H.Sithick, Developer and Trainer, VEI Technologies, Chennai, Dr.A.Selwin Mich Priyadharson, Professor ,Department of ECE, VelTech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai and Ms.L.V.Sahana, Developer and Trainer, VEI Technologies, Chennai.

In addition to technical demonstrations, the hands-on experience allowed participants to design and simulate simple AIoT-enabled models, reinforcing theoretical concepts with practical application. The sessions emphasized sustainable solutions, encouraging participants to innovate in areas like reducing energy consumption, improving connectivity, and enhancing citizen services. This experiential approach not only strengthened the technical competencies of attendees but also inspired them to contribute towards building resilient, sustainable, and technologically advanced smart cities.

The valedictory session was held on 08th August 2025 at IoT Laboratory, Vel Tech. Dr. A. Selwin Mich Priyadharson, Professor, Dept. of ECE, Vel Tech presented the summary report of the seminar. Certificates were distributed to the participants and presenters. The programme concluded with vote of thanks and National Anthem. Students from various institutions participated in the workshop.

NOTICE
FOR ELECTION FROM DIVISIONS TO THE COMMITTEE OF THE
TAMILNADU STATE CENTRE
For the Sessions 2025-26 & 2026-2027

To
All Corporate Members
Attached to Tamilnadu State Centre

The members of the Committee of Tamilnadu State Centre of The Institution of Engineers (India) shall retire at the ensuing Annual General Meeting of the said Tamilnadu State Centre. It is, therefore, necessary to hold election to fill up the vacancies caused thereby for the sessions 2025-26 & 2026-27 in each Division as follows:

Aerospace Engg Division	: 1	Elect. & Telecom Engg. Division	: 2
Agricultural Engg Division	: 1	Environmental Engg Division	: 1
Architectural Engg Division	: 1	Marine Engg Division	: 1
Chemical Engg Division	: 1	Mechanical Engg Division	: 3
Civil Engg Division	: 3	Metallurgical & Materials Engg Division	: 1
Computer Engg Division	: 1	Mining Engg Division	: 1
Electrical Engg Division	: 2	Production Engg Division	: 1
		Textile Engg Division	: 1

TOTAL NUMBER OF COMMITTEE MEMBERS **21**

Members retiring from the Committee of a Tamilnadu State Centre after completion of six sessions at a stretch in any capacity, or having been elected for consecutive three tenures but not completing full six sessions due to any reason, shall not be eligible for election without giving a break of minimum two sessions.

Interested Corporate Members are hereby called upon to visit www.ieielections.in and submit their self-nominations online. While filling the online proforma, they would also be required to submit updated biodata (2000 characters) and non-refundable earnest money of **₹ 5000/- (Rupees Five Thousand)** online. The last date for online submission of the self-nomination would be **23rd September 2025**.

A member attached to a Division shall be eligible to submit self-nomination for election only in that Division. The earnest money is payable online only.

N.B. The nomination submission procedure (including the remittance) is completely online and the candidates are not required to forward any hard copy for this purpose.

Er K P Ramanathan, FIE

Convener

Board of Scrutineers for Election to the Committee of
Tamilnadu State Centre for the Sessions 2025-26 & 2026-27

Date: 8th September 2025

NOTICE
FOR ELECTION TO THE COUNCIL OF THE
TAMILNADU STATE CENTRE
For the Sessions 2025-26, 2026-27, 2027-28 and 2028-29

To

All Corporate Members attached to Tamilnadu State Centre

In pursuance to the notification issued by the Secretary & Director General of The Institution of Engineers (India) to elect one Corporate Member to the Council from Tamilnadu.State Centre for the Sessions 2025 – 2029 under Bye-Law 4(a)(iii) and Regulation 13, self-nominations are hereby invited from the Corporate Members who are willing to contest in the election to the Council from the Tamilnadu State Centre.

Members laying down from the Council after completion of twelve sessions at a stretch in any capacity, or having been elected for consecutive three tenures but not completing full twelve sessions due to any reason, shall not be eligible for election without giving a break of minimum four sessions.

Interested Corporate Members are hereby called upon to visit www.ieielections.in and submit their self-nominations online. While filling the online proforma, they would also be required to submit updated biodata (2000 characters) and non-refundable earnest money of **₹ 20,000/- (Rupees Twenty Thousand)** online. The last date for online submission of the self-nomination would be **23rd September 2025**. The earnest money is payable online only.

N.B. The nomination submission procedure (including the remittance) is completely online and the candidates are not required to forward any hardcopy for this purpose.

Er K P Ramanathan, FIE

Convener

Board of Scrutineers for Election of one Corporate Member
to the Council from Tamilnadu State Centre for the
Sessions 2025-26, 2026-27, 2027-28 & 2028-29

Date: 8th September 2025

ELECTION TIMETABLE FOR
ELECTION FROM DIVISIONS TO THE COMMITTEE FOR THE SESSION 2025 – 2027 and
ELECTION FROM DIVISIONS TO THE COUNCIL FOR THE SESSION 2025 – 2029

No.	Description	Schedule dates
a	Notification inviting self-nominations along with biodata and non-refundable earnest money of the requisite amount from eligible Corporate Members	8 th September 2025 (Monday)
b	Last date of receipt of nominations along with enclosures	23 rd September 2025 (Tuesday)
c	Scrutiny of nominations and sending Intimation to nominees for withdrawal	25 th September 2025 (Thursday)
d	Last date of withdrawal by nominees	2 nd October 2025 (Thursday)
e	Commencement of e-voting	4 th October 2025 (Saturday)
f	Closing of the e-voting	18 th October 2025 (Saturday)
g	Counting and publishing of result	19 th October 2025 (Sunday)

Forthcoming Technical Activities

Date	Title	Venue
28-09-2025	58 th Engineers Day on the theme “Deep Tech & Engineering Excellence: Driving India’s Techade”	Hotel Savera, 146, Dr Radha Krishnan Salai, Mylapore, Chennai, 600004

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Posted on 6th September 2025 : Posted at Egmore RMS (Patrika)

Bulletin

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