

The Institution of Engineers (India)

TAMILNADU STATE CENTRE



BULLETIN



Dr. V. KARTHIKEYAN, FIE.
Chairman

Er.D.GOKUL, MIE
Honorary Secretary

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From the Chairman's Desk.....



Dear Fellow Engineers,

It gives me delightful experience to meet you all once again through this news desk.

I am happy to share that The Institution of Engineers (India) Tamilnadu State Centre celebrated the World Engineering Day for Sustainable Development on the theme "Engineering Solutions for a Sustainable World" on 13th March 2024 at IE(I) TNSC Auditorium, Chennai. Dr.R.Velraj, Vice Chancellor, Anna University and Mr.R.Sundaram, Founder and Managing Director, Aerospace Engineers Private Limited were the Chief Guests and inaugurated the event. Dr.R.Velraj, Vice Chancellor of Anna University interacted with engineering students, raised questions that were well answered by them. My special appreciations to the engineering students who attended and engaged in meaningful discussions with Dr.R.Velraj.

The Institution of Engineers (India) Tamilnadu State Centre recognizes and rewards outstanding contributions & performance in Engineering fields. This year Dr.V.Rajkumar, Professor and Head of Civil Engineering Department, Government College of Engineering, Dharmapuri was awarded the Academic Excellence Award and Mr.P.Baskaran, Baskaran Projects Private Ltd., Salem was awarded the Industry Excellence Award.

Now is the right time to discuss the purchase of land for the Tamilnadu State Centre, which was proposed in the previous Committee Meeting. We are preparing a proposal to raise funds for acquiring land and constructing a building for IE(I), Tamilnadu State Centre. I solicit all your co-operation and support for this good cause.

On behalf of IE(I) Tamilnadu State Centre, I congratulate the IE(I) Hosur Local Centre for grand opening of the new building and my special appreciation to Dr. G. Ranganath, President, IE(I) Kolkata, Er.LKM. Adhi, Chairman, IE(I) HLC, Er.V.Karthikeyan Honorary Secretary, IE(I) HLC and Dr.J.Arivudainambi, Council Member and Chairman ASDB, IE(I).

I request all the corporate members to bring in more and more new members into the IEI to double the strength of IE(I) Tamilnadu.

I request all current corporate members to complete the "Know Your Membership (KYM)" form to update our database. Please send the completed form to the IE(I), TNSC office or via email to ieitamilnadu@gmail.com / tncs@ieindia.org. This notice is important, so

please share it with your IE(I) member friends and colleagues.

Thank you all once again.

Regards,

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

Regional Languages Promotion Day 2024 (02.03.2024)

The Institution of Engineers (India) TamilNadu State Centre organized the Regional Languages Promotion Day 2024 on the title "**முந்து தமிழர்களின் மேலாண்மை**" on 2nd March 2024 at 6.00 pm through online Zoom Meeting.

The guest speaker was **Er K Babusasitharan**, Founder & President, Nimir Elakiya Vattam.

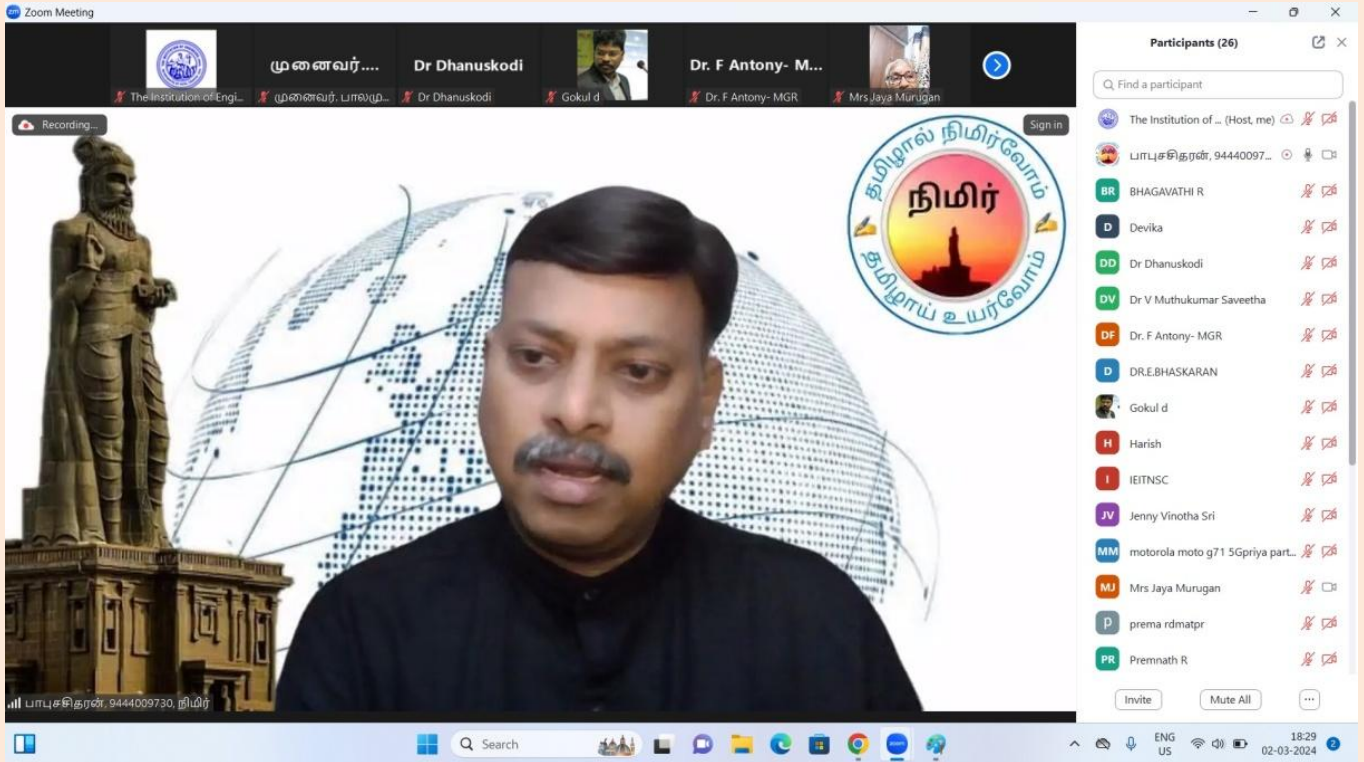
Er D Gokul, Honorary Secretary, IE(I),TNSC delivered the welcome address and **Dr J Balamurugan**, Chairman, IE(I) Tiruvallur Local Centre introduced the guest speaker and briefed about the Regional Language Promotion Day observed by IE(I).

Er K Babusasitharan started his speech with the theme of "Linguistic Management," referencing the ancient (700 BC) Tamil grammar book Tholkapiyam, authored by the great ancient Tamil scholar, Mr. Tholkaapiyar. He discussed a specific sentence, "**எல்லா சொல்லும் பொருள் குறித்தனவே**" (All words have a meaning), to explain the formation of words and the time calculation for pronouncing each letter. He also shared his thoughts on how meaningful words form meaningful sentences, which in turn form meaningful paragraphs, leading to our entire communication system in our mother

language. Language is not only an identity for the land and its people but also possesses the power to influence people and document our history.

He then spoke about the ancient (50 BC) Tamil scholar Thiruvalluvar, who authored the significant work Thirukural on "Life Management." He explained how Thirukural covers soft skills and personality development for individuals and is applicable to people across the world. Thiruvalluvar's insights, written 2000 years ago, remain relevant today and continue to influence Tamil society deeply. This enduring relevance highlights the profound knowledge and informative power of Thirukural.

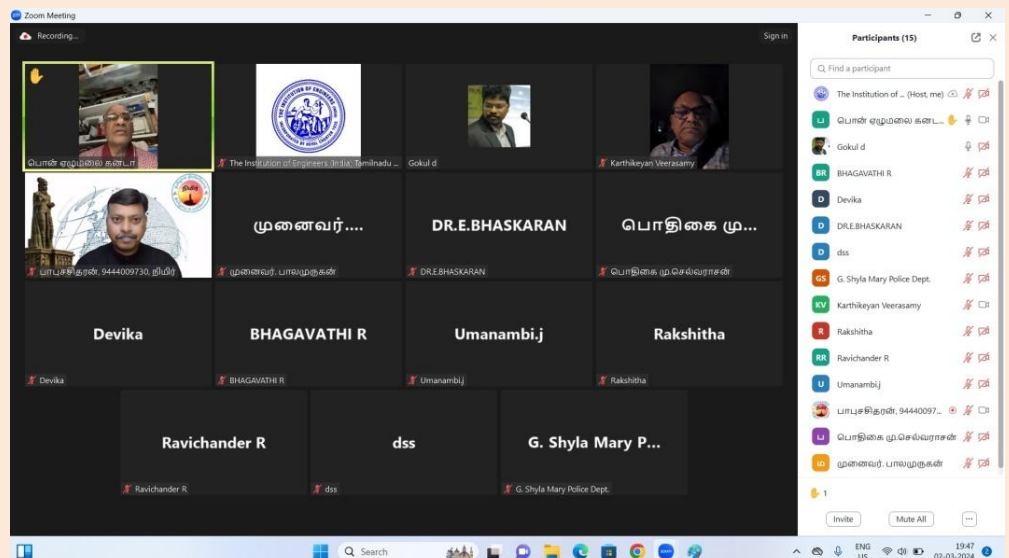
Additionally, he discussed the great Chola king, Karikal Cholan, who constructed the ancient dam "Kallanai" across the Kaveri River in the Thanjavur district. He elaborated on the significance of this construction in terms of water management, construction management, and civil engineering. The Kallanai stands as a state icon of Tamil Nadu and symbolizes the ingenuity of ancient Tamilians and the Chola dynasty. He emphasized the advanced knowledge and capability required to construct such a dam nearly 1900 years ago for state water management.



He also spoke about “ThanjaiPeriya Kovil,” built by Rajaraja Cholan in the 10th century, a thousand years ago, which remains a symbol of Tamil architectural prowess. This world monument, recognized by UNESCO, showcases the architectural expertise of ancient Tamilians. Furthermore, he highlighted the Chola kings' expansive naval network, which extended to Malaysia, Singapore, Indonesia, and Cambodia a thousand years ago, exemplifying ancient Tamil naval and war management. The efforts of the Chera kings to transport stone from the Himalayas were presented as a testament to their travel management capabilities.

The program concluded with a vote of thanks from **Dr. V Karthikeyan**, Chairman, IE(I) TNSC. Participants from various countries like Canada, Abu Dhabi and states like Hyderabad, Bangalore participated. Participants shared their thoughts on the program, which were new and enlightening for them, appreciating the ancient Tamil society's management expertise. They also expressed gratitude to the IEI and the entire organizing team. More than 60 participants participated in the guest lecture.

In his narration, he explored the connections between various languages worldwide and the similarities between Tamil and other languages, such as the Yorba language of Nigerian tribes and cultural similarities with Thailand, Malaysia, and Singapore.



WORLD ENGINEERING DAY FOR SUSTAINABLE DEVELOPMENT Theme : “Engineering Solutions for a Sustainable World”(13.03.2024)

United Nations Educational Scientific and Cultural Organisation (UNESCO) has declared 4th March as World Engineering Day for Sustainable Development considering the global awareness and understanding of the role of engineering in modern life. IEI being an international Member of World Federation of Engineering Organizations (WFEO), would like to request the engineering community in India to celebrate this day in a befitting manner and organise events to mark the occasion.

The Institution of Engineers (India) TamilNadu State Centre celebrated the World Engineering Day for Sustainable Development on the theme “**Engineering Solutions for a Sustainable World**” on 13th March 2024 at IE(I) TNSC Auditorium, Chennai.

Dr R Velraj, Vice Chancellor, Anna University and **Mr R Sundaram**, Founder and Managing Director, Aerospace Engineers Private Limited were the Chief Guests and inaugurated the event.

The program started with invocation, followed by lighting of the lamp by the dignitaries. The welcome speech was delivered by **Dr V Karthikeyan**, Chairman, IE(I) TNSC. **Er S Loganathan**, Committee Member, Civil Engg. Division, IE(I) TNSC delivered the theme of the World Engineering Day for Sustainable Development. **Dr V Karthikeyan**, Chairman, IE(I),TNSC honoured the dignitaries with shawl and memento.



Chief Guest Dr R Velraj, Vice Chancellor, Anna University lighting of the lamp



Thematic Address by Dr.R.Velraj



Dr V Karthikeyan, Chairman, IE(I) TNSC honouring the Chief Guest Mr R Sundaram, Founder and Managing Director, Aerospace Engineers Private Limited with shawl and memento

The Institution of Engineers (India) Tamilnadu State Centre recognizes and rewards outstanding contributions & performance in Engineering fields. This year Dr V Rajkumar, Professor and Head of Civil Engineering Department, Government College of Engineering, Dharmapuri was awarded the **Academic Excellence Award** and Mr P Baskaran, Baskaran Projects Private Ltd., Salem was awarded the **Industry Excellence Award**.



Academic Excellence Award to Dr V Rajkumar, Professor and Head of Civil Engineering Department, Government College of Engineering, Dharmapuri



Industry Excellence Award to Mr P Baskaran, Baskaran Projects Private Ltd., Salem

Er D Gokul, Honorary Secretary of IE(I),TNSC proposed the Vote of thanks. The program ended with the National Anthem. More than 100 participants participated in the celebration.

This event is available in IEI TNSC YouTube channel :
<https://www.youtube.com/live/ttvnV0vCZs8?si=spoMU83a2FfKeQ2s>

Know Your Member (KYM)

Respected Corporate Members of Tamilnadu State Centre,

Kindly fill the Know Your Member (KYM) for updation of Membership in the database and send it to ieitamilnadu@gmail.com / tnsc@ieindia.org

Know Your Member (KYM) Application Form

1. Membership No: _____

A. MEMBER DETAILS:

2. NAME: _____
(IN BLOCK LETTERS)

3. AADHAR Card No.: _____

4. Mobile: _____

5. Email: _____

6. Date of Birth (dd/mm/yyyy): _____

PHOTO

B. ADDRESS:

PIN: _____

C. EDUCATIONAL QUALIFICATION:

Name of Examination Passed (BE/ B.Tech or equivalent/ ME/ M.Tech/ Post-Graduate Diploma/ PhD)	Year	Branch of Engineering (Civil, Electrical etc)	Examining Authority (University, etc)	Mode of Qualification (Regular/Distance/ Part-Time)

D. OCCUPATION:

Occupation: _____

Specialization: _____

E. DECLARATION:

I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief. In case, any of the above information is found to be false or untrue or misleading or misrepresenting, I am aware that I may be held liable for it. I hereby give my full consent to include my name and contact information as they are now or may be altered hereafter in all the directories/lists of members as deemed fit by the Institution.

DATE:

PLACE:

Full Signature of the Applicant

Tick the Check list below for Document Attached. The list of acceptable documents are given as per enclosure:

1. Self-attested copy of Photo ID / Member's Identity: []
2. Self-attested copy of DOB :[]
3. Self-attested copy of Address proof:[]
4. Self-attested copy of Aadhar Card (if applicable)

LIST OF ACCEPTED DOCUMENTS WITH KYM

- **For Photo-ID / member's identification**
 - ✓ PAN / Aadhar / Voter Card / Passport / Photo ID – Card issued by IEI
 - ✓ Photo ID-Card issued by current employer
 - ✓ Any Photo-ID card issued by State/ Central Govt. / PSUs/ Autonomous bodies
 - ✓ Photo ID-Card issued by current employer
- **For Date of Birth**
 - ✓ Aadhar / PAN Card / Birth Certificate / Affidavit before Judicial /Executive Magistrate
 - ✓ Letter from current employer mentioning DOB / Passport
 - ✓ Admit Card / Certificate of School leaving/Matriculation exam recognised educational board having DOB mentioned
 - ✓ Any other document issued by State/Central Govt / Local mentioning the DOB

One Day Seminar on Bio-fuel (08-03-2024)

The Institution of Engineers (India) Tamilnadu State Centre organized the **One day seminar on Bio- Fuel** under the aegis of Electrical Engineering Division in association with **TamilNadu Energy Development Agency (TEDA) and National Environmental Climatic Change Forum (NECCF)** on **8th March 2024** at IE(I) TNSC Auditorium, Chennai.

The event began with an auspicious touch with Tamilthai Valzhthu to mark the beginning of the occasion and followed by lighting of lamp by the dignitaries. Er. Shanthi, Deputy General Manager/TEDA welcomed the gathering who was present in physical mode as well as online mode



Dignitaries on Dias

Padmashri / Padmabhusan Dr. A. Sivathanu Pillai, Chairman, National Environmental Climatic Change Forum (NECCF) was the Chief Guest and Shri. Hans Raj Verma, Chairman and Managing Director, TEDA was the guest of Honor

Shri. Hans Raj Verma in his opening remarks, emphasized the following:

- The need for Round the Clock (RTC) Power based on RE sources of which Biofuel is to be a key component, which will bridge the gap created by other renewable energy sources viz., Wind, Hydro & Solar.
- He also emphasized that sustainability is no longer an option or a choice, but it is a compelling imperative of the current time.
- Also this will improve the state's economic growth by the way of promoting green manufacturers which will lead to the dream of achieving 1 trillion dollar economy.

- CBAM which is being implemented in European Union is the key driver for Energy Transition in the industrial sector. This will offer opportunities for TEDA by its virtue of propagating renewable energy along with the Energy conservation in the industrial processes as well as the industrial/Commercial buildings to reach NetZero.
- He also accentuated the key business strategy of TIIC - embedding sustainability in the MSME sector.
- He also underlined that TamilNadu as the thought leader as well as the Technology leader will provide successful models which can be replicated at all India level.



Chief Guest Padmashri/Padmabhusan Dr.A.Sivathanu Pillai, Chairman, NECCF lighting the lamp

Dr.A.Sivathanu Pillai, Chairman, National Environmental Climatic Change Forum (NECCF) delivered an excellent presentation on the need for Energy security and the ways that should pave the way forward from Biofuel Energy to H2 generation which will be the future on all the energy needs. Moreover, he emphasized on developing a Energy Island which will encompass Offshore windmill, solar, tidal, H2 Generation and the foremost technology of Satellites generating solar energy 24 x 7 will be tapped through microwave towers installed in the island.

Dr. Vandith, Senior Scientist of Sardar Swaran Singh National Institute of Bio-Energy (SSSNIBE) , Thiru. Elangovan, Social Scientist from Kuthapakkam and Dr

J Balamurugan, Senior Manager/TEDA and Chairman, IE(I) Tiruvallur Local Centre were the guest speakers



Er D Gokul, Honorary Secretary, IEI TNSC honouring the Guest of Honour Shri.Hans Raj Verma, Chairman and Managing Director, TEDA

Dr.Vandith, Senior Scientist of Sardar Swaran Singh National Institute of Bio-Energy (SSSNIBE) who was connected through online mode presented the national scenario for Biofuel pathway and the subsidies available for Bio fuel development & sustainable growth.

Thiru. Elangovan, Social Scientist from Kuthapakkam who is a pioneer in creating self-sustainable villages created awareness amongst the stakeholders on Biofuel opportunities in villages, which is also a boon in handling the Municipal solid/liquid waste; raw material for Biofuel will yield profitable business also reduces the landfill.

The Biofuel Board members as well as the stake holders both in online / offline interacted with Dr . J . Balamurugan, HOD/ Biofuel for the MSP/Raw material / Policy enforcement / Agriculture growth / Subsidies / Technology transfer / Bio fuel market/ sustained development in all the verticals.

Discussed more about deficiency in Feed stock management, encouragement of Research & Development (R&D) to consume Biofuel to maximize their utilization through the Start up ecosystem, steps and emphasis to be taken in the Feedstock management namely Biofuel Production/Availability / Viability



Shri.Hans Raj Verma, Chairman and Managing Director, TEDA honouring the Chief Guest Padmashri/Padmabhusan Dr.A.Sivathanu Pillai, Chairman, NECCF

To commemorate the event on Biofuel, tree plantation was planted by Dignitaries.. As the day was celebrated as women’s day, to honour all the women team present in the seminar jointly planted a tree sapling. The meeting ended with Vote of thanks by Er. D Gokul, Honorary Secretary, IE(I)

Inauguration of IE(I) Students’ Chapter (05.03.2024)

The Institution of Engineers(India) Student chapters for the Department of Biomedical Engineering, Computer Science & Engineering and Electronics & Communication Engineering of **Jerusalem College of Engineering** was inaugurated on **March 05’ 2024** in the presence of Dr. V.Karthikeyan, Chairman-IE(I),TNSC, Dr. J.Arivudainambi, Council Member -IE(I),TNSC, Mr.D.Gokul, Honorary Secretary-IE(I),TNSC,

Dr.S.Karthikeyan, Honorary Secretary-IE(I),KLC and Mr. S. Singaravelan- Scientific Officer(H)(Rtd.). The Chief guests declared the opening of Student Chapter and addressed the students about the importance of IEI Students Chapter and the benefits for its members. Head of the Institution Dr. Ramesh S presented the welcome address and motivated the students to participate in the activities to be conducted

under the chapter. A total of 165 students of BME, CSE and ECE are enrolled as members of this chapter and took part in the inaugural

event. The event was coordinated and guided by Dr. V. Jamuna, Dean- Student Affairs



Felicitation of Chief Guest- Dr. V.Karthikeyan, Chairman-IE(I),TNSC



Inauguration of IE(I) Student Chapters- Releasing Souvenir

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Posted on 13th April 2024

Posted at Egmore RMS (Patrika)

Bulletin

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