

# 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 Chairman's Desk...



Dear Fellow Engineers,

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

I wish each and every member a happy and prosperous New Year 2024. I pray the Almighty to shower his blessings on all of us for a healthy, prosperous and successful year ahead.

The Tamilnadu State Centre of the Institution of Engineers (India) was established on December 22, 1922, and marked its Centenary Year with grand celebrations on December 22, 2022. This year, the IE(I), TNSC is set to commemorate Founder's Day on 27<sup>th</sup> January 2024, at 4:00 pm in the IE(I) TNSC Auditorium, Chennai. I invite all the corporate members to participate in the celebration and make the event a grant success.

I am happy to state that I have attended the 38<sup>th</sup> Indian Engineering Congress at Jabalpur during 27-29 December 2023.

## CONGRATULATIONS!

### 38th Indian Engineering Congress



On behalf of IE(I), TNSC, we extend our heartfelt congratulations to Dr. G. Ranganath for assuming charges as the President of IE(I). We are certain that the Institution of Engineers (India) will scale new heights and conquer great peaks during your tenure. Let this journey be filled with innovations and collaborations for the benefit of our engineering fraternity.

As the Chairman of IE(I), Tamilnadu State Centre and on behalf of all the Council Members, Committee Members, Corporate Members and Fellow Engineers of IE(I), TNSC, we express our heartiest congratulations to Dr G Ranganath, FIE President, IE(I).

Also, I am delighted to share that I have been appointed as the Chairman of Environmental Engineering Division Board (ENDB) and Member of Bye-Laws Committee (BYC) of IE(I) for the session 2023-24.

The IE(I), TNSC aims to enhance its membership strength and I invite all the

committee and corporate members to actively engage in a robust membership drive across Engineering Colleges, Academia and Industries requesting their faculty and engineers to enrol themselves as the members of IE(I). Also, I appeal to our corporate members to bring in new members and thereby contributing to the significant growth of IE(I), TNSC by doubling its strength.

Thank you once again to one and all.

Regards,

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

## **One day Seminar on “Sustainable Developments in Quality Control of Construction Sector”**

**27.09.2023**



The Institution of Engineers (India), Tamilnadu State Centre, under the aegis of Civil Engineering Division Board, IE(I) in association with the Department of Civil Engineering, Thiagarajar Polytechnic College(TPT), Salem organized One day Seminar on “Sustainable Developments in Quality Control of Construction Sector” on 27<sup>th</sup> September 2023 at TPT Alumni Auditorium, Thiagarajar Polytechnic College, Salem.

The event began with an auspicious touch of Tamizhthaa Vazhthu followed by lighting of lamp by the dignitaries. **Er K N Sivaraju**, Honorary Secretary, IE(I) Tamil Nadu State Centre delivered the welcome address. He expressed his gratitude and appreciation to the management of Thiagarajar Polytechnic College and Principal, **Dr.V.Karthikeyan** for conducting this seminar in a successful way. **Er S Loganathan**, Committee Member (CV) IE(I) TNSC delivered the thematic address.



**Mr Thyagu Valliappa**, Vice-Chairman of Sona Education Group was the chief guest and graced the occasion. **Mr D Sridhar**, Director, Metro Civil Tech Pvt. Ltd, Coimbatore and **Dr P R Shyamala Devi**, Assistant Executive Engineer, Public Works, Salem were the Special Guests. The event was presided over by **Dr V Karthikeyan**, Chairman - Elect, IEI TNSC and Principal of Thiagarajar Polytechnic College, Salem. In his keynote address, he stated that this seminar will help to raise the industrial

development of Salem to the next level. The research papers of this seminar were compiled and published as souvenir. The coordinator of the seminar, **Er S Natarajan**, Committee Member, IE(I) TNSC expressed his gratitude to Thiagarajar Polytechnic College and Principal, Dr V Karthikeyan for organizing this seminar which is very useful for the students.

The dignitaries were honoured with shawls and mementoes. Souvenir was released during the seminar by the dignitaries. IE(I) executive committee members, technical committee members, professors and students participated in the opening ceremony of this seminar.

The technical seminar was conducted in three sessions. More than 80 papers were presented from CSI Polytechnic, Salem, Muthayammal Engg. College, Namakkal, Sona College of Technology, Salem, TPT, Salem, etc.

With an audience of more than 300 students more than 50 papers were presented. The students presented the papers on 6 different themes. **Dr R Malathy**, HoD/Civil, Sona College of Technology acted as Jury for the paper presentation.

The Valedictory session was held on 27.09.2023 at 4.00 pm. **Er K N Sivaraju**, Honorary Secretary of IE(I) Tamil Nadu State Centre welcomed the gathering. The participants presented their feedback.

**Dr V Karthikeyan**, Chairman - Elect, IE(I) Tamil Nadu State Centre and Principal of Thiagarajar Polytechnic College, Salem gave the presidential address and appreciated the efforts taken by the team for the successful conduct of the seminar. **Er S Loganathan**, Committee Member, IE(I) TNSC proposed the vote of thanks and the programme concluded with the National Anthem.



## One day Seminar on “Transforming the Electrical Technology with AI” 12.10.2023



The Institution of Engineers (India) Tamilnadu State Centre organized the “One day seminar on “Transforming the Electrical Technology with AI” under the aegis of Electrical Engineering Division in association with Department of Electrical and Electronics Engineering, Thiagarajar Polytechnic College (TPT), Salem on 12<sup>th</sup> October 2023 at TPT Alumni Auditorium, Thiagarajar Polytechnic College, Salem.

The event began with an auspicious touch with Tamizhthaa Vazhthu to mark the beginning of the occasion. **Er K N Sivaraju**, Honorary Secretary, IE(I) TNSC delivered the welcomed the gathering. **Dr N I Maheshwari**, Convener and Committee Member of IE(I) TNSC delivered the thematic address. **Dr K Pandian**, Committee Member, IE(I) TNSC felicitated the gathering.

**Er N Senthil Kumar**, Honorary Secretary, Salem Local Centre addressed the

gathering as Guest of Honour. **Dr V Karthikeyan**, Principal and Chairman (Elect.) gave the special address with the recent developments of Artificial Intelligence in various fields. **Er S Natarajan**, Co-convener and committee member introduced the chief guest **Er A Sekar FIE**, Council Member, IE(I). The Chief Guest addressed audience and shared his experiences. Dignitaries were honoured with shawls and mementos.



Souvenir was released by the chief guest in presence of dignitaries on the dais. The technical seminar was conducted in two

sessions. **Dr Y S Yamuna**, Associate Professor/EEE, Sona College of Technology was the jury of the paper presentation.

More than 100 papers were received from Vivekananda Polytechnic College, Kanyakumari, CSI Polytechnic College, Salem, Muthayammal Engineering College, Namakkal, Thiagarajar Polytechnic College and Sona College of Technology. With an audience of more than 300 students participated in the seminar. 50 papers were presented by the students on six different themes.

The Valedictory Session was held at 4.00 pm on 12<sup>th</sup> October 2023. **Er A Senthil Komagan**, HoD/EEE, welcomed the gathering. The students gave their feedback. **Dr N I Maheshwari**, Convener consolidated the events of the seminar. **Dr S Padma**, Prof & HoD, Sona College of Technology gave the Guest of Honour address. **Dr V Karthikeyan**, Principal & Chairman (Elect.), TNSC gave the presidential address and appreciated the efforts taken by the team for the successful conduct of the seminar. **Dr K Senathipathi**, Lect. (Sel.Gr.-II)/EEE proposed the vote of thanks and the programme concluded with National Anthem.

### One day Seminar on “Role of Nanotechnology in Material Science” 17.10.2023



The Institution of Engineers (India) Tamilnadu State Centre organized the “One day seminar on “Role of Nanotechnology in Material Science” under the aegis of Metallurgy & Material Science Engineering

Division in association with Department of Aeronautical Engineering, Mahendra Engineering College, Namakkal on 17<sup>th</sup> October 2023 at Seminar Hall, Mahendra Engineering College, Namakkal.

The event began with an auspicious touch with Tamilthai Valzhthu to mark the beginning of the occasion. **Er K N Sivaraju**, Honorary Secretary, IE(I) TNSC delivered the welcome address. **Er S Natarajan**, Convener and Committee Member of IE(I) TNSC delivered the thematic address.

**Dr R V Mahendra Gowda**, Principal, Mahendra Engineering College delivered the felicitation address. **Dr K Pandian**, Committee Member, IE(I) TNSC felicitated the gathering. **Dr R Samson Ravindran**, Executive Director, Mahendra Educational Institutions delivered the special address with the recent developments of nanotechnology in material science.

**Er D B Daniel**, Chief General Manager, Steel Authority of India Limited, Salem Steel Plant was the chief guest and delivered the inaugural address. He highlighted the manufacturing of Iron & Steel in ancient India particularly with reference to Tamilnadu. He also explained about the latest developments in steel plants and appreciated the efforts of Young Engineers.



Dignitaries were honoured with shawls and mementos. Souvenir was released by the

chief guest in presence of dignitaries on the dais. **Dr C Dhavamani**, Co-Convener and Prof. & Head – Aeronautical Engineering, Mahendra Engineering College proposed the vote of thanks.

**Er R Vinoth Babu**, Asst. Professor, Metallurgical Engineering Dept., Government College of Engineering, Salem delivered the keynote address in the technical session. He explained about the role of nanotechnology in material science with the latest developments to the students and paper presenters from various Engineering Colleges/Polytechnic Colleges.

The technical seminar was conducted in parallel sessions. More than 40 papers were received from Mahendra Engineering College, KSR Engineering College, Sengunthar Engineering College and Thiagarajar Polytechnic College. About 90 delegates participated in the seminar. The students presented the papers on six different themes.

The Valedictory Session was held at 4.00 pm on 17<sup>th</sup> October 2023. **Er S Natarajan**, Convener and Committee Member, IE(I) TNSC welcomed the gathering. **Er K N Sivaraju**, Honorary Secretary, IE(I) TNSC delivered the special address highlighting the importance of nanotechnology.

**Dr C Dhavamani**, Co-Convener gave the summary report. The students gave their feedback. **Mrs. G Mohanapriya**, Asst. Professor, Aeronautical Engineering Dept., Mahendra Engineering College proposed the vote of thanks. The program concluded with National Anthem



## One Day Seminar on Awareness on Cyber Crime 18.10.2023

The Institution of Engineers (India) Tamilnadu State Centre organized a One-Day Seminar on “Awareness on Cyber Crimes” in association with SRM Valliammai Engineering College on 18<sup>th</sup> October 2023 in the New Seminar Hall of SRM Valliammai Engineering College. The event started with Thamizh Thai Vazhthu and the welcome address was given by **Er S Kannan**, Chairman, IE(I) TNSC. He gave the description of day-to-day cybercrimes and their consequences and potential safety strategies. **Dr.M.Senthil Kumar**, Head of the Department of Cyber Security, SRM-VEC delivered about the theme of the seminar. The inaugural address was delivered by the chief guest **Dr.B.Chidhambara Rajan**, Director of SRM-VEC and he gave insights on evolving technologies in the digital world. Continuing with this, the special address was given by **Dr.M.Murugan**, Principal, SRM-VEC and he enlightened the key concepts of digital safety and its preventive measures. The Keynote address was delivered by **Dr.P.Rajaraman**, Chairman of the Institution of Engineers (India), Puducherry State Centre and Chairman of National Languages Promotional Committee. Finally, **Ms.K.R.Nandhashree**, Assistant Professor, Department of Cyber Security delivered the vote of thanks.

More than 100 students attended the seminar and students from various colleges including Adhiparasakthi Engineering College, Karpaga Vinayaga Engineering College, and SRM Institute of Arts and Science attended the seminar. The awareness seminar had two sessions, the

first session was about awareness of Cyber Security, **Dr. B. Chidhambhararajan**, Director, SRM Valliammai Engineering College gave a deep insight into cyber security protective measures which highlighted the concepts including the Importance of Cybercrime Awareness, Types of Cybercrimes, Consequences of Cybercrime, Personal Cyber security, Reporting Cybercrimes and the session concluded with the mindful information about cybercrimes.



The second session was handled by **Mr. Ram Sundar Suresh**, Managing Director of Hebe Sec Technologies Pvt. Ltd., who provided an overview of cybercrimes and their real-time implications and strategies which entailed security operations, legal, and regulatory needs.

The seminar concluded with the National Anthem and created an ability to identify warning signs of potential cyber-attacks or scams and an awareness of common indicators of recent crimes.



**The Institution of Engineers(India)**  
**Tamilnadu State Centre**  
**101<sup>st</sup>ANNUAL GENERAL MEETING**

**MINUTES** of the 101<sup>st</sup> Annual General Meeting of the Tamilnadu State Centre held on **5<sup>th</sup> November 2023** at 11.15 am at the IEI, TNSC Auditorium, 19 Swami Sivananda Salai, Chepauk, Chennai 600005.

Er S Kannan, Chairman, IEI TNSC welcomed the gathering and then the agenda was taken up one by one.

**1. To Confirm the Minutes of 100<sup>th</sup> Annual General Meeting held on 29<sup>th</sup> October 2022.**

Chairman informed that the minutes of the 100<sup>th</sup> Annual General Meeting held on 29<sup>th</sup> October 2022 was circulated to the members through the News Bulletin of October 2023 issue which may be taken as read.

As no comments were received, Dr S Karuppasamy, FIE proposed that the Minutes may be confirmed. Er A Sekar, FIE seconded the same.

The Minutes of the 100<sup>th</sup> Annual General Meeting was confirmed.

**2. To Approve the Audited Accounts and the Annual Report for the year ended 31<sup>st</sup> March 2023**

Chairman informed that the Audited Accounts and the Annual Report for the year ended 31<sup>st</sup> March 2023 was circulated to the members vide Email and may be taken as read.

As no comments were received from the members on the audited accounts and the annual report, Prof. Dr D Elango, FIE proposed that the Audited Accounts and the Annual Report for the year ended on 31<sup>st</sup> March 2023 may be confirmed.

Dr N Sivasubramanian, FIE seconded the same. The Audited Accounts and the Annual Report for the year ended 31<sup>st</sup> March 2023 was approved.

**3. To Report on the composition of the Committee for the sessions 2023-2024**

Chairman informed that the new committee would take charge for the session 2023-2024 and the members are

- **Dr V Karthikeyan, FIE**, Chairman, IE(I) TNSC and Principal, Thiagarajar Polytechnic College, Salem
- **Er D Gokul, MIE**, Honorary Secretary, IE(I) TNSC and Scientist-SF, Sathish Dhawan Space Centre, ISRO

The following members will serve in the Committee (Representing the Engineering Divisions given in the parenthesis)

1. **Er C S Karunakaran**, Manager, StepUp, Incubation Centre, SIMATS School of Engineering, SIMATS University(Aerospace Engineering Division)
2. **Dr A Tajuddin**, Professor and Head, Department of Agricultural Engineering , Saveetha Engineering College, Chennai (Agriculture Engineering Division)
3. **Ar J Uma Nambi**, HOD/Architecture, Thiagarajar Polytechnic College, Salem (Architectural Engineering Division)



4. **Er I Maria Michael Raj**, Former Scientific Officer/G, Department of Atomic Energy, Tuticorin (Chemical Engineering Division)
  5. **Dr F Antony Xavier Bronson**, Associate Professor, Department of Computer Science and Engineering, Dr M G R Educational and Research Institute, Chennai (Computer Engineering Division)
  6. **Dr D Elango**, Professor & Head (Civil Engg. Department) SRM Valliammai Engineering College, Kanchepuram (Civil Engineering Division)
  7. **Er S Loganathan**, HOD, Civil Engineering, Thiagarajar Polytechnic College, Salem (Civil Engineering Division)
  8. **Er K Vijayakumar**, Romex Consultancy, Government Registered Engineer & Valuer, Madurai (Civil Engineering Division)
  9. **Dr G Madhusudhanan**, Associate Professor, Department of Electrical and Electronics Engineering, SRM Valliammai Engineering College, Chennai(Electrical Engineering Division)
  10. **Dr N I Maheshwari**, Lecturer (Sel.Gr.) / EEE, Thiagarajar Polytechnic College, Salem (Electrical Engineering Division)
  11. **Dr K Senthil Kumar**, Joint Registrar, Dr M G R Educational and Research Institute, Chennai (Electronics and Telecommunication Engineering Division)
  12. **Er D Arulselvan**, Former HOD, Electronics and Communication Engineering, Thiagarajar Polytechnic College, Salem (Electronics and Telecommunication Engineering Division)
  13. **Er N Senthil Kumar**, COO & Partner, Global Lab and Consultancy Services, Salem (Environmental Engineering Division)
  14. **Dr M Ganesan**, Joint Registrar, Dr M G R Educational and Research Institute, Chennai (Mechanical Engineering Division)
  15. **Er D Kumar**, Senior Manager (Retd), BHEL(Mechanical Engineering Division)
  16. **Er G Balasivarama Subramanian**, HoD / Production Engineering, Thiagarajar Polytechnic College, Salem (Mechanical Engineering Division)
  17. **Er R Muthusamy**, Technical Consultant, Marine(Marine Engineering Division)
  18. **Er S Natarajan**, Retired Deputy General Manager, SAIL, Salem Steel Plant, Salem (Metallurgy and Material Science Engineering Division)
  19. **Er C Prabhu**, Workshop Instructor/ Mechanical Engineering, Thiagarajar Polytechnic College, Salem (Production Engineering Division)
  20. **Prof. Dr P Mohanraj**, Professor, National Institute of Fashion Technology(NIFT),Chennai(Textile Engineering Division)
- EX-OFFICIO MEMBERS:**
- Dr G Ranganath**, President- Elect, IE(I) and Principal, Adhiyamaan College of Engineering, Hosur.
- Er S Kannan**, Immd. Past Chairman, Consulting Engineer, Chennai
- Er K N Sivaraju**, Immd. Past Honorary Secretary, Consulting Engineer, Salem

**Dr R Venkatesan**, Council Member, Mechanical Engineering Division, IE(I)

**Er A Sekar**, Council Member, Electrical Engineering Division, IE(I)

**Dr S Dharmalingam**, Council Member, Electrical Engineering Division, IE(I)

**Er M Venkatachalam**, Director (Power), NLC India Limited, Neyveli (Chairman, Neyveli Local Centre)

**Dr J Krishnamoorthi**, Professor and Head, Department of Metallurgical Engineering, PSG College of Technology, Coimbatore (Chairman, Coimbatore Local Centre)

**Dr S Ravimaran**, Professor and Head, Department of Artificial Intelligence and Data Science, Saranathan College of Engineering, Tiruchirappalli (Chairman, Tiruchirappalli Local Centre)

**Dr P Udhayakumar**, Professor and Head / Mechanical Engineering & Training and Placement Officer, K.L.N. College of Engineering, Madurai (Chairman, Madurai Local Centre)

**Er M Kulasekaran**, Scientific Officer / E, IGCAR, Kaplakkam (Chairman, Kalpakkam Local Centre)

**Dr Thangaraj K**, Associate Professor / IT, Sona College of Technology, Salem (Chairman, Salem Local Centre)

**Er D John Thirithuvadoss**, Manager/Marketing/C&PR BHEL/BAP Ranipet (Chairman, Ranipet Local Centre)

**Er A Sivakumar**, Superintending Engineer / Civil, Tuticorin Thermal Power Station, Tuticorin (Chairman, Tuticorin Local Centre)

**Er L K M Adhi**, Managing Director, Knitvel Needles Pvt Ltd, Hosur (Chairman, Hosur Local Centre)

**Dr R Kumaravelan**, Professor and Head/ Mechanical Engineering, Velalar College of Engineering and Technology, Erode (Chairman, Erode Local Centre)

**Dr N Venkatachalapathy**, Professor and Head, Department of Food Engineering National Institute of Food Technology, Entrepreneurship and Management (NIFTEM), Thanjavur (Chairman, Thanjavur Local Centre)

**Dr S Avudaiappan**, Principal, St. Xavier's Polytechnic College, Seydunganallur (Chairman, Tirunelveli Local Centre)

**Er S Bright Selvin**, Former Superintending Engineer (RTD), TWAD Board, Nagercoil (Chairman, Kanyakumari Local Centre)

**Dr S Ramesh**, Professor & Principal, Jerusalem College of Engineering, Kancheepuram (Chairman, Kancheepuram Local Centre)

**Dr J Balamurugan**, Assistant Executive Engineer, TANGEDCO, Senior Manager, TEDA, Chennai (on deputation) (Chairman, Tiruvallur Local Centre)

**Dr S Dhanalakshmi**, Associate Professor, Department of ECE, SRM Institute of Science & Technology, Kattankulathur (Chairman, Kattankulathur Local Centre)

**4. To Appoint the Auditors for the year 2023-2024 and to fix their remuneration**

Chairman informed that confirmation was received from M/s S Shankar & Associates, Chartered Accountants & Associates, Flat No: 1, M N R Apartment, No : 7A/1, Nadar Street, Velachery , Chennai – 600 042 to continue as Auditors for the year 2022 - 2023 at the remuneration of **Rs.17500/= + GST 18%**.

**Er S Loganathan, MIE** proposed that the services of the existing Auditors may be continued for the year 2023 - 2024 at the remuneration of Rs.17500/= + GST 18%.  
**Dr P Udhayakumar, FIE** seconded the same.

Corporate members requested to have the printed copy of Audited Accounts for their reference.

Er K N Sivaraju, Honorary Secretary, IEI TNSC proposed the Vote of thanks.

## TECHNICAL ACTIVITIES PLANNED

27<sup>th</sup> January 2024

IE(I) TNSC Founders Day Celebration

Licensed to post without pre-payment  
Posted on 26<sup>th</sup> December 2023

Posted at :Egmore RMS (Patrika)

*Bulletin*

IF UNDELIVERED RETURN TO :

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