

The Institution of Engineers (India)

TAMILNADU STATE CENTRE



BULLETIN



Dr. V. KARTHIKEYAN, FIE.
Chairman

Er.D.GOKUL,MIE
Honorary Secretary

Vol. 23 : No.06

June 2024

From the Chairman's Desk.....



Dear Fellow Engineers,

It is my pleasure to connect with all of you through our News Bulletin. I am delighted to meet you all once again through this News Bulletin. The Tamil Nadu State Centre of the Institution of Engineers (India), jointly with Thiagarajar Polytechnic College, organized World Environment Day on the theme "Land Restoration, Desertification, and Drought Resilience" on 22 June 2024 through hybrid mode. Mr.Arun Krishnamurthy, Founder of the Environmentalist Foundation of India, was the chief guest and delivered an awareness speech on protecting environment to the budding engineers.

The Tamilnadu State Centre of the Institution of Engineers (India) organized a guest lecture on the topic "**KAIZEN – Change for the better**" on 08 June , at 6:30 pm through an online Zoom meeting.

I express my heartfelt thanks to Dr.P.Udhayakumar, Chairman, Madurai Local Centre for inviting me as the Chief Guest and for delivering the Keynote Address at the All India Seminar on "Challenges and Opportunities of Machine Learning Techniques on Structural Health Monitoring," held on 28-29 June 2024, in Madurai.



All India Seminar on "Green Manufacturing" will be conducted in association with Thiagarajar Polytechnic College on 26-27 July 2024, at the TPT Alumni Auditorium in Salem.

All India Workshop on "Perspectives of Microbial Concrete & other Sustainable Construction Materials" will be conducted in association with SRM Valliammai Engineering College, Kattankulathur on 30th & 31st July 2024 . All India Seminar on "Advanced Technologies in Agriculture for Sustainable Development and its applications" " will be conducted in association with SRM Valliammai Engineering College, Kattankulathur on 1st & 2nd August 2024

I invite all corporate members to participate in the above seminars /workshop.

The IE(I), TNSC aims to enhance its membership strength, and I invite all committee and corporate members to actively engage in a robust membership drive across engineering colleges, academia, and industries, encouraging their faculty and engineers to enroll as members of IE(I). Additionally, I appeal to our corporate members to bring in new members and contribute to the significant growth of IE(I), TNSC by doubling its strength.

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 email it to ieitamilnadu@gmail.com or tncs@ieindia.org. This notice is important, so please share it with your fellow IE(I) members and colleagues.

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

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



Dear Corporate Members,

Warm Greetings to all of you !

I feel great pleasure to meet you all through this News Bulletin once again.

The Institution of Engineers (India) Tamil Nadu State Centre will organize more number of seminars, workshops and two conventions during this year. I request all the committee and corporate members to participate and support to make the events a grand success.

During the first quarters, we have organized and celebrated five technical guest lectures and three statutory days successfully. I invite all the corporate members to participate in the forthcoming events of IEI TNSC.

Every year the Institution of Engineers (India) invites applications for funding industry – oriented R & D projects and research initiatives aimed at improving the life-style of common people from engineering students pursuing full time Diploma / UG/ PG/ Ph.d engineering

program in AICTE / UGC / NAAC approved Institutions / Colleges / Universities. The application form and Guidelines are available in IEI website [https:// www.ieindia.org](https://www.ieindia.org). We request all the Heads of Institutions to disseminate this instruction to all the students and faculty and request them to apply at an earliest.

I exhort the corporate members to make the most of this news bulletin as a resource for learning, connections, and information exchange. In unison, we possess the ability to further elevate the engineering profession and leave a lasting impression on society. This month, we've planned a variety of technical talks, seminars, and activities with the intention of encouraging creativity and knowledge exchange.

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.

Thank you all for your continuous support and participation.

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

The Tamilnadu State Centre of the Institution of Engineers (India) organised the guest lecture on the topic **KAIZEN – Change for the better** on **8th June 2024** at **6.00 pm** through online Zoom Meeting.



At the outset, **Dr V Karthikeyan**, Chairman, IE(I) Tamilnadu State Centre welcomed the gathering. **Er S Natarajan**, Former Management Representative & TQM Head, SAIL- SALEM STEEL PLANT and Committee Member, MM Engg. Division, IE(I) TNSC.

He presented his lecture with the PowerPoint presentation. He started his speech with the meaning of KAIZEN. The Japanese word KAIZEN means change (KAI) to become good (ZEN).



What is Kaizen?

Kaizen means improvement. Improvements without spending much money, involving everyone from Managers to Employees, and using much common sense.

The aspect of Kaizen is that is ongoing and never ending improvement process.

Kaizen achieves its effects by working through People. All are expected to be involved.

Kaizen recognizes that improvements can be small or large. Many small improvements can make a big change.

The Principles /approach behind Kaizen are:

1. Discard conventional fixed ideas.
2. Think of how to do it, not why it cannot be done.
3. Start by questioning current practices.
4. Do not seek perfection. Do it right away even if it will only achieve 50% of target.
5. If you make a mistake, correct it right away.
6. Throw wisdom at a problem, not money.
7. Do Why- Why analysis and seek root causes.
8. Seek the wisdom of ten people rather than the knowledge of one.
9. Do not ask workers to leave their brains at the factory gate.

Benefits of Kaizen:

- Empowers of employees, enriches the work experience and brings out the best in every Person.
- Promotes personal growth of employees and the company.
- Improves Quality, Safety, Cost Structures, Delivery, Environments and Customer Satisfaction.
- Increased Productivity
- Reduced Waste
- Higher Employee Satisfaction and morale.

Er D Gokul , MIE, Honorary Secretary of IE(I) Tamilnadu State Centre proposed the vote of thanks.

This program is available in IEI TNSC YouTube channel:

<https://youtu.be/e5kuhWdAMEE?si=4uRkDwPOct8kKZNn> . Kindly subscribe and share with your friends and colleagues.

Madurai Local Centre

Two Days National Level Seminar on “Challenges and Opportunities of Machine Learning Techniques on Structural Health Monitoring” (28,29.06.2024)



Dr. V. Karthikeyan, Chairman, IE(I) Tamilnadu State Centre delivered keynote Address

The Institution of Engineers (India) Madurai Local Centre organized the Two Days National Level Seminar on “Challenges and Opportunities of Machine Learning Techniques on Structural Health Monitoring” on 28th & 29th June 2024 at Madurai. Dr. V. Karthikeyan, Chairman, IE(I) Tamilnadu State Centre was the Chief Guest.

Dr. V. Karthikeyan, Chairman, IE(I) Tamilnadu State Centred delivered the Keynote address on the topic “The Next Frontier in Structural Health Monitoring: Harnessing Intelligent Agents”. He was honoured by Prof(Dr)P. Udhayakumar, Chairman, IE(I)MLC and Er. A. T. Baskar, Hon. Secretary, IE(I)MLC with the Shawl and Memento.

Members in the News

On 4th July 2024, Mahendra Polytechnic College, Mallasamudram, Namakkal celebrated Diploma first year Inaugural function which witnessed participation of more than 150 students and their parents. Executive Director Dr. R. Samson Ravindran, Principal Prof.S.Ganesan, Academic coordinator Prof.K.Venkataramanan and All department HOD's were present in the inaugural ceremony.



The Chief guest of the event was presided over by Er.K.N.Sivaraju., FIE,MIIM., Chartered Engineer., Immediate past Honorary Secretary. During his special address, he insisted the students to utilize the technology to an optimal level for your career development and to avoid wastage of time in social platforms which may hamper their talents. He also added that a sound knowledge can be achieved with sound body by maintaining physical fitness and team spirit through sports.

***Honouring the Chief Guest Er.K.N.SIVARAJU.,
FIE,MIIM., Chartered Engineer.,
Immediate past Honorary Secretary,IE(I),TNSC***

Releasing of Revised IE(I) Handbook at 726th Council Meeting

Dr. S DHARMALINGAM, Chairman/CCC chaired the second meeting of the Centres Coordination Committee for the session 23-24, held on 14th June 24 on the sidelines of the 726th Council meeting hosted by IEI's Kathmandu Overseas centre. The Chairmen of State Centres and the chairmen of identified Local Centres are the members of the Centres Coordination Committee.



Persons from L to R : Dr. NUTAN KUMAR DASH, Vice President, Dr. G RANGANATH, President, Dr. S DHARMALINGAM, Chairman/CCC, Maj Gen (Dr) MJS SYALI, SDG, Er. SUKHVIR SINGH MUNDI, Vice President

The Bye-Laws, Regulations, Rules and Code of Ethics Amendment Committee (BRRCAC) has decided that a Handbook for IEI Centres comprising of guidelines for technical activities, financial norms and rules for Centres, Guidelines for IEI Examinations, norms for Students' / Technicians' Chapter, Service Rules for IEI Staff be prepared and circulated to all Centres for their use. The aim of making this Handbook is to facilitate IEI Centres to have information on various activities from a single source which are required to run the Centre. Accordingly, the earlier available handbook was totally updated by IEI HQ. Additionally, guidelines for IEI Examinations and Service Rules for Employees were included in the Handbook. This Handbook was released by our President Dr. G. Ranganath and the first copy was received by Dr S Dharmalingam, Chairman / CCC, in the 79th meeting of the CCC held on 14 June 24.

Forthcoming Technical Activities

Date	Title	Venue
26,27.07.2024	All India Seminar on "Green Manufacturing"	Thiagarajar Polytechnic College Salem
30,31.07.2024	All India Workshop on "Perspectives of Microbial Concrete & other Sustainable Construction Materials"	SRM Valliammai Engineering College, Kattankulathur
01,02.08.2024	All India Seminar on "Advanced Technologies in Agriculture for Sustainable Development and its applications"	

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Posted on 15th July 2024 : Posted at Egmore RMS (Patrika)

Bulletin

IF UNDELIVERED RETURN TO : The Institution of Engineers (India) Tamilnadu State Centre, 19, Swami Sivananda Salai, Chepauk, Chennai - 600 005.

Phone : 044-2536 0614 / 9962950333 | Email : ieitamilnadu@gmail.com / tnsc@ieindia.org, | Website : www.ieitnsc.org

Printed by Er.D.Gokul, Honorary Secretary and Published on behalf of The Institution of Engineers (India) Tamilnadu State Centre, 19,Swami Sivananda Salai, Chepauk, Chennai-600005 and printed at Sunitha Printers,193,Peters Road, Chennai 600014.

Editor: Er. D. Gokul, Honorary Secretary