

The Institution of Engineers (India)

Coimbatore Local Centre

Quarterly Newsletter

April 2026 | Volume 10

Dr J Pradeep Kumar FIE
Honorary Secretary, IEI CLC

Dr M Senthilkumar FIE
Chairman, IEI CLC



The Chairman's Desk

It gives me immense pleasure to share the highlights of the recent activities of our Centre. The past quarter has been highly productive, marked by the observance of Regional Language Promotion Day, World Engineering Day for Sustainable Development and World Water Day.

During this period, the Centre organised several All India Seminars and Technical Webinars focusing on emerging areas such as AI-powered AR/VR technologies, distributed energy systems and power quality, additive manufacturing, green manufacturing, sustainable infrastructure and energy management, along with a technical lecture on waste minimisation. These programmes witnessed active participation from professionals, academicians, and students, reflecting the growing engagement of our engineering community. A key highlight was the 14th Dr V Ramakrishnan Endowment Lecture, which provided valuable insights into urban transformation and economic growth in emerging cities.

In the forthcoming quarter, the Centre looks forward to observing National Maritime Day, World Telecommunication and Information Society Day and World Environment Day along with seminars on climate action, aerospace structural diagnostics, nanomaterials in construction and innovative waste management solutions. These initiatives are expected to further strengthen knowledge exchange and interdisciplinary collaboration.

I sincerely thank all our members, institutional partners and organising teams for their continued support. Together, let us continue to promote knowledge sharing and engineering excellence.

Dr M Senthilkumar FIE
Chairman, IEI CLC

Regional Language Promotion Day

25.02.2026



IEI Coimbatore Local Centre, in association with Department of Civil Engineering, Coimbatore Institute of Technology (CIT), Coimbatore, organized a technical lecture on “கட்டிடநிலைத்தன்மையில் கற்காரையின் பங்கு - Role of Concrete in Building Sustainability” on the occasion of Regional Language Promotion Day on 25.02.2026. The lecture was delivered by Er P Praveen Kumar, Managing Partner, SPI Infra, Coimbatore. Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre, welcomed the guest speaker and the participants. He also briefed the gathering about the significance of Regional Language Promotion Day observed by IEI. Dr R Satyanarayan Sridhar, Professor & Head, Department of Civil Engg, CIT, felicitated the event.

Er P Praveen Kumar elaborated on the physical and mechanical properties of traditional building materials, highlighting their durability, eco-friendliness, and applications in modern construction. He effectively illustrated, with practical examples, on usage of traditional knowledge and modern engineering methods be combined to create sustainable buildings. He also emphasized the importance of selecting locally available materials to reduce environmental impact and construction costs. Finally, the vote of thanks was delivered by Dr M Kaarthik, Committee Member, IEI Coimbatore Local Centre & Assistant Professor, Department of Civil Engg, CIT.

World Engineering Day for Sustainable Development

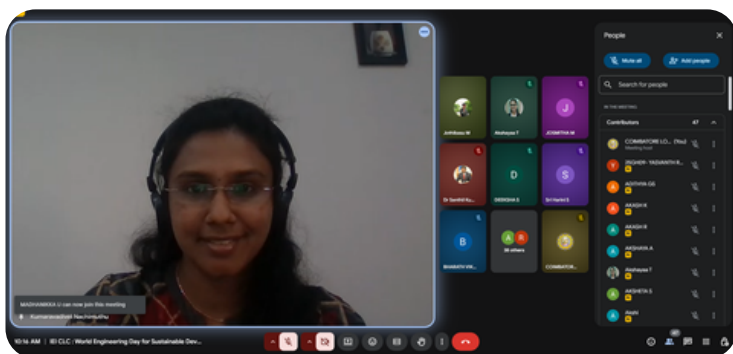
07.03.2026

The Institution of Engineers (India), Coimbatore Local Centre celebrated “World Engineering Day for Sustainable Development” with a technical webinar on “AI-Driven Smart VLSI Optimization” in partnership with the Department of Electronics and Communication Engineering, PSG Institute of Technology and Applied Research (PSG iTech), Coimbatore, on 07.03.2026. The lecture was delivered by Ms K Srreenandhini, Senior Engineer, SanDisk India Device Design Center, Bangalore.

Dr M Senthilkumar, Chairman, IEI Coimbatore Local Centre, delivered the welcome and presidential address and highlighted the importance of celebrating World Engineering Day to recognize the contributions of engineers toward sustainable development and technological innovation. Dr M Jothibas, IEI Institutional Coordinator and Assistant Professor, Department of ECE, PSG iTech, introduced the guest speaker.

Ms K Srreenandhini explained the role of Artificial Intelligence in modern VLSI design and optimization. She discussed how AI-based techniques can improve design efficiency, reduce verification time, and enhance the performance of semiconductor systems. She also shared her professional experiences from the semiconductor industry, helping participants understand real-world challenges and opportunities in VLSI design and verification. She further highlighted the growing demand for skilled engineers in the semiconductor domain and the importance of continuous learning in emerging technologies.

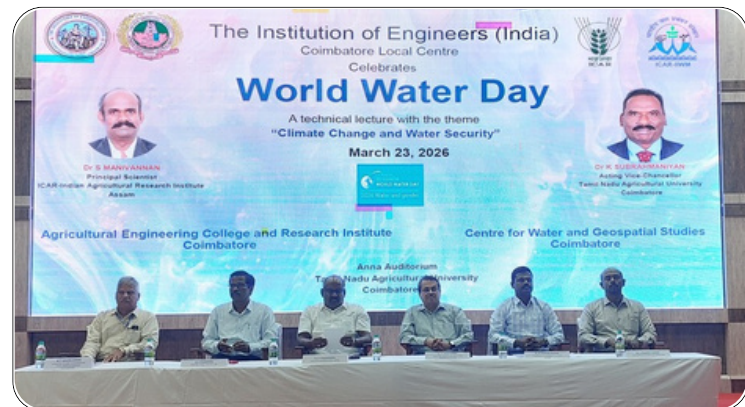
The webinar concluded with a vote of thanks proposed by Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre, who expressed his gratitude to the speaker, the organizing institution, and all the participants for making the event a success.



World Water Day

23.03.2026

IEI Coimbatore Local Centre organized a technical lecture on “Climate Change and Water Security” on the occasion of World Water Day 2026, with the theme “Water and Gender” in collaboration with Agricultural Engineering College and Research Institute (AEC&RI), Tamil Nadu Agricultural University (TNAU), Coimbatore, on 23.03.2026. The guest speaker was Dr S Manivannan, Principal Scientist, ICAR-Indian Agricultural Research Institute, Assam. Dr M Senthilkumar, Chairman, IEI Coimbatore Local Centre, welcomed the guest speaker and the participants. This was followed by felicitations by Dr P Rajkumar, Dean (Agricultural Engg), AEC&RI, TNAU and Dr K Mahendran, Director, Centre for Water and Geospatial Studies, TNAU. Dr T Senthilkumar, Committee Member, IEI Coimbatore Local Centre and Principal Scientist, ICAR-Central Institute of Agricultural Engineering Regional Centre, introduced the chief guest to the participants.



Dr S Manivannan highlighted the increasing pressure on water resources due to population growth, industrialization, and agriculture. He explained how climate change affects rainfall patterns, temperature, and hydrological cycles. He discussed impacts such as reduced runoff, increased evapotranspiration, and soil moisture loss, and also emphasized the growing occurrence of extreme events like floods and droughts. Dr Manivannan introduced the concept of Water Use Efficiency (WUE) and its importance in agriculture, stressing that WUE should be combined with climate-resilient strategies. Practical examples of water harvesting and groundwater recharge structures were also presented. During the event, prizes were distributed to the winners of the World Water Day competitions.

Finally, the vote of thanks was delivered by Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre.

All India Seminar on “AI-powered Augmented Reality and Virtual Reality Technologies”

07-08 January 2026



IEI Coimbatore Local Centre, in association with Department of Computer Networking, PSG Polytechnic College (PSG PTC), Coimbatore, organized an All India Seminar on “AI-powered Augmented Reality and Virtual Reality Technologies” - அகில இந்திய கருத்தரங்கு தலைப்பு: “செயற்கை நுண்ணறிவு சார்ந்த ஆக்மெண்டட் ரியாலிட்டி மற்றும் வர்ச்சுவல் ரியாலிட்டி தொழில்நுட்பங்கள்” under the aegis of NLPC, IEI, on 07-08 January 2026.

The seminar commenced with the inaugural function, Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre, delivered the welcome address. This was followed by the felicitation address by Dr B Giriraj, Principal, PSG PTC. Dr S Brindha, HoD, Department, Dept of Computer Networking, PSG PTC, presented an overview of the seminar. The chief guest address was delivered by Mr T Gift Selvin, Director - Learning & Innovation, Maxbyte Technologies Services Pvt Limited, Coimbatore. In his address, he highlighted the role of Industry 4.0, AI-driven immersive technologies and experiential learning in transforming manufacturing, training and education ecosystems. The inaugural session concluded with the vote of thanks proposed by Ms T Rajeshwari, Lecturer, Dept of Computer Networking, PSG PTC.

The first technical lecture on “Augmented Reality and Virtual Reality Introduction” was delivered by Mr T Gift Selvin. The session provided a comprehensive introduction to AR and VR concepts, devices, platforms, and real-world applications. The second lecture on “AR and VR Improves Education and Training & AI with AR and VR Transforms Healthcare” was delivered by Ms T Jeya Bharathi, Team Lead, Cognizant Technology Solutions, Coimbatore. She highlighted how immersive technologies improve learning outcomes, simulation-based training, and healthcare solutions.

The third technical lecture on “AI, AR, and VR Enhance Gaming and Entertainment” was handled by Mr M J Divith, XR Game Developer, Dot World Technologies Pvt Limited, Coimbatore. He explained the impact of AI-driven AR and VR technologies in gaming, animation, and interactive entertainment.

The afternoon session featured technical paper presentations, with 7 papers presented by participants across diverse and innovative themes. The papers focused on areas such as AI-driven learning systems, precision prognostic models in healthcare, multilingual healthcare platforms for rural India, proactive network fault detection, secure video surveillance, child safety systems, and deep fake image detection. The fourth lecture on “Ethical and Social Issues in AI-based AR and VR” was delivered by Mr Syed Ibrahim Abdul Rajak, Regional Manager, Shaansun Technology Solutions, Coimbatore. He discussed ethical challenges, data privacy concerns, and the social impact of immersive technologies, emphasizing the importance of responsible AI development. The fifth technical lecture on “Collaboration among Different Fields for AR, VR and AI” was presented by Mr Arun Rajeev, Managing Director & Founder, I-RoboChakra, Coimbatore. He highlighted the importance of interdisciplinary collaboration and shared real-world case studies demonstrating the integration of AI, AR, and VR across multiple domains. The sixth lecture on “Future Developments in AI, AR, and VR & Adversarial Data Affects AI in AR and VR” was delivered by Mr Vishnu Karthiklu, Senior Software Engineer, Bosch Global Software Technologies, Coimbatore. He discussed emerging trends, future research directions, and challenges related to adversarial data in immersive AI systems.

The afternoon session on the second day also featured technical paper presentations, with 9 papers presented by participants across various emerging technology domains. The presentations covered topics such as satellite-driven crop phenology detection, IoT-based water management, AI-assisted mobile robots, leaf disease prediction, real-time scene captioning for the visually impaired, VR simulation systems, immersive 3D game environments, autonomous medical drone systems, and automated storage and retrieval systems in healthcare. The seminar concluded with a valedictory session followed by the distribution of certificates to all participants and paper presenters.

All India Seminar on “Distributed Generation & Power Quality: Navigating Grid Integration Challenges”

12-13 February 2026

IEI Coimbatore Local Centre, in partnership with Department of Electrical and Electronics Engineering, KPR Institute of Engineering and Technology (KPRIET), organized an All India Seminar on “Distributed Generation & Power Quality: Navigating Grid Integration Challenges” under the aegis of the ELDB, IEI on 12-13 February 2026. The seminar commenced with the inaugural function, where Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre, delivered the welcome address. This was followed by an overview of the seminar by Dr K Mohana Sundaram, Professor & Head, Department of EEE, KPRIET. The chief guest, Dr G Saravana Ilango, Professor, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli, delivered the inaugural address, emphasizing the global significance of distributed generation and power quality in addressing grid integration challenges. The session concluded with the vote of thanks proposed by Dr A Mohamed Ibrahim, Assistant Professor, Department of EEE, KPRIET.

The first technical session on “Application of FACTS for Distributed Generation and Power Quality” was handled by Dr G Saravana Ilango. He addressed technical challenges in integrating distributed generation, such as voltage instability, harmonics, and reactive power issues. The second session on “Smart Industrial Microgrid for Peak Demand Management in Heat Treatment Operations - Real Time Case Study” was delivered by Dr B Somasundaram, Managing Director, Domoretch Consultancy Services Private Limited, Coimbatore. He focused on peak demand management in industrial heat treatment operations using smart microgrid architecture.



A special lecture on “Realtime Monitoring and PQ System Study” was presented by Mr S Rajkumar, EMS Engineer, NIRT Renewable Energy Private



Limited, Salem. He explained the importance of real-time monitoring in maintaining power quality and system reliability. The third session on “Grid Forming and Grid Following Inverters” was delivered by Dr K Mohana Sundaram, Professor & Head, Department of EEE, KPRIET. He explained the fundamental differences between grid-forming and grid-following inverter control strategies and emphasized the role of grid-forming inverters in low-inertia and renewable-dominated power systems. A case study lecture “Kadamparai Pumped Hydro Storage as a Renewable Energy Source - Case Study” was delivered by Er N S Namasivayam, Former Chief Engineer - Electrical, TANGEDCO. He explained the operational principles of pumped hydro storage and its role in renewable energy integration.

The fifth technical presentation on “Necessity of DER and Understanding of Power Quality” was given by Er R Kathirasan, Assistant Engineer, Tamil Nadu Electricity Board. He emphasized the growing importance of Distributed Energy Resources (DER) in modern power systems and explained how increasing renewable penetration affects voltage stability, harmonics, and system reliability.

This was followed by a sixth technical talk on “Impact of Inverter-Based Resources on Voltage Stability” by Mr Mohan Kumar, Assistant Lead Engineer - Global Grid Solutions, Vestas Wind Technology India Private Limited, Chennai. He discussed the increasing penetration of inverter-based resources in modern power systems and explained their influence on voltage stability due to reduced system inertia and fast electronic control. The seventh technical session on “Real-Time Monitoring and PQ Measurement Techniques” was delivered by Dr L Ashok Kumar, Principal, Thiagarajar College of Engineering, Madurai. He emphasized the importance of continuous monitoring for maintaining power quality in modern power systems. The program concluded with a valedictory session and distribution of certificates to the participants.

All India Seminar on “Selective Laser Melting Fundamentals and Metallurgical Aspects of Additive Manufacturing”

06-07, March 2026

The Institution of Engineers (India), Coimbatore Local Centre organized an All India Seminar on “Selective Laser Melting Fundamentals and Metallurgical Aspects of Additive Manufacturing” under the aegis of the MMDB, IEI in collaboration with Department of Metallurgical Engineering, PSG College of Technology (PSGCT), Coimbatore and Centre of Excellence in Welding Engineering and Technology (Ministry of Heavy Industries, Government of India) during 06-07 March 2026.



In the inaugural function, Dr J Krishnamoorthi, Immediate Past Chairman, IEI Coimbatore Local Centre delivered the welcome address. Dr R Sivasankari, Committee Member, IEI Coimbatore Local Centre & Assistant Professor, Dept of Metallurgical Engg, PSGCT, presented an overview of the seminar. The chief guest, Dr S Kanmani Subbu, Associate Professor, Department of Mechanical Engg, Indian Institute of Technology Palakkad, delivered the inaugural address and elaborated on the importance of laser material processing. Dr S Prabhakaran, Joint Honorary Secretary, IEI Coimbatore Local Centre, proposed the vote of thanks.

The first technical session on “Fundamentals of Selective Laser Melting” was delivered by Dr S Kanmani Subbu. He introduced the fundamentals of Selective Laser Melting, an advanced metal additive manufacturing process that uses a high-power laser to selectively melt metal powders layer by layer to build complex components. The second session on “Laser Material Interaction and Thermal Behavior in SLM” was delivered by Dr R Sivasankari, Assistant Professor, Department of Metallurgical Engg, PSGCT. She explained how laser energy interacts with metal powder, leading to melting, solidification, and melt pool formation.

The third technical session on “Design for Additive Manufacturing” was delivered by Er Shaurya Bharadwaj, Engineer - Application, Intech Additive Solutions Pvt Limited, Bengaluru. He discussed important design guidelines for additive manufacturing, including topology optimization, lightweight structures and part consolidation. The fourth session on “Industrial Applications of Selective Laser Melting” was delivered by Er Sai Pavan Kunapareddy, Engineer - Application & Service for Additive Manufacturing, Intech Additive Solutions Pvt Limited, Bengaluru. He highlighted the application of SLM technology in industries such as aerospace, automotive, and healthcare for producing complex and lightweight components.

The fifth technical session on “Directed Energy Deposition: Principles, Process and Applications” was delivered by Dr S Prabhakaran, Assistant Professor, Dept of Robotics and Automation Engg, PSGCT. He explained the working mechanism of Directed Energy Deposition, in which focused thermal energy is used to melt and deposit material simultaneously. The sixth technical session on “Selective Laser Melting: Machine Operation and Process Workflow” was delivered by Dr J Krishnamoorthi, Professor & Head, Dept of Metallurgical Engg, PSGCT. He explained the step-by-step workflow involved in SLM, including powder preparation, parameter selection, layer-by-layer fabrication, and post-processing.

The afternoon session featured seven paper presentations on various themes related to additive manufacturing and laser processing. The papers covered topics such as LPBF alloys, SLM-produced stainless steel, wire arc additive manufacturing, Co-Cr alloy coatings, Hastelloy C22, and functionally graded materials. These presentations highlighted recent research advancements and practical developments in the field of additive manufacturing. The program concluded with a valedictory session and distribution of certificates to the participants.



All India Seminar on “Advancing Sustainability through Green Manufacturing: Challenges and Opportunities”

09-10 March 2026

IEI Coimbatore Local Centre, in association with Department of Production Engineering, PSG College of Technology (PSG CT), organized an All India Seminar on “Advancing Sustainability through Green Manufacturing: Challenges and Opportunities” under the aegis of PRDB, IEI, on 09-10 March 2026.

The seminar commenced with the inaugural function, where Dr M Senthilkumar, Chairman, IEI Coimbatore Local Centre delivered the welcome and presidential address. An overview of the seminar was presented by Dr C Vigneswaran, Assistant Professor, Department of Production Engineering, PSG CT. Dr Renjin J Bright, Assistant Professor, Department of Production Engineering, PSG CT, introduced the chief guest, Er Sreenivas Naidu, Executive Director and Plant Head, ZF Wind Power Coimbatore Private Limited, Coimbatore, who emphasized the importance of green manufacturing practices and the circular economy. The session concluded with the vote of thanks proposed by Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre.

The first invited lecture was delivered by Er Sreenivas Naidu on the topic “Circular Economy and Waste Management Practices”. He emphasized the growing importance of adopting sustainable practices in modern industrial operations.



The next lecture was delivered by Dr V Sowmya, Associate Professor, School of Artificial Intelligence, Amrita Vishwa Vidyapeetham, Coimbatore, on the topic “Green Manufacturing Through Artificial Intelligence: Challenges and Opportunities”. She emphasized the increasing role of Artificial Intelligence (AI) in enabling sustainable and environmentally responsible manufacturing practices.

The third invited lecture was delivered by Dr N Senthil Prabhu, Director, International Center for Lean and Six Sigma Research, Coimbatore, on the topic “Driving Sustainability Through Lean Six Sigma”. He provided an in-depth overview of the principles of Lean Manufacturing and Six Sigma, explaining how these methodologies help organizations improve efficiency, eliminate waste, and enhance process quality. The fourth invited lecture was delivered by Er S Sivashankaran, Quality Engineer, Well Construction Equipment, SLB (Schlumberger), Coimbatore, on the topic “Quality in Green Manufacturing”. He highlighted the critical role of quality management in achieving sustainable and environmentally responsible manufacturing practices. The fifth invited lecture was delivered by Er V V Vaidyaraman, Technical Director, Bosch Global Software Technologies Pvt Limited, Coimbatore, on the topic “Green Manufacturing - A Sustainable Approach”. He discussed the fundamental concepts and principles of green manufacturing and its significance in promoting sustainable industrial development.



The sixth lecture was delivered by Dr Chakradhar Dupadu, Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology, Palakkad, on the topic “Sustainable Machining”. He discussed the importance of adopting sustainable machining practices to improve manufacturing efficiency while reducing environmental impact. The seventh invited lecture was delivered by Er Aditeya Murugappan, Technical Director, Sree Meenakshi Groups, Coimbatore, on the topic “BPS vs TPS: Challenges in Implementation and Cultural Differences in Adapting Lean Manufacturing Systems”. He provided an insightful comparison between the Bosch Production System and the Toyota Production System, highlighting their underlying principles and practical applications in modern manufacturing environments.

The eighth lecture was delivered by Dr P Krishna Kumar, Associate Professor, Department of Mechanical Engineering, School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, on the topic “Sustainable Manufacturing”. He explained the fundamental principles and core concepts of sustainable manufacturing.

Technical Webinar on “Next-Gen Infrastructure for a Sustainable Future”

16.03.2026



The Institution of Engineers (India), Coimbatore Local Centre in association with Department of Civil Engineering, Akshaya College of Engineering and Technology, Coimbatore, organized a Technical Webinar on “Next-Gen Infrastructure for a Sustainable Future” under the aegis of CVDB, IEI.

The webinar commenced with a welcome address by Dr M Senthilkumar, Chairman, IEI Coimbatore Local Centre, who welcomed the speakers and participants and set the stage by emphasizing the significance of next-generation infrastructure for a sustainable future. The first technical session was delivered by Dr Prabhat Ranjan Kumar Soda, Senior Engineer - R&D, Debrigue Creative Labs Private Limited (Modulus Housing), Chennai. He presented key issues related to the global infrastructure challenge, emphasizing that conventional concrete is one of the largest contributors to carbon emissions. He highlighted that next-generation infrastructure technologies are transforming construction practices through automated, layer-by-layer robotic systems that eliminate the need for formwork, reduce labour requirements, and significantly minimize construction waste. He concluded that innovation will play a defining role in shaping future infrastructure and emphasized the importance of adopting these technologies to achieve a cleaner and more resilient built environment.

The second technical session was delivered by Dr Surender Manickam, Associate Professor (Grade I), School of Civil Engineering, Vellore Institute of Technology, Vellore. He discussed the role of remote sensing as the “nervous system” of next-generation sustainable infrastructure, emphasizing its importance in continuous monitoring, real-time analysis, and disaster resilience.

He explained that true sustainability is closely linked to disaster resilience, noting that infrastructure cannot be considered sustainable if it fails during crises. He highlighted that remote sensing enables the development of adaptive, data-driven, and resilient systems by detecting early warning signs and preventing sudden failures. Referring to disasters in India such as floods, cyclones, and landslides.

The third technical session was delivered by Dr N Lingeswaran, Assistant Professor, Department of Civil Engineering, KL University, Guntur, Andhra Pradesh. He presented case studies on commercial buildings, focusing on the use of recycled materials in construction. He highlighted how the adoption of recycled materials contributes to sustainability by reducing environmental impact and minimizing construction waste. He concluded that incorporating recycled materials is a key step toward achieving environmentally responsible and sustainable infrastructure.

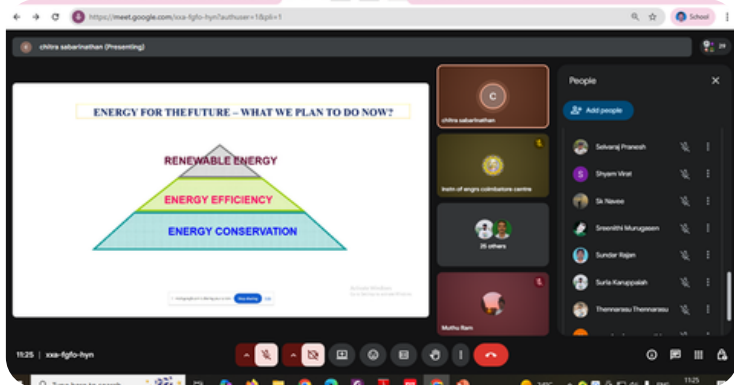
The moderator commended the discussions and highlighted the central theme of the webinar, “Next-Gen Infrastructure for a Sustainable Future,” which brought together transformative domains shaping modern civil engineering. She noted that the sessions effectively demonstrated how 3D printing in construction is emerging as a revolutionary technology capable of reducing construction time, minimizing material wastage, and lowering carbon emissions. She concluded by appreciating the valuable insights shared by the resource persons and noted that the webinar successfully bridged the gap between research and practical applications for the benefit of engineers, researchers, and industry professionals. The interactive question-and-answer session was conducted by Dr R Premsudha, Professor & Head, Department of Civil Engineering, Akshaya College of Engineering and Technology, Coimbatore, during which participants actively engaged with the speakers on practical challenges and solutions related to sustainable infrastructure development.

The event concluded with a formal vote of thanks by Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre, who expressed his gratitude to the speakers, organizing institution, participants, and all those who contributed to the successful conduct of the webinar. to the esteemed speakers, participants and organizers for their valuable contributions.

Technical Webinar on “The Energy Manager: A Bridge between Facilities, Finance, and Sustainability Teams”

22.01.2026

IEI Coimbatore Local Centre organized a technical webinar on “The Energy Manager: A Bridge between Facilities, Finance, and Sustainability Teams” in collaboration with Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore, on 22.01.2026. The lecture was delivered by Dr L Chitra, Associate Professor, Department of Electrical and Electronics Engineering, Dr Mahalingam College of Engineering and Technology, Pollachi.



Dr M Senthilkumar, Chairman, IEI Coimbatore Local Centre, gave the welcome and presidential address. Dr N P Ananthamoorthy, Professor and Head, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, introduced the guest speaker.

Dr L Chitra delivered an insightful webinar focusing on the critical role of energy managers in bridging the functions of facilities, finance, and sustainability. She explained how the use of high-quality, normalized data supports ROI-driven and sustainable infrastructure projects. The session emphasized the importance of fostering collaboration across departments, leveraging financial-grade data for informed decision-making, and reinvesting energy savings to strengthen both sustainability initiatives and financial performance.

Dr Chitra also discussed methods for developing multi-year, resilient, and sustainable infrastructure plans. In addition, she urged educational institutions to actively promote awareness on energy conservation.

Finally, the vote of thanks was proposed by Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre.

Technical Lecture on “War on Waste (MUDA Elimination)”

30.01.2026

The Institution of Engineers (India), Coimbatore Local Centre in association with Department of Production Engineering, PSG College of Technology, Coimbatore, organized a technical lecture on “War on Waste (MUDA Elimination)” on 30.01.2026. The lecture was delivered by Er V G Iyer, Consultant - Industrial Engineering, Pune.

Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre, delivered the welcome address and presided over the session. Dr R Naveen Anthuvan, Assistant Professor (Senior Grade), Department of Production Engineering, PSG College of Technology, introduced the resource person.

The technical session on “War on Waste (MUDA Elimination)” was delivered by Er V G Iyer. He explained the concept of MUDA in industrial engineering and emphasized systematic methods to identify and eliminate waste in processes to improve productivity, efficiency, and cost-effectiveness. He elaborated on the different types of waste commonly found in industries and suggested practical approaches to minimize them.

The session highlighted the importance of continuous improvement practices and lean principles in achieving operational excellence. He also shared practical examples from industrial environments to illustrate how waste reduction leads to measurable performance improvements. The lecture encouraged participants to adopt a proactive approach toward process optimization and effective resource utilization.



Finally, the vote of thanks was delivered by Dr S Prabhakaran, Joint Honorary Secretary, IEI Coimbatore Local Centre.

14th Dr V Ramakrishnan Endowment Lecture on “Urban Transformation in Tier-II and Tier-III Cities: Shaping the Next Wave of Economic Growth”

27.02.2026



The Institution of Engineers (India), Coimbatore Local Centre organized the 14th Dr V Ramakrishnan Endowment Lecture on “Urban Transformation in Tier-II and Tier-III Cities: Shaping the Next Wave of Economic Growth” in partnership with Department of Civil Engineering, PSG College of Technology (PSG CT), Coimbatore on 27.02.2026.

Dr M Senthilkumar, Chairman, IEI Coimbatore Local Centre, welcomed the gathering and presided over the meeting. Er C G Sivakumar, Associate Professor and Head, Department of Civil Engineering, PSG CT, delivered the felicitation address. Dr S Praveen Kumar, Associate Professor and Head, Department of Civil Engineering, PSG CT, briefed the audience about the Endowment Lecture. Dr A K Priya, Committee Member, IEI Coimbatore Local Centre, introduced the Chief Guest.

The Chief Guest, Shri W R Harinarayanaraj, Chief Executive Officer, Construction Skill Development Council of India, delivered the endowment lecture on the topic “Urban Transformation in Tier-II and Tier-III Cities: Shaping the Next Wave of Economic Growth”.

In his lecture, Shri W R Harinarayanaraj elaborated on how urban transformation in Tier-II and Tier-III cities is emerging as a powerful driver of India’s next phase of economic growth. He explained that improved infrastructure, digital connectivity, industrial corridors and smart governance are attracting investments beyond metropolitan regions.

He further highlighted that affordable land, lower living costs and expanding talent pools are encouraging MSMEs, startups and the manufacturing sector to flourish. He also spoke about Government initiatives such as the Smart Cities Mission and AMRUT, which are strengthening urban services and promoting sustainability. Overall, he emphasized that these developments are positioning smaller cities as dynamic hubs of inclusive and balanced regional development.



The members appreciated the lecture and opined that the information shared was highly useful and effectively presented.

Finally, the meeting concluded with a vote of thanks proposed by Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre.



Forthcoming Activities

One Day Seminar on “**Climate Action for a Sustainable Future: Infrastructure, Innovation and Circular Economy**” under the aegis of ENDB, IEI in association with Department of Civil Engineering, Hindusthan College of Engineering and Technology, Coimbatore on 08.04.2026.

One Day Seminar on “**Diagnostics and Repairs of Aerospace and Defense Structures**” under the aegis of ASDB, IEI in association with Department of Aeronautical Engineering, Kumaraguru College of Technology, Coimbatore on 17.04.2026.

One Day Seminar on “**Nano Materials in Construction: The Future of Smart and Sustainable Buildings**” under the aegis of ARDB, IEI in association with Department of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore on 22.04.2026.

One Day Seminar on “**Innovative Solutions for Waste Management: Harnessing Modern Technologies to Tackle Trash**” under the aegis of CVDB, IEI in association with Department of Civil Engineering, Akshaya College of Engineering and Technology, Coimbatore on 04.05.2026.

40th National Convention of Production Engineers and National Seminar on “**Sustainable Smart Manufacturing for Circular Economy**” under the aegis of PRDB, IEI in association with Department of Production Engineering, PSG College of Technology, Coimbatore on 19-20 June 2026.

39th National Convention of Metallurgical & Materials Engineers and National Seminar on “**Pioneering Materials for Strategic Defence, Nuclear and Space Endeavors**” under the aegis of MMDB, IEI in association with Department of Metallurgical Engineering, PSG College of Technology, Coimbatore on 17-18 July 2026.

New Membership [For Online Applications]		
AMIE Associate Member ₹ 7,080/-	MIE Member ₹ 12,980/-	FIE Fellow ₹ 24,780/-
Lifetime Membership	Lifetime Membership	Lifetime Membership
Criteria	Criteria	Criteria
Age 21 Years	Minimum Age 30 Years	Minimum Age 40 Years
Qualification BE/B.Tech or Equivalent	Qualification BE/B.Tech or Equivalent	Qualification BE/B.Tech or Equivalent
	Experience 8 Years post qualification Experience	Experience 15 Years post qualification Experience

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