



The Institution of Engineers (India)

Coimbatore Local Centre

Quarterly Newsletter

July 2025 | Volume 7

Dr G Madhan Mohan FIE
Honorary Secretary, IEI CLC

Dr J Krishnamoorthi FIE
Chairman, IEI CLC



The Chairman's Desk

It gives me immense pleasure to share the highlights of our centre activities. The past quarter has been vibrant with significant observances such as National Maritime Day, World Telecommunication and Information Society Day & World Environment Day. In addition, we conducted a series of technical events that received enthusiastic participation from professionals and academia. These included seminars and webinars on Redesigning Technical Textiles for Circular Economy, Artificial Intelligence in Fashion and Chemical Processes, Smart City Planning, Embedded IoT Systems and Quantum Computation.

In the upcoming quarter, we have an exciting line-up of seminars on trending and impactful themes such as Modelling and Simulation in Material Processing, CAD-Based Textile Product Development, Smart Manufacturing, Aerospace Materials, 3D Printing in Civil Engineering, AI in Healthcare and Electric Vehicle Hardware Design. These initiatives aim to foster knowledge-sharing and promote engineering excellence across various engineering divisions. As we approach Engineers' Day 2025, nominations are invited for the "Outstanding Engineer Award" and the "Young Achiever Award". These awards are a prestigious recognition of exceptional contributions in engineering practice and innovation.

I thank our dedicated members, institutional partners and organizing teams for their unwavering support. Together, let us continue to empower engineering excellence.

Dr J Krishnamoorthi FIE
Chairman, IEI CLC

National Maritime Day 2025

04.04.2025

The Institution of Engineers (India), Coimbatore Local Centre organized a technical lecture on the theme "Current Challenges and Future Trends in the Maritime Industry" to mark the occasion of National Maritime Day 2025. The event was conducted in association with Coimbatore Marine College, Coimbatore on 04.04.2025.

The programme commenced with a welcome address by Dr G Madhan Mohan, Honorary Secretary, IEI Coimbatore Local Centre who greeted the guest speaker and participants. C/E Kaushik Das Gupta, Principal, Coimbatore Marine College, delivered the felicitation address.



The guest speaker, C/E Gopalanvelayudam, HoD, Department of Marine Engineering, Coimbatore Marine College, delivered an engaging and informative lecture. He discussed the various types of emissions from ships and the available methods for emission control, underscoring the need for sustainable maritime practices. He elaborated on the use of alternative fuels such as LNG and biofuels as potential solutions to reduce environmental impact. The event concluded with a vote of thanks proposed by Dr S Gopinath, Professor, Department of Marine Engineering, Coimbatore Marine College.

World Telecommunication and Information Society Day 2025

17.05.2025

IEI Coimbatore Local Centre celebrated World Telecommunication and Information Society Day 2025 on the theme “Invent, Include, Impact: Let’s Build Today and Design Tomorrow” in collaboration with Department of Electronics and Communication Engineering, PSG Institute of Technology and Applied Research (PSG iTech), Coimbatore on 17.05.2025. The event featured a technical lecture delivered by Ms Pournimaa Venkatraman, Automotive Software Architect, Bosch Global Software Technologies, Coimbatore.

The session began with a welcome and presidential address by Dr G Madhan Mohan, Honorary Secretary, IEI Coimbatore Local Centre, who highlighted the importance of digital innovation in shaping a sustainable and inclusive future. Dr M Jayasanthi, Professor, Department of ECE, PSG iTech, felicitated the event. Ms D Archana, Assistant Professor, Department of ECE, PSG iTech, introduced the guest speaker. Dr S Vijayarangan, Past Chairman, IEI Coimbatore Local Centre delivered a special address.

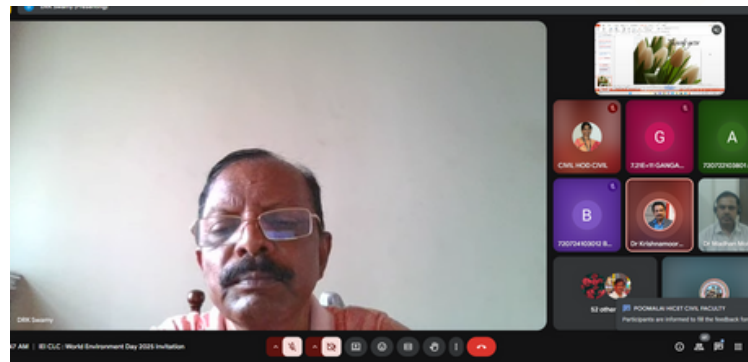


In her keynote address, Ms Pournimaa Venkatraman delivered a thought-provoking lecture, focusing on how emerging technologies such as 5G, IoT, and AI are playing a pivotal role in transforming industries, accelerating digital transformation, and narrowing the digital divide. She emphasized that inclusive innovation has the power to uplift diverse communities and ensure that technological progress is equitable and far-reaching. She also highlighted the crucial role of engineers in this dynamic landscape, encouraging them to adopt a forward-thinking approach.

The event concluded with a vote of thanks proposed by Dr M Jothibas, IEI Institutional Coordinator and Assistant Professor, Department of ECE, PSG iTech.

World Environment Day 2025

05.06.2025



IEI Coimbatore Local Centre celebrated World Environment Day 2025 with the theme “End Plastic Pollution” in partnership with Department of Civil Engineering, Hindusthan College of Engineering and Technology (HICET), Coimbatore on 05.06.2025. The event featured a technical lecture by Shri D R Kumaraswamy, Director, Prakruti Institute of Environmental Studies, Bengaluru and Former Chief Environmental Officer, Karnataka State Pollution Control Board, Bengaluru.

The programme commenced with the welcome and presidential address by Dr J Krishnamoorthi, Chairman, IEI Coimbatore Local Centre, who underscored the significance of observing World Environment Day to raise awareness and promote sustainable practices. Dr K Akil, Professor & Head, Department of Civil Engineering, HICET and Committee Member, IEI Coimbatore Local Centre, introduced the guest speaker.

Shri D R Kumaraswamy delivered a compelling and action-oriented talk on the topic “End Plastic Pollution”, stressing the need for a collective commitment to combat plastic waste. He elaborated on the major environmental challenges caused by plastic pollution and highlighted the critical role of regulatory frameworks, waste management practices and public engagement in addressing the issue. Drawing on his extensive experience, he discussed relevant environmental legislation and illustrated their real-world impact through case studies. He further emphasized that raising awareness through education, especially among youth, is key to nurturing eco-conscious communities. The event concluded with a vote of thanks by Dr G Madhan Mohan, Honorary Secretary, IEI Coimbatore Local Centre, who expressed his gratitude to the speaker, organizers and participants for making the event a success.

One Day Seminar on “Redesigning Technical Textiles for a Circular Economy: Paving the Way to Sustainability”

04.04.2025



IEI Coimbatore Local Centre organized a One Day Seminar on “Redesigning Technical Textiles for a Circular Economy: Paving the Way to Sustainability” in association with Department of Textile Technology, PSG College of Technology (PSGCT), Coimbatore on 04.04.2025.

The inaugural session began with a welcome address by Dr J Krishnamoorthi, Chairman, IEI Coimbatore Local Centre who shared the significance and relevance of the seminar’s theme in today’s industrial context. Dr G Thilagavathi, Past Chairperson, TXDB, IEI Kolkata and Professor & Head, Department of Textile Technology, PSGCT delivered the presidential address. Dr S Viju, Associate Professor, Department of Textile Technology, PSGCT, presented the seminar theme.

The chief guest, Er D Devadas, President Director, Texcoms Textile Solutions, Singapore addressed the gathering by highlighting the growing importance of redesigning technical textiles for a circular economy and their role in sustainable development.

The guest of honour, Er R Maheswaran, Category Head, S P Retail Ventures Ltd., Coimbatore emphasized the need for sustainability-driven innovation in technical textile product development. The session concluded with a vote of thanks delivered by Dr N Muthukumar, Assistant Professor, Department of Textile Technology, PSGCT. The first invited lecture titled “Vortex Yarn as Technical Yarns” was delivered by Er D Devadas. He discussed the unique properties of vortex yarn, produced using air-jet spinning and its application in technical textiles.

The second invited lecture, “Sustainable Retail in the Textile Industry”, was delivered by Er R Maheswaran. He addressed the evolving landscape of sustainable retail, focusing on the adoption of organic and biodegradable materials, circular fashion models, and responsible supply chain practices.

The afternoon session of the seminar featured a vibrant and intellectually engaging series of 15 technical paper presentations. Among the highlights were innovative studies on sustainable fibres and eco-conscious materials. Mr P Karnan presented his work on Recycled Fibre Production and Processing, while Ms M Jaya Bharathi shared her research on a Fungal Bio-Composite using Coir Matt for Sound Insulation. Mr S Rajesh Kumar explored Banyan Tree Root Fibre Composites and Mr Rishan Vikram discussed the use of Chromolaena Odorata Fibre in environmentally friendly textile applications. Mr D Ezhil Adidya introduced a novel concept of aerogels derived from PET bottle waste for thermal insulation and Mr R Gowthamraj presented an overview of mycelium-based composites. The session also included research by Mr J Jeevanandhini and Ms P Supraja on self-healing coir-reinforced composites and Ms Safrin Shynie A highlighted the use of banana fibre composites for packaging solutions.

Ms S Yosha and Ms A Ishwarya showcased natural fibre composites for insulation, while Ms M Harsaavarshini investigated the blending of human hair with protein fibres for thermal and oil sorption applications. Unique topics such as Ayurveda for babies using natural dyeing methods were presented by Ms MThogai Shri and Ms J Swetha Jayalakshmi discussed sustainable fashion through her concept, Capsule Closet. Further research included Ms R Nava Dharsha’s work on eco-friendly antibacterial treatments on cotton fabrics using coriander extract and Ms S Sally Moll presented on workwear design using pre-consumer textile waste. The session concluded with a compelling presentation by Mr E Maheshvaran, Mr T Dharanitharan and Mr S Ashwin on the fabrication of aerogels using water hyacinth fibre. The seminar concluded with a valedictory session and distribution of certificates to all participants and presenters. The event successfully highlighted the role of innovation, circular economy principles, and sustainability in the evolving landscape of technical textiles.

IEI Technical Webinar on “The Future of Fashion: Impact of Artificial Intelligence on Design and Production”

22.04.2025

IEI Coimbatore Local Centre in collaboration with Department of Textile Technology, Kumaraguru College of Technology, Coimbatore organized a technical webinar on the theme “The Future of Fashion: Impact of Artificial Intelligence on Design and Production”.

The webinar commenced with a presidential address by Dr J Krishnamoorthi, Chairman, IEI Coimbatore Local Centre, who welcomed the speakers and participants. He set the context for the session by emphasizing the transformative role of Artificial Intelligence (AI) in reshaping the fashion industry. He highlighted how AI has emerged as a game-changing tool in fashion design and production, enabling enhanced creativity, automation, efficiency and personalization. Dr Krishnamoorthi stressed the importance of embracing digital innovation in textile and apparel sectors to remain competitive and sustainable in the global market.

Dr Senthil Kumar Venkatalu, Head - PG Program, Department of Fashion Technology, National Institute of Fashion Technology (NIFT), New Delhi opened the session with an enlightening lecture on how AI is reshaping the fashion industry by redefining how clothing is designed, produced, and delivered. His presentation focused on two key areas: AI-assisted product design and sustainable production practices. In the realm of design, he concluded that the integration of AI not only enhances creativity and efficiency but also steers the industry toward greater environmental responsibility.



Mr Kumaraguru Kasinathan, Assistant Professor, Textile Design, NIFT Chennai delivered a compelling talk on the transformative power of AI in fashion, focusing on design innovation and production enhancement. He emphasized that AI is now a practical tool transforming how fashion is conceptualized and manufactured. He elaborated on how AI-powered personalization helps brands analyze consumer data to create collections tailored to specific market segments, improving engagement and customer satisfaction. He also spoke about AI-generated designs that leverage algorithms to develop trend-aligned styles and color palettes. He concluded by highlighting AI's capacity to forecast trends in real-time, enabling brands to proactively adapt to market shifts.



Mr Puneet Dudeja, Director - Business Development, South Asia, WGSN, Gurgaon focused his presentation on AI in branding, marketing and digital content creation. He explained how AI is now being used to simulate customer experiences, enabling brands to deliver more personalized and emotionally resonant campaigns. Mr Puneet Dudeja also explored how AI contributes to brand storytelling by helping visualize user environments, develop digital avatars, and design interactive content.

An interactive Q&A session, moderated by Dr Bhaarathi Dhurai from Department of Textile Technology and Dr V Nithyaprakash from Department of Fashion Technology, Kumaraguru College of Technology, offered valuable insights into the practical challenges and potential solutions of AI application in fashion.

The event concluded with a formal vote of thanks delivered by Dr G Madhan Mohan, Honorary Secretary, IEI Coimbatore Local Centre, who expressed gratitude to the distinguished speakers, participants and organizing team for their valuable contributions in making the webinar a success.

One Day Seminar on “Integrating Artificial Intelligence for Energy Efficiency and Sustainability in Chemical Processes”

25.04.2025

IEI Coimbatore Local Centre in partnership with Department of Chemical Engineering, KPR Institute of Engineering and Technology (KPRIET), Coimbatore organized a one day seminar on the theme “Integrating Artificial Intelligence for Energy Efficiency and Sustainability in Chemical Processes” on 25.04.2025.



The seminar commenced with a welcome address by Dr G Madhan Mohan, Honorary Secretary, IEI Coimbatore Local Centre. Dr S Balasubramanian, Professor and Head, Department of Chemical Engineering, KPRIET presented an overview of the seminar, emphasizing its relevance in the current technological landscape. The chief guest address was delivered by Dr Murali Rangarajan, Professor, Department of Chemical Engineering & Materials Science, Amrita Vishwa Vidyapeetham, Coimbatore. He highlighted the transformative role of AI in optimizing chemical processes, reducing environmental impact, and accelerating green innovations through technologies such as machine learning, digital twins, and process automation. The inaugural session concluded with a vote of thanks proposed by Lt Dr A K Priya, Committee Member, IEI Coimbatore Local Centre & Professor, Department of Chemical Engineering, KPRIET.

The first technical session was conducted by Dr Murali Rangarajan, on the topic “Utilizing Artificial Intelligence for Designing Efficient and Sustainable Chemical Processes”. Dr Murali Rangarajan began by highlighting the pressing need for sustainability in the chemical industry and the limitations of conventional process design methods.

The second session was delivered by Dr Virivinti Nagajyothi, Assistant Professor, Department of Chemical Engineering, National Institute of Technology, Tiruchirapalli who presented on the topic “Fuzzy Logic and Neural Networks in Chemical Process Systems”. Dr Virivinti Nagajyothi introduced the fundamental concepts of fuzzy logic and neural networks, emphasizing their significance in handling complex, nonlinear behavior in chemical process environments. She concluded by highlighting the potential of combining fuzzy systems and AI to enhance process efficiency.

The third session featured Dr Nandeesh Kumar, Chief Operating Officer, Navigate Labs, Coimbatore who spoke on “AI for Environment and Energy Applications”. Dr Nandeesh Kumar explained how Artificial Intelligence is emerging as a powerful tool in solving environmental issues and optimizing energy systems. He emphasized the need for collaboration among environmental scientists, engineers and data analysts to fully harness AI’s potential in promoting sustainability.



In the final session, Dr Kothai Ganesan, Assistant Professor, Department of CSE (AIML), KPRIET presented a talk titled “Empowering Sustainability: Leveraging Artificial Intelligence Enhanced Energy Efficiency”. She focused on the growing importance of AI in optimizing energy consumption across different industries. She elaborated on the use of intelligent control systems, machine learning models and predictive tools to improve energy efficiency and reduce environmental impact. She concluded her session by urging participants to embrace AI as a driver for sustainable innovation and encouraged interdisciplinary collaboration for impactful outcomes.

The seminar concluded with a valedictory session and the distribution of participation certificates. The event fostered knowledge exchange on cutting-edge AI applications in chemical engineering and sustainability, encouraging students and professionals to lead innovative, eco-friendly transformations in the industry.

All India Seminar on “Sustainable Urban Development: Green Architectural Engineering and Smart City Planning for a Greener Future”

08.05.2025 & 09.05.2025



IEI Coimbatore Local Centre in association with Department of Civil Engineering, KPR Institute of Engineering and Technology (KPRIET), Coimbatore, organized an All India Seminar on “Sustainable Urban Development: Green Architectural Engineering and Smart City Planning for a Greener Future” on 08.05.2025 & 09.05.2025.

The seminar began with the welcome address by Dr J Krishnamoorthi, Chairman, IEI Coimbatore Local Centre, who emphasized the role of industry-academia collaborations in shaping the next generation of civil engineers. Dr K S Elango, Associate Professor, Department of Civil Engineering, KPRIET provided a detailed overview of the seminar, focusing on its objectives. Mrs S Bharani, Assistant Professor, Department of Civil Engineering, KPRIET introduced the chief guest. Dr M J Gopinathan, Managing Director, JPG Housing & Projects (P) Limited, delivered the inaugural address, stressing the urgent need for eco-conscious construction practices and highlighting the contributions of private sector initiatives to green urban development. The vote of thanks was proposed by Dr V Rajeshkumar, Associate Professor, Department of Civil Engineering, KPRIET.

The first invited lecture was delivered by Dr M J Gopinathan on the topic “Innovative Building Materials”. He discussed sustainable construction materials like geopolymers concrete, recycled aggregates, bamboo reinforcement, and fly ash bricks. Er G Elangovan, Deputy City Engineer, Coimbatore Municipal Corporation, presented the second session titled “Smart City for Future – Challenges and Complexities”. He shared examples of successful initiatives in Coimbatore such as intelligent traffic systems

and smart water management, urging engineers to adopt resilient and inclusive urban strategies.

In the third session, Ms Anjana Suresh K Nair, Project Coordinator, Green Era Recyclers, Coimbatore, delivered a presentation on “Circular Economy through Urban Mining”. She introduced the concept of reclaiming valuable materials from urban waste and outdated infrastructure. The fourth session featured Mr V Kavinkumar, Assistant Professor, Department of Civil Engineering, KPRIET, who delivered a lecture on “Green Buildings for Urban Development”. He provided an overview of sustainable architecture, focusing on energy-efficient designs, water-saving techniques, and eco-friendly materials. He also discussed certification frameworks such as LEED and GRIHA.

Dr J Senophiyah Mary, Founder and Environmental Technical Expert, Howest Global, delivered the fifth session on “Advanced Waste Management for a Greener Future”. She advocated for decentralized waste treatment, source segregation, and active community involvement. Emerging technologies like biogasification, composting, and plasma gasification were discussed along with case studies from India and abroad. In the sixth session, Dr R Loganathan, Climate Tech Advisor, Howest Global spoke on “Closing the Urban Water Loop: TTRO as a Sustainable Solution for Wastewater Reuse”. He explained the design and benefits of Tertiary Treatment Reverse Osmosis (TTRO) systems in treating wastewater for non-potable urban and industrial use.

The final technical session featured paper presentations by authors highlighting innovative ideas in sustainable construction and urban planning. Topics included air-entrained concrete for improved durability, water resource management strategies, bio-concrete using *Bacillus* bacteria for self-healing structures, and traffic safety enhancements at transit stations. These presentations reflected the participants’ commitment to addressing real-world challenges through research-driven solutions.

The seminar concluded with a valedictory session, marking the end of knowledge sharing and fruitful discussions on sustainable urban development.

One Say Seminar on “Embedded IoT Innovations: Enhancing Connectivity with Sensors”

24.05.2025

IEI Coimbatore Local Centre in collaboration with Department of Electronics and Communication Engineering, PSG Institute of Technology and Applied Research (PSG iTech), Coimbatore, organized a one-day seminar on “Embedded IoT Innovations: Enhancing Connectivity with Sensors” on 24.05.2025.

The inaugural session commenced with a welcome address by Dr G Madhan Mohan, Honorary Secretary, IEI Coimbatore Local Centre, who highlighted the relevance of IoT technologies in modern applications. Dr P Vijayakumar, Professor and Head, Department of ECE, PSG iTech, delivered the felicitation address. Ms D Archana, Assistant Professor, Department of ECE, PSG iTech introduced the chief guest Dr C Bagavathi, Assistant Professor, Amrita Vishwa Vidyapeetham addressed the gathering with an overview of embedded systems, IoT, and sensor applications. The session concluded with a vote of thanks proposed by Dr M Jothibas, IEI Institutional Coordinator & Assistant Professor, Department of ECE, PSG iTech.

In the first technical session, Dr C Bagavathi delivered a talk on “Innovations in AI-Driven and Energy-Efficient IoT Sensors”. She explained the design and architecture of embedded systems, emphasizing the integration of microcontrollers, real-time operating systems, and sensor technologies. She discussed about commonly used IoT sensors and their interaction with embedded platforms, focusing on energy-efficient applications. The role of Artificial Intelligence in reducing power consumption and enhancing real-time decision-making at the edge was also emphasized.



The second session was delivered by Dr Vimalathithan Rathinasabapathy, Director, KRISHTEC, on the topic “Role of Embedded Sensors in IoT-Based Applications - Data Analytics for Connected Cars”. He explored how automotive sensors gather real-time data to support navigation, safety, and diagnostics. He also highlighted how data analytics and AI algorithms were applied for predictive maintenance and intelligent transportation. The session featured insights into V2X communication and the evolution of smart mobility systems.



In the third session, Dr D Sivaraj, Assistant Professor, Department of ECE, PSG College of Technology presented a lecture on “Challenges and Opportunities in Embedded Systems and IoT”. He explained the core functionalities of embedded systems computation, control, and communication & their critical role in IoT infrastructure. He illustrated the practical application of embedded sensors through his project on diesel tank theft detection, using ADXL345 accelerometers for motion and tilt sensing, showcasing real-world relevance.

The final technical session was delivered by Dr V Ananthanarayanan, Associate Professor, Department of Computer Science and Engineering, Amrita Vishwa Vidyapeetham. His lecture on “Low-Power IoT Devices for Real-Time Data Collection and Applications in Smart Cities and Healthcare” emphasized the role of IoT in Industry 4.0. He discussed about cyber-physical systems, automation, and smart data frameworks, “6 C’s of IoT” content, connectivity, cloud and beyond as essential elements for scalable IoT development in urban and health-focused environments.

The seminar concluded with a valedictory session, marking a day of insightful knowledge sharing on cutting-edge IoT applications.

One Day Seminar on “Exploring Quantum Frontiers: The Future of Computation”

27.06.2025

IEI Coimbatore Local Centre organized a One Day Seminar on “Exploring Quantum Frontiers: The Future of Computation” in partnership with Department of Electronics and Communication Engineering, Karpagam College of Engineering, Coimbatore on 27.06.2025.



The inaugural session began with a welcome address by Dr G Madhan Mohan, Honorary Secretary, IEI Coimbatore Local Centre, followed by an introduction to the seminar theme and objectives by Dr R Sarankumar, Professor and Head, Department of Electronics and Communication Engineering, Karpagam College of Engineering.

The keynote address was delivered by Dr P Saravanan, Associate Professor, Department of Electronics and Communication Engineering, PSG College of Technology, Coimbatore, who emphasized the future potential and disruptive capabilities of quantum computing. The session concluded with a vote of thanks by Dr S M Swamynathan, Associate Professor, Department of Electronics and Communication Engineering, Karpagam College of Engineering.

The first invited lecture titled “From Bits to Qubits: The Art of Quantum Circuit Design” was delivered by Dr P Saravanan. He introduced core concepts of quantum computing, including qubits, superposition, entanglement and quantum logic gates. He discussed the design and implementation challenges in quantum circuits and emphasized the interdisciplinary knowledge needed for quantum systems design. He highlighted the growing need for interdisciplinary knowledge in physics, mathematics, and computer science to fully understand & design effective quantum circuits.

The second invited lecture titled “Quantum Computing Basics: Exploring IBM’s Quantum Experience through Qiskit” was presented by Dr S Gayathri Devi, Associate Professor, Department of Computing - Data Science, Coimbatore Institute of Technology, Coimbatore. She provided a beginner-friendly introduction to quantum computing using IBM’s Quantum Experience and Qiskit. Through live demonstrations, she illustrated how quantum circuits were built and tested using cloud-based platforms, sparking strong interest among participants in hands-on quantum programming

The third session was delivered by Dr A Sivakami, Associate Professor, Department of Physics, Sri Eshwar College of Engineering, Coimbatore on the topic “Quantum Materials for Scalable Quantum Computing: Challenges and Future Directions”. She elaborated on the significance of advanced materials like superconductors and topological insulators for stable and scalable quantum devices. She also discussed technical barriers in materials science, such as decoherence and fabrication complexity and highlighted current research in quantum hardware development.



The fourth and final invited lecture titled “An Overview on Quantum Machine Learning” was delivered by Dr G Saravanakumar, Professor, Department of Electronics and Communication Engineering, Karpagam College of Engineering, Coimbatore. He explored the intersection of quantum computing and machine learning, presenting the potential of quantum algorithms in accelerating learning models. Key concepts included quantum data encoding, quantum kernels, and hybrid quantum-classical approaches. Real-world applications and ongoing research challenges in Quantum Machine Learning (QML) were also discussed.

The seminar concluded with a valedictory session and the distribution of certificates to all participants.

Forthcoming Activities

One Day Seminar on “**Advances in Modelling and Simulation for Material Processing**” (under the aegis of MMDB) in association with Department of Metallurgical Engineering, PSG College of Technology, Coimbatore & Centre of Excellence in Welding Engineering and Technology funded by Ministry of Heavy Industries, Government of India on 04.06.2025.

All India Seminar on “**CAD Based Design and Development of Value Added Textile and Apparel Products**” (under the aegis of TXDB) in association with Department of Textile Technology, PSG Polytechnic College, Coimbatore on 16.07.2025 & 17.07.2025.

One Day Seminar on “**Building the Future: An Introduction to Smart Manufacturing**” (under the aegis of PRDB) in association with Department of Production Engineering, PSG College of Technology, Coimbatore on 18.07.2025.

All India Seminar on “**Applications of Smart Materials in Aerospace & Defence**” (under the aegis of ASDB) in association with Department of Aeronautical Engineering, Kumaraguru College of Technology, Coimbatore on 24.07.2025 & 25.07.2025.

Technical Webinar on “**Hydrogen Fuel for Sustainable India: Challenges and Opportunities**” in association with Department of Chemical Engineering, KPR Institute of Engineering and Technology, Coimbatore on 25.07.2025.

All India Seminar on “**3D Printing in Civil Engineering: Advancements, Design and Sustainability**” (under the aegis of CVDB) in association with Department of Civil Engineering, Sri Krishna College of Engineering and Technology, Coimbatore on 28.07.2025 & 29.07.2025.

Technical Webinar on “**Impacts of Climate Change on Water Resources**” in association with Department of Civil Engineering, Hindusthan College of Engineering and Technology, Coimbatore on 31.07.2025.

Technical Lecture on “**Industrial Control Systems**” in association with Department of Electronics and Communication Engineering, PSG Polytechnic College, Coimbatore on 01.08.2025.

One Day Seminar on “**Decarbonisation Challenges and Research Opportunities in Energy-Intensive Industries**” (under the aegis of ICC) in

association with Department of Mechanical Engineering, PSG College of Technology, Coimbatore on 02.08.2025.

Technical Lecture on “**Exploring the Cutting Edge Developments in Wireless and Quantum Circuits**” in association with Department of Electronics and Communication Engineering, Karpagam Institute of Technology, Coimbatore on 06.08.2025.

One Day Seminar on “**Advanced Strategies for Optimizing UAV Networks and Operational Efficiency**” (under the aegis of ASDB) in association with Department of Aeronautical Engineering, Hindusthan College of Engineering and Technology, Coimbatore on 08.08.2025.

Technical Lecture on “**Drone Technology**” in association with Department of Aeronautical Engineering, Hindusthan Institute of Technology, Coimbatore on 08.08.2025.

All India Seminar on “**AI-Powered Innovations Shaping the Future of Healthcare**” (under the aegis of CPDB) in association with Department of ECE & Department of AIDS, Coimbatore Institute of Technology, Coimbatore on 21.08.2025 & 22.08.2025.

One Day Seminar on “**Low Carbon Building Materials for Sustainable Built Environment**” (under the aegis of ARDB) in association with Department of Civil Engineering, Sri Krishna College of Engineering and Technology, Coimbatore on 25.08.2025.

One Day Seminar on “**Data-Driven Lean: Leveraging Smart Manufacturing for Continuous Improvement**” (under the aegis of MCDB) in association with Department of Mechanical Engineering, PSG College of Technology, Coimbatore on 29.08.2025.

One Day Workshop on “**Essentials of Electric Vehicle Hardware Design**” (under the aegis of ELDB) in association with Department of Electrical and Electronics Engineering & Department of Mechanical Engineering, Sri Ramakrishna Engineering College, Coimbatore on 12.09.2025.

All India Seminar on “**A Comprehensive Insights into Vibration-Based Condition Monitoring: Theory, Techniques, Applications, and Case Studies for Mechanical Systems**” (under the aegis of MCDB) organized in association with Department of Mechanical Engineering, PSG College of Technology, Coimbatore on 19.09.2025 & 20.09.2025.



OUTSTANDING ENGINEER AWARD 2025 NOTICE

The Institution of Engineers (India)

(Established 1920, Incorporated by Royal Charter 1935)

Coimbatore Local Centre

PSG Tech Campus, Peelamedu, Coimbatore - 641 004



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Dr G Madhan Mohan FIE
Honorary Secretary

"A Century of Service to the Nation"

Ref: CLC/Outstanding Engineer/2025

Date: 01st July 2025

To
All Fellow Members
Attached to IE(I), Coimbatore Local Centre

Sir / Madam,

Sub: Engineers' Day Celebrations - Outstanding Engineer Award 2025 - reg.

The Institution of Engineers (India), Coimbatore Local Centre felicitates distinguished fellow members as "Outstanding Engineer" every year during the **Engineers' Day Celebrations** on the occasion of the birthday of **Dr M Visvesvaraya** (15th September).

In this regard, self-nominations are invited from the Fellow Members (FIE) attached to IE(I), Coimbatore Local Centre. The fellow members who are in the **enrollment as on 31.03.2025** are only eligible for Outstanding Engineer Award 2025.

Interested Fellow Members (FIE) may kindly send their detailed resume (**two hard copies**) stating their distinctions, honours, outstanding achievements, contributions to engineering fraternity, The Institution of Engineers (India) and any other relevant particulars to the undersigned **on or before 31st July 2025**.

The Outstanding Engineer Award is a one-time award hence previous awardees need not apply.

Thanking you.

Yours sincerely,

Dr G Madhan Mohan
Honorary Secretary

YOUNG ACHIEVER AWARD 2025 NOTICE



The Institution of Engineers (India)

(Established 1920, Incorporated by Royal Charter 1935)

Coimbatore Local Centre

PSG Tech Campus, Peelamedu, Coimbatore - 641 004



Dr J Krishnamoorthi FIE
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Dr G Madhan Mohan FIE
Honorary Secretary

"A Century of Service to the Nation"

Ref: CLC/Young Achiever/2025

Date: 01st July 2025

To
Members & Associate Members
Attached to IE(I), Coimbatore Local Centre

Sir / Madam,

Sub: Engineers' Day Celebrations - Young Achiever Award 2025 - reg.

The Institution of Engineers (India), Coimbatore Local Centre felicitates accomplished young members as "Young Achiever" every year during the **Engineers' Day Celebrations** on the occasion of the birthday of **Dr M Visvesvaraya** (15th September).

In this regard, applications are invited in the prescribed format from the Members (MIE) and Associate Members (AMIE) attached to IE(I), Coimbatore Local Centre. MIE's & AMIE's who are in the **enrollment as on 31.03.2025** and their **age 40 years and below (as on 31.03.2025)** are **only eligible** for Young Achiever Award 2025.

Interested MIE & AMIE members may send two hard copies of the filled-in application (enclosed herewith) to the undersigned **on or before 31st July 2025**.

The Young Achiever Award is a one-time award hence previous awardees need not apply.

Thanking you.

Yours sincerely,

Dr G Madhan Mohan
Honorary Secretary



The Institution of Engineers (India) IEI Engineering Education Excellence Award 2025 Request for Participation

The IEI Engineering Education Excellence Award has been instituted to recognize leading Engineering Educational Institutions and encourage for better and more effective engineering education across the country. The engineering education sector has witnessed significant development, setting benchmarks for others to follow. Universities and institutions have expanded their scope beyond pedagogy and now engage in R&D activities, consultancy, patents, publications, skill development programs, industry interface, and the implementation of the New Education Policy (NEP), contributing to India's global prominence. Recognizing that such institutions can lead and inspire numerous others in the country, the IEI Council has decided to establish the IEI Engineering Education Excellence Awards.

Prospective applicants are invited to submit their applications in the specified format

(visit link: <https://www.ieindia.org/webui/IEI-Activities.aspx#engineering-education-excellence-award>) for the IEI Engineering Education Excellence Award 2025. The deadline for submitting of applications for the Award 2024 is **30 October 2025**. Interested applicants are requested to submit their applications (Four hard copies & One soft copy in Pendrive/CD) to the below mentioned address.

Deputy Director (Technical)
The Institution of Engineers (India)
8 Gokhale Road, Kolkata 700 020



The Institution of Engineers (India) IEI Industry Excellence Award 2025 Request for Participation

The IEI Industry Excellence Award has been instituted to recognize industry leaders for their innovation, excellence in engineering operations and thereby, to lead their industry in competitive manner. The benchmarks created by the industries in India have included productivity, quality, safety and performance assurance thereby giving India the rightful place in the global markets. Realizing that such industries can provide the leadership to a large number of other industries in the country, it has been considered appropriate by the IEI Council to institute the IEI Industry Excellence Awards in the year 2008.

Applications in specified format (visit link: <https://www.ieindia.org/webui/IEI-Activities.aspx#industry-excellence-award>) are invited from prospective applicants for IEI Industry Excellence Award 2025. The last date of receipt of application for the Award 2025 is **30 October 2025**. Interested applicants are requested to send their applications (Two hard copies & One soft copy in Pendrive/CD) to the below mentioned address.

Deputy Director (Technical)
The Institution of Engineers (India)
8 Gokhale Road, Kolkata 700 020

Chartered Engineer Certification

The Members who have not availed the Chartered Engineer Certificate [CEng(I)], are requested to apply online:

<https://www.ieindia.org/WebUI/iei-Memb.aspx#chartered-engineering>

Know-Your-Member (KYM)

Is your mobile number & e-mail updated with us ? If not, then please forward your Know-Your-Member (KYM) form immediately.

You are requested to forward your KYM along with the self-attested copy of photo ID proof to the address given below:-

Deputy Director (Membership)
The Institution of Engineers (India)
8 Gokhale Road, Kolkata 700020
Email: datamemb@ieindia.org

The form is available on IEI Website <https://shorturl.at/8QSF> or scan the code:



Professional Engineers (PE) Certification by IEI — A Pathway towards Success

Get the **Professional Engineers Certification** by IEI to enhance your knowledge, skill and competency and also elevate your career by becoming a member of an elite group of engineers.

Who can be a Professional Engineer —

- Having Bachelor's Degree in Engineering or equivalent recognized by Statutory Authority or Government of India;
- Having experience of at least 5 years in engineering practice.

Why become a Professional Engineer (PE) —

- Improved career prospects and employability;
- Makes you suitable to attain higher levels of authority and responsibility;
- It is envisaged that in future, only a professional engineer would be empowered to prepare, sign, seal and submit engineering plans and drawings to a public authority for approval, or to seal engineering work for public and private clients;
- With growing economy and large scale expansion of infrastructure, the demand of PE certified engineers is expected to be much higher.

How to apply for Professional Engineers?

The details are available on IEI Website

<https://shorturl.at/mRIYu>

or

scan the code



For any query and assistance, please send email to: pe@ieindia.org or contact (033) 40106275

Corporate Air Ticketing for IEI Members

Corporate Members may book Corporate Air Ticket through M/s EBIX Travels Private Ltd. For details please visit

<https://www.ieindia.org/webui/IEI-AirTickets.html>

Upgradation of Membership

Members of The Institution of Engineers (India) who meet the prescribed eligibility criteria are encouraged to apply for upgradation of their membership as follows:

Associate Members (AMIE) who fulfill the required experience and qualifications may apply for upgradation to the Member (MIE) or Fellow (FIE) grade, as applicable.

Members (MIE) who satisfy the requisite professional standing and contributions are invited to apply for elevation to the prestigious grade of Fellow (FIE).

For detailed eligibility criteria and application procedures, please contact:

Deputy Director (Membership)
The Institution of Engineers (India)
8 Gokhale Road, Kolkata 700020
✉ dd.membership@ieindia.org

Discount at the Samsung e-store for IEI Corporate Members

Exclusive access to the Samsung e-store for IEI Corporate Members. This shall enable the Corporate Members to procure the Samsung Products at a discounted rate. The Samsung e-store can be accessed at www.samsung.com/in/multistore/iei using your Membership No. and email id/Mobile Number.

Empanelment as Advocate/ Attorneys & Chartered Accountant who are also Engineers

The Institution of Engineers (India) invites practicing Advocates/Attorneys and Chartered Accountants who are also Engineers to apply for empanelment to enhance their visibility in the public domain. Empanelment entails a nominal application fee of Rs. 5900/- (inclusive of GST) payable by Demand Draft/Multi-city Cheque drawn in favor of "The Institution of Engineers (India)" and payable at Kolkata.

Applicants are requested to send a hard copy of their application to the **Deputy Director (Membership)**, The Institution of Engineers (India), 8 Gokhale Road, Kolkata 700020. For further details, please visit our website at <https://www.ieindia.org/webui/iei-home.aspx>.



40th INDIAN ENGINEERING CONGRESS

Durgapur

Theme:

Innovative Engineering Solutions for Viksit Bharat @ 2047



Organized by

The Institution of Engineers (India)

Hosted by: Durgapur Local Centre

Date: December 19-21, 2025

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