

# IEI NEWS

August 2025

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A CENTURY OF SERVICE TO THE NATION

Volume 32

Number 5

## 33<sup>rd</sup> FEIAP General Assembly and 8<sup>th</sup> Distinguished Lectures Programme, Bangkok, Thailand



(L-R) Dr.Aung Kyaw Myat, President, FEIAP, Er.VB Singh, President, IEI & Dr. Tan Yean Chin, Secretary General of FEIAP

The 33<sup>rd</sup> General Assembly of the Federation of Engineering Institutions of Asia and the Pacific (FEIAP) and the 8<sup>th</sup> Distinguished Lectures Programme, held alongside the International Engineering Expo 2025, was successfully conducted at the Queen Sirikit National Convention Center (QSNCC), Bangkok, Thailand, from 23 to 25 July 2025. Organized by the Engineering

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## Detailed Report on the IEA Meetings 2025

The Institution of Engineers (India) [IEI], as a full member of the International Professional Engineers Agreement (IPEA) since 2009, represents India and is authorized to establish and maintain the India section of the International Professional Engineers (IntPE) Register. The IPEA, previously known as the Engineers Mobility Forum (EMF), is a multinational agreement among engineering organizations in member jurisdictions, providing a framework for establishing international standards of professional engineering competence. The International Engineering Alliance (IEA) is a global not-for-profit organization comprising members from 41 jurisdictions across 29 countries, governed by seven international agreements. These



SDG with Ms Cecilia Patrón Laviada, Municipal President (Mayor) of Merida and NBA, India Delegation

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## From the President's Desk.....

**Civil Engineering – Reclaiming the pride, purpose, and promise of a profession that builds nations**



Perhaps nothing tells the story of our infrastructure more vividly than a single monsoon downpour. A road that crumbles into potholes within months, a bridge making headlines for the wrong reasons, or a city paralysed by water logging despite “modern” drainage plans – these are not just failures of concrete and steel, but symptoms of a deeper challenge. As a Civil Engineer and proud alumnus of IIT Roorkee, I feel this concern personally, because our profession has always been about more than structures – it has been about trust, safety, and national progress.

From the mighty dams and iconic bridges to sprawling expressways and urban water systems, civil engineers have been the silent architects of India's growth. Yet today, many young talents are choosing coding over construction, drawn to designing apps rather than airports. This shift is not driven by salaries alone; it also reflects the changing perception of the profession and the way our education system prepares students. Too many civil engineering programmes remain anchored to outdated curricula, focusing heavily on theory with little connection to the fast-evolving demands of modern infrastructure.

While classrooms often remain locked in the past, the industry is racing ahead with Building Information Modelling (BIM), drone-based surveying, AI-enabled project monitoring, and sustainable green materials. The gap between what is taught and what is needed on the ground grows wider each year, leaving many graduates technically qualified yet practically unprepared. To reverse this trend, we must reimagine civil engineering education – bringing industry challenges into the classroom, making practical exposure and high-quality internships central to learning, and equipping students with the tools, technologies, and mindsets needed for the future.

The picture within The Institution of Engineers (India) offers hope. Out of our 2.6 lakh corporate members, more than 90,000 are Civil Engineers – making them one of the largest

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## 33<sup>rd</sup> FEIAP General Assembly and 8<sup>th</sup> Distinguished Lectures Programme, Bangkok, Thailand

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Institute of Thailand under H.M. The King's Patronage (EIT), the event was convened under the overarching theme "Engineering Excellence for Net Zero Innovation."

The Institution of Engineers (India), a Member Economy of FEIAP, was represented by Er VB Singh, President, IEI and Member of the Executive Council of FEIAP. His participation reflected IEI's continued engagement in FEIAP's initiatives and its ongoing contribution to regional discussions on engineering development and sustainability.

The proceedings began with the opening ceremony, graced by a Royal Representative of His Majesty King Rama X of Thailand, marking the inauguration of both the International Engineering Expo 2025 and the FEIAP General Assembly. The Distinguished Lectures Programme on the inaugural day featured addresses by Dr. Narin Phoawanich of the Electricity Generating Authority of Thailand (EGAT), who emphasized the pivotal role of the energy sector in advancing Net Zero innovation, and Dr. Kecha Thirakomen, Chairman and Chief of Innovation at the EEC Engineering Network, who reflected on how engineering excellence is fundamental to sustainable progress.

In the subsequent sessions, the programme included policy-oriented dialogues and technical site visits. The Distinguished Lectures brought together perspectives from academia, industry, and policymakers, highlighting innovative practices in emission reduction, financing mechanisms, and industrial decarbonization. One of the key examples presented was Thailand's "Saraburi Sandbox" project, which integrates government and private sector cooperation to test carbon reduction technologies and waste management models. Contributions from the Sustainable University Network of Thailand (SUN Thailand) showcased how academic institutions are working towards carbon-neutral campuses by 2040, aligning higher education with national sustainability goals. Industry-

focused discussions also pointed to the growing need for adoption of green supply chains, renewable technologies, and scalable Net Zero solutions across Asia-Pacific economies.



Committee meetings on Engineering Education, Environmental Sustainability, Natural Disaster Preparedness, and Emerging Technologies for Professional Development, along with the Working Group on Youth Talent Development, were also held during the Assembly. These fora provided opportunities to review ongoing activities and align FEIAP's work with the evolving priorities of the engineering profession in the region.

The programme further included professional networking activities. Delegates visited the Fire Safety Engineering Skill Development Center and the BIM Laboratory at EIT Headquarters. A technical visit to the Mass Rapid Transit Authority of Thailand's Purple Line South Section Project offered practical exposure to sustainable transport infrastructure development. The event concluded with the presentation of FEIAP Engineer of the Year Award.

The participation of IEI in this international forum reaffirmed its steady involvement in regional professional cooperation and its interest in supporting global engineering efforts aimed at building a more sustainable and technologically advanced future.

### 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](mailto:datamemb@ieindia.org)

The form is available on IEI Website <https://shorturl.at/8Q5tF> or scan the code:



## From the President's Desk.....

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and most vibrant groups in our professional family. Their active role in our division boards, conferences, and policy discussions shows that when civil engineers are valued and supported, they lead from the front. This strong community is proof that the profession is not fading, but waiting for renewed attention and reinvention.

Civil engineering is not a "backup option"; it is the backbone of nation-building. Our task now is to inspire the next generation to see it as a career

of pride, innovation, and impact. By strengthening educational foundations, modernising training, and telling our success stories with conviction, we can restore the prestige of civil engineering and ensure India's infrastructure stands on foundations as strong as the ambitions it carries.

Let us, as the engineering fraternity, lead the revival. Together, we can ensure that the builders of tomorrow inherit not just the tools of the trade, but the pride of a profession that has always been at the heart of nation-building.





## Day 1 Report – REINFORCE 2025

The Institution of Engineers (India), under the aegis of IMC-WFEO, in association with Maccaferri and supported by the World Federation of Engineering Organizations (WFEO), hosted the international conference REINFORCE 2025 on July 15-16, 2025. Conceptualized as a high-impact virtual platform, the two-day event brought together eminent academicians, researchers, and industry leaders from across the globe to deliberate on 'Resilient Engineering Innovations for a Future-Oriented, Reliable & Circular Economy Infrastructure'.

The inaugural session commenced with an inspiring audio/visual message from Mr. Mustafa B. Shehu, President of WFEO. He warmly welcomed the global engineering community on behalf of over 100 National Members under the umbrella of the Federation and commended IEI and Maccaferri for organizing a conference with such a "highly reinforced" theme. Emphasizing the importance of circular economy principles and sustainable solutions, he urged engineers to ensure that present actions do not endanger future generations. He also acknowledged the significant contributions of eminent Indian engineers to the growth and outreach of WFEO and expressed his hope that the deliberations of REINFORCE 2025 would yield impactful outcomes for wider global dissemination.

Following this, the dignitaries extended their greetings and highlighted the vision of the conference. Mr. Navinchandra B. Vasoya, Past President of IEI

and National Member of WFEO, emphasized the importance of engineering leadership in guiding sustainable development pathways. Mr. V.B. Singh, President of IEI, highlighted the institution's century-long legacy in advancing multidisciplinary engineering and reaffirmed IEI's commitment to fostering innovation and resilience. Representing Maccaferri's global perspective, Mr. Pietro Erbacci underscored the company's focus on harmonizing engineering with sustainability, while Mr. N.K. Panda, Managing Director (India & Nepal), reiterated Maccaferri's role in advancing geotechnical solutions for resilient infrastructure in the Indian subcontinent.

The technical proceedings then commenced with a welcome note by Dr. G.L. Sivakumar Babu, eminent geotechnical engineer from the Indian Institute of Science, Bangalore, who framed the context of resilience and sustainability in infrastructure development. Dr. Babu also delivered the first keynote lecture on Climate Resilient Design of Highways and Embankments using Geosynthetics, where he observed that recurring failures of embankments demand rational, climate-responsive design approaches that integrate soil variability and unsaturated soil behaviour into engineering practice. His lecture was followed by an interactive Q&A session, where participants engaged in discussions on the applicability of advanced geosynthetic solutions in the face of changing rainfall patterns.

Dr. Ashish Juneja, Professor at IIT Bombay, led the next session on Rockfall Mitigation Measures for Hilly Regions. He highlighted engineered approaches to protect vulnerable hilly terrains from rockfall hazards, stressing the need for dynamic analysis in designing protective systems. The session concluded with an engaging Q&A round, where participants sought clarity on region-specific mitigation strategies and practical design considerations.

The morning continued with a presentation by Dr. Satyajit Patel of SVNIT Surat on Sustainable Pavement Solutions: Geogrid Reinforcement and Industrial Waste Utilization for Eco-Friendly Roads. Dr. Patel explained how geogrids, geocells, and industrial by-products could enhance pavement performance while reducing costs and environmental impact. He demonstrated that such reinforcements not only extend the life of roads but also reduce reliance on natural aggregates. The presentation invited active queries from participants on material performance, design charts, and field applications, making the Q&A both practical and solution-oriented.

Before transitioning to the afternoon sessions, the organizers acknowledged the Gold Sponsors—Gujarat Maritime Board (GMB), a pioneer in coastal transformation through innovative port development, and Gujarat Metro Rail Corporation (GMRC) Limited, a joint venture advancing sustainable urban mobility with world-class metro systems. Their steadfast support was instrumental in towards the successful conduct of REINFORCE 2025.

After the sponsor acknowledgment and lunch break, the afternoon sessions resumed with Mr. Gianluca Spadaro, Regional Business Development Manager at Officine Maccaferri, who spoke on Sustainable Erosion Control Solutions with Geosynthetics. He explained that erosion control geosynthetics such as geomats play a vital role in preventing topsoil loss, enabling vegetation growth, and ensuring long-term slope stability. His talk emphasized the synergy between natural processes and engineered products, leading to thoughtful exchanges during the Q&A session on adaptability of such systems in diverse terrains.

The focus then shifted to disaster risk mitigation with Dr. Ratnakar R. Mahajan, Regional Technical Manager at Maccaferri, who presented on Advanced Solutions for Debris Flow Mitigation. He discussed how debris flow barriers,

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## Speakers



**Dr. A. Murali Krishna**  
IIT Tirupati



**Dr. K. V. Uday**  
IIT Mandi



**Dr. Amit Prashant**  
IIT Gandhinagar



**Dr. Madhavi Latha G**  
IISc Bangalore



**Dr. Ashish Juneja**  
IIT Bombay



**Mr. Pierluigi Bassetto**  
NESA



**Dr. C.N.V. Satyanarayana Reddy**  
Andhra University



**Dr. Ratnakar R. Mahajan**  
Maccaferri



**Dr. G. L. Sivakumar Babu**  
IISc Bangalore



**Mr. Rudra Budhbbhatti**  
Maccaferri India



**Mr. Gianluca Spadaro**  
Officine Maccaferri



**Dr. Satyajit Patel**  
SVNIT Surat

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combined with both conventional and innovative protective measures, could effectively intercept and redirect hazardous flows, thereby safeguarding communities and critical assets. His presentation, rich with case studies and field experiences, was followed by questions from delegates seeking to understand design criteria for different geographies and rainfall intensities.

Technology took center stage in the next session delivered by Mr. Pierluigi Bassetto, CEO of NESA, Italy, who spoke on IoT-Based Solutions for Resilient Infrastructure. Mr. Bassetto demonstrated how autonomous, self-powered IoT monitoring systems can provide predictive and confirmatory data in real time, significantly strengthening early warning systems for natural hazards. His presentation showcased practical models deployed in alpine conditions, prompting a lively Q&A session on the scalability and adaptability of these systems to Indian contexts.

The day's final presentation was delivered by Dr. Amit Prashant, Dean of R&D at IIT Gandhinagar, who spoke on High-Performance Reinforced Soil Structures for Critical Infrastructure. Dr. Prashant highlighted applications of Geosynthetic Reinforced Soil (GRS) walls in highways and high-speed rail systems, stressing that performance-based serviceability criteria and rigid fascia systems minimize post-construction deformations and ensure long-term resilience. The session concluded with a technical dialogue, in which participants examined the implications of adopting Japanese standards and performance-based frameworks in Indian conditions.

The proceedings of the first day concluded with a synthesis of discussions and acknowledgments to all partners and sponsors. Day 1 not only illuminated pathways for climate-resilient, sustainable, and technologically enabled infrastructure but also set a firm foundation for the sessions of Day 2, which promise to advance these conversations further with fresh perspectives and cutting-edge innovations.

## Day 2 Report – REINFORCE 2025

The second day of REINFORCE 2025 commenced at 10:30 AM with an engaging line-up of technical sessions focused on sustainable geotechnical and hydraulic engineering solutions. The sessions were chaired and moderated in continuity with the structure outlined in the conference information brochure. Each presentation was followed by an interactive Q&A session, allowing participants to exchange perspectives and clarify technical queries.

The first presentation of the day was delivered by Dr. Madhavi Latha G, Professor of Civil Engineering and Chair of the Centre for Sustainable Technologies at IISc, Bengaluru, on "Innovative Geosynthetic Solutions for Enhanced Soil Reinforcement." Dr. Latha's talk emphasized the role of geosynthetics in strengthening soil structures and improving sustainability in geotechnical engineering. She presented innovative reinforcement techniques for soft soil stabilization and slope improvement, demonstrating how engineered geosynthetics can transform infrastructure resilience.

The second technical session featured Dr. A. Murali Krishna, Professor of Geotechnical Engineering at IIT Tirupati, who spoke on "Studies on Geosynthetic Reinforced Shallow Foundations." Drawing from extensive research and field applications, Dr. Krishna highlighted the benefits of geosynthetic reinforcement in enhancing load-bearing capacity and controlling settlement in shallow foundations. His presentation underscored the cost-effectiveness and efficiency of reinforced foundations, particularly in seismic and challenging ground conditions.

The third session of the day was presented by Mr. Rudra Budhbhatti, Technical Head, Maccaferri India, on "Advanced Solutions for Hydraulic Applications." With over 18 years of experience in geotechnical engineering, Mr. Budhbhatti illustrated practical applications of geosynthetics in flood control, river training, rockfall protection, and slope stabilization. He showcased innovative hydraulic solutions that integrate sustainable construction practices to mitigate natural hazards and strengthen infrastructure resilience.

After the technical presentations, an interactive Q&A session was organized, during which the speakers addressed thought-provoking queries from the

participants. The lively discussion reflected the relevance of the topics presented and the keen interest of the audience in geosynthetic technologies and sustainable infrastructure development.

A short break was followed by lunch, after which the afternoon sessions resumed starting with the fourth session delivered by Dr. V. Uday, Chairperson, Centre for Climate Change and Disaster Management (C3DAR), IIT Mandi, who presented on "Nature-Based REINFORCEment: Research towards Applications." Dr. Uday emphasized the importance of eco-friendly geotechnical practices in the context of climate change. His talk covered landslide risk reduction, smart geosynthetics, and adaptive reinforcement strategies that integrate natural systems with engineering innovation. He showcased how nature-based solutions can effectively contribute to disaster risk mitigation while promoting environmental stewardship.

The final technical presentation of the day was delivered by Dr. C.N.V. Satyanarayana Reddy, Professor of Geotechnical Engineering, Andhra University, on "Reinforced Earth Retaining Walls with Industrial By-products as Fill Material." Dr. Reddy's lecture explored the innovative use of industrial by-products such as fly ash, slag, and recycled aggregates in reinforced retaining walls. He explained how these alternative materials contribute to environmental sustainability, reduce costs, and enhance the structural integrity of geotechnical constructions, thereby supporting circular economy practices in infrastructure development.

In addition to the technical deliberations, a live quiz competition was organized, which became a highly engaging and memorable highlight of the conference. Conducted in association with Maccaferri and supported by WFEO, the quiz focused on geosynthetics and sustainable infrastructure solutions. Participants actively engaged in the knowledge-sharing exercise, making the session interactive and lively. The winners of the quiz were:

1. Ms. Kiruthika P, IIT Tirupati 2. Ms. Harshaa Vardhini S., IIT Tirupati; 3. Mr. Guru Samy R., Anna University

Each of the winners was presented with Amazon Gift Vouchers worth ₹2,500, sponsored by Maccaferri. The session was met with enthusiastic participation and was appreciated as a valuable addition to the conference proceedings. The entire Technical Sessions were moderated by Mr Sumit Pathak, Deputy Manager-Technical Marketing, Maccaferri Environmental Solutions Pvt. Ltd. and Dr Rupam Saikia, Senior Engineer, Maccaferri Environmental Solutions Pvt. Ltd.

The day concluded with the Valedictory Session, graced by eminent dignitaries who reflected on the remarkable success of REINFORCE 2025. Er. Ashok Kumar Basa, Past President of The Institution of Engineers (India) and Executive Vice President of WFEO, commended the organizers for convening such a landmark event and underscored the growing relevance of sustainable engineering solutions in addressing global infrastructure challenges. He lauded the speakers and participants for their valuable contributions in advancing the discourse on geosynthetics and hydraulic applications.

Building on this, Er. Navinchandra B. Vasoya, Past President of IEI, highlighted the significance of the two-day deliberations and stressed the importance of continued collaboration between academia, industry, and professional institutions. He reaffirmed IEI's pivotal role in driving innovation and fostering global knowledge exchange aligned with sustainable development goals.

The session culminated with a formal Vote of Thanks by Maj Gen (Dr.) MJS Syali, VSM (Retd.), Secretary and Director General of IEI, who expressed deep appreciation to the speakers, sponsors, delegates, and participants for their wholehearted support.

Widely attended with close to 600 registrations and followed live on the IEI YouTube Channel, REINFORCE 2025 evoked a wide spectrum of enthusiasm and active participation from the global engineering community. The event not only fostered meaningful knowledge-sharing, innovation, and collaboration in geosynthetics and sustainable infrastructure development but also set a global benchmark for engineering excellence in building a resilient and future-ready world.



## Detailed Report on the IEA Meetings 2025

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agreements, including the Educational Accords (Washington, Sydney, and Dublin) and Competence Agreements (IPEA, APEC, IETA, and AIET), set and enforce internationally benchmarked standards for engineering education and professional competence.

The International Engineering Alliance (IEA), through the Secretariat of Engineering Agreements and Accords, organizes its annual meetings of all members countries that are signatories to agreements /accords maintained by IEA. In this year the Annual Meetings of International Engineering Alliance (IEAM 2025) were organized by Consejo de Acreditación de la Enseñanza de la Ingeniería (CACEI) in Merida, Mexico in collaboration with the International Engineering Alliance (IEA) from 8th to 13th June 2025. Maj Gen (Dr) MJS Syali, VSM (Retd), Secretary & Director General represented The Institution of Engineers (India).

### Meeting details and Workshops

The IEA Meetings commenced on 9<sup>th</sup> June 2025. The welcome session included addresses by Ms Cecilia Patrón Laviada, Municipal President (Mayor) of Merida, Ms Elizabeth Taylor, Chairperson Governing Group IEA and Dr José Humberto Loria Arcila, DG CACEI. The IEA General Assembly brought together all IEA members to discuss overarching themes. This was followed by All IEA Workshops, led by Ms Elizabeth Taylor, Chair of the IEA Governing Group and Ms Paty Mamola, Deputy Chair of the IEA Governing Group.

In the discussion 'Future of the IEA', Secretary & Director General of the Institution briefed the audience on 'Staged Evolution' option which was well received. In the afternoon, workshops continued with sessions on 'Defining Substantial Equivalence' enhancing the understanding and implementation of best practices on actualization of the Mobility Agreements. The day concluded with a workshop on 'Managing Expectations for Reviews.'



**SDG Brainstorming with Em Prof Elizabeth Taylor, Chairperson, Governing Group, IEA on 'Future of IEA'**

### Continued Discussions

Next day on 10<sup>th</sup> June 2025, meetings began with the All IEA workshops on 'Strengthening Accord and Agreement Collaboration'. This was followed by Combined Agreement Open Meeting on 'Rule changes, Review Manual & Templates' and Agreement Workshops Working Group 3 on 'Stakeholders Engagement'. Various Agreement Rules changes were proposed and put to vote. The approved changes will take effect from 01 October 2025. A new IEA website is also being developed.

The revisions were aimed at reorganizing the documents to provide greater clarity, reduce ambiguity, eliminate duplication, and make the Rules and Procedures more user-friendly. The discussions continued into the afternoon with Agreement Workshops on 'Sharing Best Practices on Actualization of the Mobility Agreements.'

### Accord Workshop Sessions and Networking Opportunities

On 11<sup>th</sup> June 2025, the Combined Open Agreement Meeting continued to finish the business. The day concluded with closed Business Meeting on IPEA.



**SDG networking with representatives from other countries**

The case of extension of Membership of Engineering New Zealand for IPEA was hotly debated over the issue of substantive equivalence and it was decided that Engineering New Zealand be accepted for a period not more than two years subject to providing, within six months, a report which satisfies other Authorised members that adequate steps are being taken to address the specific issues identified by the Review Team. Thereafter arrangement of formal dinner was done at the University of Yucatan Main Building Location.

Next day on 12<sup>th</sup> June 2025 the Accord Workshop Sessions continued with presentations on GAPC Across Accords, Accord Workshops, Combined Accord Open Meeting on Washington Accord Closed Session. From India, three representatives of National Board of Accreditation participated as signatory of the Washington Accord.

### Closed Meetings and Final Sessions

On 13<sup>th</sup> June 2025, the last day of the event was dedicated to Accord Workshop on 'Accord Mentoring' closed meetings for the Sydney Accord and Dublin Accord. The afternoon concluded with the Closing Session of the IEA General Assembly.

### Conclusion

The IEA Meetings 2025 were a significant event for the global engineering community, fostering collaboration and establishing standards for professional engineering competence. The event played a pivotal role in the advancement of engineering practices and the promoting of international mobility for engineers, while also providing an excellent platform for professional networking among representatives of member countries, as well as Accord and Agreement signatories. The participation of The Institution of Engineers (India) in the IEA Meetings 2025 underscored India's commitment to these global standards and its active engagement in the international engineering community.

## 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](http://www.samsung.com/in/multistore/iei) using your Membership No. and email id/Mobile Number.

## Advances in Innovation in Aerospace Engineering

The 37<sup>th</sup> National Convention of Aerospace Engineers was organized by **Jharkhand State Centre**, IEI under the aegis of Aerospace Engineering Division Board (ASDB), IEI in collaboration with BIT Mesra, Ranchi during 18–19 January 2025 at Ranchi. The event brought together distinguished scientists, academicians and professionals to deliberate on recent developments in aerospace engineering. A National Seminar was also organized on the theme **Advances in Innovation in Aerospace Engineering**. The two-day event featured Memorial Lecture, Keynote speeches, Invited talks, technical paper presentations, felicitation of eminent engineering personalities and presentation of IEI Young Engineers Award. The event provided an excellent opportunity for the participants to exchange knowledge, foster research collaborations and explore emerging trends in the aerospace sector.



The inaugural session was graced by Shri G A Srinivasa Murthy, Director, DRDL, Hyderabad, as the Chief Guest. In his address, he highlighted India's progress in aerospace technology and emphasized innovation for strategic applications.

The welcome address was delivered by Dr Mahesh Kumar Gupta, Chairman, Jharkhand State Centre, IEI followed by remarks from Prof Sudip Das, Registrar (Acting), BIT Mesra and Organising Secretary, NCAS. Er Harun Ansari, Honorary Secretary, Jharkhand State Centre, IEI also addressed the gathering, outlining the seminar objectives.

On the occasion, Dr G Rajasingh Thangadurai, Outstanding Scientist & Programme Director, DRDL, Ministry of Defence, Hyderabad; Dr Priyank Kumar, Associate Professor and Head, Department of Space Engineering and Rocketry, BIT Mesra, Ranchi; and Er S R Vijayamohanakumar, Former Group Director, Vikram Sarabhai Space Centre, ISRO, Thiruvananthapuram, Kerala were felicitated as Eminent Engineering Personalities for their relentless contribution in the field of Aerospace Engineering. The IEI Young Engineers Award in Aerospace Engineering Division was presented to Dr Hanumantula Jeevan Rao, Assistant Professor, Amity Institute of Aerospace Engineering, Amity University Campus, Noida, UP in recognition of his contributions in the field of Aerospace Engineering. A souvenir was released on the dais on the occasion.

The prestigious Dr Vikram Sarabhai Memorial Lecture was delivered by Dr V Ashok, Former Associate Director (R&D), Vikram Sarabhai Space Centre, ISRO, Thiruvananthapuram, Kerala, who elaborated on India's

achievements in space exploration. The Keynote Speech was presented by Shri A K Chakrabarti, Former Director, DRDL, focusing on strategic aerospace technologies and their evolving challenges.

Dr R Rajasingh Thangadurai delivered an Invited Lecture on the topic 'Innovations in the Development of BRAHMOS Cruise Missile System'. Dr Anju Damodaran, URSC delivered Invited Lecture on 'Spacecraft AIT – An Overview'. Dr R Krishnamurthy, DRDL also delivered an Invited Lecture on the occasion.

Alongside, various technical papers presented included titles such as 'Numerical Investigation of Shock Wave & Tandem Bubble Interaction'; 'Manufacturing of Blended Wing Body Models for Pressure Measurement in Low Subsonic Wind Tunnel Testing using Additive Manufacturing'; 'Onset of Buzz and Impact of Active Cowl Deflection in an Axisymmetric Supersonic Air-intake'; 'Numerical Investigation on Ducted Re-entry Vehicles'; 'Xenon Flow Controller for All Electric Propulsion System'; 'Hygroscopicity Reduction of Ammonium Nitrate Oxidizer Samples using PMMA Coating'; 'Indigenisation of Aero Engines: Focus on Quality Metrology & NDT'; 'Incorporating SCG in System Identification for Aircraft Stability & Control'; 'Effect of Curing Conditions on AN-based Composite Solid Propellants'; 'Mean Aerodynamic Flow Field of an Impinging Jet from a Convergent Nozzle with Varying Nozzle-to-plate Distance'; 'Multi-scale Modeling and Analysis of Glass Epoxy Composites'; 'CFD Studies on a Genetic Projectile as Signal and Anti-detection Devices'. For further details, please follow the link

<https://shorturl.at/pxT13>

In addition to the technical sessions, the convention featured hands-on workshops and exhibitions showcasing cutting-edge aerospace technologies and facilities available in the Department of Space Engineering & Rocketry, BIT Mesra. Demonstrations of 3D-printed aerospace components, wind tunnel experiments, and simulations of hypersonic flight conditions were conducted to provide practical insights to the participants. Industry leaders presented live demonstrations of new propulsion techniques, advanced simulation tools, and real-time data analysis methods. These exhibitions provided attendees with an opportunity to explore the latest technological advancements in aerospace engineering and interact with industry pioneers.

A Panel Discussion was organized, which stressed on research collaborations, industry partnerships and skill development to advance India's aerospace capabilities.

With a focus on fostering technological excellence, the seminar served as a platform for knowledge exchange, collaboration, and inspiration for future aerospace innovations. Discussions on next-generation propulsion systems, autonomous aircraft, and AI-integrated aviation systems paved the way for future research directions. The commitment of the organizers, speakers, and participants ensured the seminar's success, leaving a lasting impact on the aerospace engineering community.

## IEI AWARDS

The Coal India Ltd (CIL) had instituted an Award to perpetuate the memory of **Late J G Kumaramangalam**, its first Chairman to be awarded every year during the Indian Engineering Congress to author/s of the articles adjudged best on a selected topic. The topic for the year 2025 is given below.

### COAL INDIA (J G KUMARAMANGALAM MEMORIAL) AWARD

#### "Energy Efficiency"

The articles preferably restricting to 3000 words along with good quality photographs may be submitted along with a Declaration Form to [award@ieindia.org](mailto:award@ieindia.org) within **October 30, 2025**.

The template of the paper and the Declaration Form are available under the following link: <https://shorturl.at/vGxdc>

Intending contributors are requested to send the soft copy of the paper by email to [award@ieindia.org](mailto:award@ieindia.org) (with subject heading Paper for Coal Award) and submit four nos. printed copies of their articles to :

Deputy Director (Technical)

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



## Emerging Trends in Mechanical Engineering: Innovations and Challenges

**Durgapur Local Centre**, IEI, in collaboration with the Department of Mechanical Engineering, Sanaka Educational Trust's Group of Institutions (SETGOI), Durgapur, organized a One Day Seminar on the theme **Emerging Trends in Mechanical Engineering: Innovations and Challenges** on 21 May 2025 under the aegis of Mechanical Engineering Division Board [MCDB] at Durgapur. The event aimed to bridge theoretical knowledge with industrial applications, highlighting cutting-edge domains such as solar thermal systems, collaborative robotics and computational fluid dynamics. The seminar witnessed enthusiastic participation from corporate members, faculty, researchers and students of SETGOI and other institutions. Mr Pranab Kumar Ghosh, Managing Director, South Bengal State Transport Corporation graced the event as the Chief Guest and Prof (Dr) Saikat Chatterjee, Director, SETGOI and Prof (Dr) Apurba Kumar Layek, Department of Mechanical Engineering, NIT Durgapur were present as Guests of Honour. Dr Layek also delivered the Keynote address. Dr Soumen Sen, Chief Scientist, CSIR-CMERI Durgapur and Dr Jayabrata Dhar, Assistant Professor, Department of Mechanical Engineering, NIT Durgapur, were the Invited Speakers.



The programme commenced with the lighting of the ceremonial lamp by the dignitaries, symbolizing the auspicious beginning of the Seminar. Er Manas Majumder, Convener, Mechanical Engineering Division Board, Durgapur Local Centre, IEI initiated the proceedings with the introductory address. He emphasized the relevance of the seminar theme, focusing on the integration of innovation in traditional mechanical engineering practices to meet current and future industrial demands. Er Safikul Islam, Immediate Past Chairman, Durgapur Local Centre, IEI delivered the welcome address. He highlighted the objectives of the seminar, encouraged institutional and individual membership with IEI and underlined the benefits of professional development through IEI associations.

Guest of Honour, Prof (Dr) Saikat Chatterjee, in his address, spoke about the transformation of mechanical engineering into an interdisciplinary field driven by advancements in robotics, smart manufacturing and sustainable technologies. He emphasized the need for collaborative and innovative efforts to tackle new-age engineering challenges.

Chief Guest, Mr Pranab Kr Ghosh highlighted the significance of embedding innovation in the education and research domains of mechanical

engineering. He stressed on non-conventional energy sources, automation and intelligent systems as the cornerstones for future growth in the sector. He appreciated IEI and SETGOI for providing a platform for knowledge exchange and encouraged students and researchers to actively engage in such transformative discussions.

Prof (Dr) Apurba Kr Layek, delivered an informative Keynote address on the topic 'Solar Thermal Energy and its Applications', elaborating on the fundamentals of solar thermal systems, their practical applications and the future of solar energy in power generation. He also mentioned the cost effectiveness of solar installations.

Dr Soumen Sen, Chief Scientist, CSIR-CMERI, Durgapur delivered Invited Lecture on 'Compliant Actuators for Cobotic Applications'. With his extensive expertise in robotic technology and robotic applications, Dr Sen provided attendees with a foundational understanding of the design and development of collaborative robotic applications. He began his presentation by discussing the industrial revolution process throughout the years, and the development of automation and robotic applications. He discussed about the design and development of impedance actuators at CSIR-CMERI, Durgapur. He also discussed in detail about the development of under-water robots carried out at CSIR-CMERI. Dr Sen elaborated on the development of soft actuators and cobotic (collaborative robot) framework. Emphasizing the practical relevance, he highlighted the role of robotic applications in solving critical real-world problems.

Dr Jayabrata Dhar, delivered an Invited Lecture on the topic 'Computational Fluid Dynamics'. He began his presentation by explaining the fundamental understanding on the Computational Fluid Dynamics, its necessity and relevant applications. He discussed in detail about the numerical methods followed and the steps in the numerical solution. He also discussed in detail about how effectively computational fluid dynamics can be used in several application areas such as automotive, aerospace, micro-fluidics, Bio-medical engineering, Chemical Processing, Sports, Environmental issues, etc. He also discussed in detail about the different CFD packages used to solve different problems. Emphasizing the practical relevance, he highlighted the usefulness of CFD in solving critical real-world problems.

The Seminar concluded with closing remarks by Prof Subrata Kumar Majumdar, Head, Department of Mechanical Engineering, SETGOI who expressed gratitude to all dignitaries, speakers and participants for their contributions and presence. He acknowledged the collaborative spirit and intellectual depth that marked the success of the seminar. The event concluded with a commitment to promote innovation and interdisciplinary collaboration in mechanical engineering.

The seminar proved to be a valuable platform for exploring transformative ideas and fostering academic-industry dialogue. The diverse sessions, delivered by eminent speakers, provided attendees with critical insights into current trends and future directions in mechanical engineering. The event reaffirmed the commitment of Durgapur Local Centre, IEI and SETGOI to promote excellence in engineering education and practice.

### 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>

## Innovations in Science & Technology

**Gorakhpur Local Centre**, IEI, in collaboration with the Institute of Technology and Management (ITM), GIDA, Gorakhpur organised an All India Seminar on **Innovations in Science & Technology** during 24 - 25 April, 2025, under the aegis of Interdisciplinary Coordination Committee (ICC), IEI at Gorakhpur. This major academic event, brought together over 200 delegates, including experts from IITs, NITs, IIITs, research institutions, industry and academia. More than 800 students also participated, making it a vibrant platform for exchange of ideas and technological insights.

The Seminar commenced with the welcome address by Dr Narendra Kumar Singh, Chairman, Gorakhpur Local Centre, IEI and Director, ITM Gorakhpur. Dr Singh extended his heartfelt greetings to all dignitaries, resource persons and participants and emphasized the importance of integrating innovation with societal relevance and interdisciplinary collaboration.

The Chief Guest, Prof R K Khandal, Former Vice Chancellor, Dr A P J Abdul Kalam Technical University, UP and Fellow of the Royal Society of Chemistry (London), delivered a compelling address. He explored India's ancient scientific knowledge systems and stressed the moral and ethical responsibilities of innovators. Drawing references from Vedic texts, he emphasized harmonizing modern technology with spiritual wisdom and social responsibility. The Guests of Honours of the session, Er J B Rai, President, Malaviya Alumni Association, Prof Rakesh Kumar, Dean (Research), MMMUT, Gorakhpur, Prof Ruchir Gupta, Department of Computer Science and Engineering, IIT BHU, and Prof Manoj Kumar Shukla, Director, Rajkiya Engineering College, Kannauj reflected on the urgent need for aligning innovation with sustainability, education and real-world applications.

Keynote speaker, Dr Pawan Kumar Mishra, Senior Director, Construction Industry Development Council (CIDC), emphasized that innovation is essential to national growth and called for reforms in engineering education to improve employability and foster entrepreneurship. A book titled 'Beyond Bricks and Mortar: Well-being for Women in Construction' edited by Dr Mishra and co-edited by Prof Manju Mishra, Principal, Babu Postgraduate College, Pipliganj, Gorakhpur was released, focusing on gender-sensitive practices in construction. The inaugural session concluded with vote of thanks delivered by Er Pavnesh Kumar, Honorary Secretary, Gorakhpur Local Centre.

The Seminar featured technical sessions under four major tracks such as Computer Science, Civil and Mechanical Engineering, Electronics and Communication and Management. Out of 350 submitted papers, 103

were peer-reviewed and accepted for publication. Additionally, 76 student posters were also exhibited. Prof Ruchir Gupta, Department of Computer Science & Engineering, IIT BHU, Varanasi deliberated on Deep Learning. Prof Dharmender Singh Kushwaha, Department of Computer Science & Engineering, MNNIT, Allahabad, Prayagraj delved into the architecture of Scalable Systems capable of handling increasing workload without compromising performance. Prof Ashutosh K Singh, Associate Dean (S&M), Department of Electronics Engineering, IIIT Allahabad explained Fuzzy Logic and its applications in developing intelligent systems. Prof V K Dwivedi, Dean, International Affairs and Professor & Chairman, Training and Placement, MMMUT, Gorakhpur on 'Enhancing Employability for Future Professionals'. Dr Murad Ali, Professor & Head, Department of Business Management, VBS Purvanchal University, Jaunpur spoke on 'India on the Path of Vishwaguru: Role of Intellectual Leadership in Higher Education'. Dr Manoj Singh, Professor, Department of Computer Science & Engineering, BHU, Varanasi on

'Underwater Communications: Challenges and Innovations'. For further details, please follow the link

<https://shorturl.at/EQmZd>

During the valedictory function, Er R P Tiwari, former Engineer-in-Chief, Department of Irrigation, Government of UP graced the occasion as the Chief Guest and delivered an inspiring lecture linking ancient Indian technologies with modern-day scientific innovations and emphasized the need for culturally rooted innovation. The Guests of Honour during the session were Prof B P Singh, Netaji Subhash University of Technology, New Delhi; Prof Brijendra Singh, Department of Information Technology, IIIT Allahabad; Prof R P Shukla, Professor and Former Dean, Department of Civil Engineering, MMMUT, Gorakhpur and Prof Ashutosh Kumar, Professor, Department of Computer Science & Engineering, BHU, Varanasi. All appreciated the interdisciplinary structure and emphasized the need for more such forward-looking technical forums. Er Pavnesh Kumar, Honorary Secretary, Gorakhpur Local Centre, IEI presented the seminar report, summarizing the diverse range of presentations and highlighting the contribution of each technical session and delivered the vote of thanks.

The seminar concluded on a high note, reaffirming IEI's commitment to fostering innovation, interdisciplinary dialogue and academic excellence. It set a benchmark for future national-level seminars and emphasized the importance of harmonizing science with societal impact.



### 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>.



## AI and Emerging Technologies for Enhancing Occupational Safety in Industries

**Palghat Local Centre**, IEI, in association with the Department of Factories and Boilers, Government of Kerala; the National Safety Council, Kerala and the Department of Mechanical Engineering, NSS College of Engineering, Palakkad organised an All India Seminar on the theme **AI and Emerging Technologies for Enhancing Occupational Safety in Industries** during 28-29 March, 2025, under the aegis of Mechanical Engineering Division Board [MCDB] IEI at IIT Palakkad. The Seminar brought together a number of delegates, which include industry experts, academic leaders, safety professionals and students. The event served as a dynamic platform for

emphasized the importance of AI-driven systems in hazard prevention and strategic safety planning. The souvenir of the seminar was released by Er K K Gopalakrishnan Nair, Vice President, IEI. Prof C Somasekharan, Former Principal, NSS College of Engineering, Palakkad, Er Venugopalan P, Secretary, Safety Council of Kerala and representatives from Cochin Shipyard, Saint-Gobain and BPCL Kochi Refinery were present on the occasion. The session concluded with a vote of thanks by Dr Rajesh Menon B, Honorary Secretary, Palghat Local Centre, IEI.

There were 13 technical sessions organised during two days, on relevant topics, namely AI and Emerging Trends in Safety; Human Factors in Accident Causation – Significance of Risk Mitigation in Construction Industry; Statistical Tools in Safety Analysis; Emerging Technologies in Fire Protection; Integrating Fire Safety in Design Stage; Safety Legislations; Hospital Safety; Engineering Controls for Improving Indoor Air Quality and Infection Control; Electrical Safety in the Digital Age etc. For further details, please follow the link

<https://shorturl.at/hjf5X>

The Valedictory Session began with the welcome address delivered by Er K Madhana Mohan, Immediate Past Chairman of the host centre. Er A V Rajappan, Chairman, Palghat Local Centre, IEI delivered the presidential address. Chief Guest during the session, Er P K Vasisht, CMD, Instrumentation Limited, Kanjikode, Palakkad delivered the valedictory address emphasizing the future of workplace safety driven by innovation and inter-institutional collaboration. A session overview was presented by Er Nithish Devaraj, Joint Director, Factories and Boilers, Govt of Kerala, summarizing the key insights and takeaways from the seminar. Dr Rajesh Menon B, Honorary Secretary, Palghat Local Centre, IEI delivered the vote of thanks, expressing gratitude to all dignitaries, speakers, sponsors and participants.

The All India Seminar was a resounding success, uniting academia, industry and regulatory bodies to discuss and deliberate upon AI-powered safety solutions and modern risk mitigation strategies. It showcased the pivotal role of engineers and emerging technologies in shaping a safer industrial future. The event reinforced the centre's commitment to promoting occupational safety and technological innovation for sustainable industrial growth.



discussing emerging trends, challenges and solutions in the domain of occupational safety, especially through the integration of artificial intelligence and modern technologies.

The inaugural session started with the welcome address delivered by Er A V Rajappan, Chairman, Palghat Local Centre, IEI. Er P Balakrishnan Nair, Chairman, Kerala State Centre, IEI gave a preview of the seminar. Prof (Dr) A Seshadri Sekhar, Director, IIT Palakkad graced the function as the Chief Guest and delivered an insightful inaugural address highlighting the role of innovation in enhancing workplace safety. The Keynote address was delivered by Shri Pramod P, Director, Factories and Boilers, Government of Kerala and Chairman, National Safety Council – Kerala Chapter. He

### 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](mailto:dd.membership@ieindia.org)

## Recent Advances in Functional Nanomaterials

**Tiruchirappalli Local Centre**, IEI, in association with K. Ramakrishnan College of Engineering (Autonomous), Trichy organized a One Day Workshop on **Recent Advances in Functional Nanomaterials** on 30 April 2025 under the aegis of Mechanical Engineering Division Board [MCDB] at Tiruchirappalli.

The workshop aimed to provide a comprehensive platform for academia and industry professionals to discuss the latest developments and challenges in the field of nanomaterials. The programme commenced with a welcome address by Dr S Titus, Joint Honorary Secretary of the host Centre. He highlighted the significance of functional nanomaterials in emerging technologies and emphasized the role of IEI in fostering engineering research and professional development.

The Workshop was inaugurated by the Chief Guest of the session, Dr V Anandakrishnan, Professor, Department of Production Engineering, National Institute of Technology, Tiruchirappalli. In his inaugural address, Dr Anandakrishnan emphasized the transformative potential of nanotechnology in engineering design and applications. Following the inauguration, Dr D Srinivasan, Principal, K Ramakrishnan College of Engineering shared his insights and encouraged young researchers to explore interdisciplinary approaches in nanotechnology and appreciated IEI for bringing together experts and students under one academic umbrella.

Several Keynote addresses took place during the technical sessions. Dr V

Anandakrishnan delivered a presentation on 'Challenges in Fabrication of Nano-composite Materials'. Dr S Sathish, Assistant Professor, Department of Production Technology, Madras Institute of Technology Campus, Anna University Chennai spoke on 'Synthesis and Characterization of Functional Materials'. Dr B Subramanian, Principal Scientist, Electrochemical Materials Science Division, CSIR - Central Electrochemical Research Institute, Karaikudi delivered lecture on 'Synthesis of Nanomaterials'. Dr M Ravichandran, Professor, Department of Mechanical Engineering, K Ramakrishnan College of Engineering, Tiruchirappalli on 'Applications of Functional Nanomaterials'.

The valedictory address was delivered by Dr S Ravimaran, Chairman, Tiruchirappalli Local Centre, IEI and Head, Department of Artificial Intelligence and Data Science, Saranathan College of Engineering, Trichy who appreciated the organizers, speakers and participants for their active engagement. He reiterated the need for continued research and academic collaboration in the area of nanotechnology and functional materials.

The workshop was a grand success, providing a rich platform for knowledge exchange between experts and budding researchers. The insightful lectures, interactive discussions and academic networking strengthened the understanding of recent developments and challenges in nanomaterials research. The event also emphasized the growing relevance of functional nanomaterials in the future of engineering innovation.



## Past Present & Future of Power Generation

**Uttar Pradesh State Centre**, IEI, organized a One Day Seminar on **Past Present & Future of Power Generation** on 29 March 2025 under the aegis of Electrical Engineering Division Board [ELDB] at Lucknow. The event aimed to provide a comprehensive view of the evolution, current status and future projections of India's power generation sector, including the growing contribution of renewable energy.

Er Masrat Noor Khan, Immediate Past Chairman of the Centre, welcomed the dignitaries and participants and stressed the importance of learning from the history of power generation, addressing present-day challenges and embracing future technologies for sustainable energy development.

The Chief Guest, Er Girish, Former Director (Technical), Uttar Pradesh Rajya Vidyut Utpadan Nigam [UPRVUNL], highlighted the historical journey of India's power sector starting from a modest 1,362 MW in 1947 to an impressive 446,190 MW by June 2024. He provided detailed insights into the current energy mix, noting that renewables contributed 71% of the 26 GW added in FY 2023-24, with solar energy leading the way. He also outlined the government's future vision of achieving 2,100 GW capacity by 2047 to meet a projected demand of 708 GW and emphasized the need to improve per capita power consumption to match global standards.

Er Harish Chandra Verma, Former General Manager, NTPC, delivered the Keynote address, discussing innovations in thermal power technologies, policy shifts favoring renewables and the integration of smart grid systems to modernize the power infrastructure.

Er Rakesh Chandra Srivastava, Ex CGM, UPRVUNL and other distinguished engineers shared their technical expertise and perspectives on the challenges and opportunities in energy generation. The session was ably convened and conducted by Er S K Verma, SCC Member.

The Seminar concluded with a vote of thanks by Er Vijaya Pratap Singh, Honorary Secretary, Uttar Pradesh State Centre, IEI who expressed his gratitude to all speakers, delegates and organizing members for their contribution to the seminar's success.





## GIS (Geo Informatics System) & its Applications

**Uttarakhand State Centre**, IEI, in association with Indian Institute of Technology Roorkee (Uttarakhand) and National Institute of Electronics & Information Technology Haridwar organized a One Day Workshop on **Geo Informatics System & its Applications** on 25 January 2025 under the aegis of Civil Engineering Division Board [CVDB] at Dehradun. The workshop focused on recent trends in geospatial engineering and aimed at providing insights into the wide-ranging applications of GIS in modern engineering and technology.

Er Narendra Kumar Yadav, Chairman, Uttarakhand State Centre, IEI warmly welcomed the guests, delegates and participants. He explained the advancement in geospatial engineering and the transformative potential of GIS in multiple sectors.

Dr Rahul Dev Garg, Professor, Civil Engineering Department, IIT Roorkee and former ISRO scientist, delivered the Keynote address. With nearly 29 years of experience in geomatics, Dr Garg emphasized how GIS is revolutionizing decision-making across domains

such as construction, infrastructure, agriculture, navigation, public health and defence. He explained that GIS is a powerful computer system that captures, stores, manages and visualizes spatial data, enabling better analysis and planning.

Er Narendra Kumar Yadav elaborated on the specific role of GIS in hydropower projects, including its use in site selection, environmental impact assessments, hydrological modeling, disaster management and resource monitoring.

The workshop concluded with a vote of thanks delivered by Er Satish Kumar Chauhan, Honorary Secretary, Uttarakhand State Centre, IEI acknowledging the contributions of all dignitaries, speakers, participants and support staff.

The workshop proved to be a valuable learning platform for professionals, underlining GIS's

transformative impact on various sectors and its increasing relevance in engineering practices.



## Seismic Safety Assessment of Dams

**Pune Local Centre**, IEI, in collaboration with the Indian Society of Earthquake Technology, Pune Chapter successfully organized a One Day Workshop on **Seismic Safety Assessment of Dams** on 10 January 2025 under the aegis of Civil Engineering Division Board [CVDB], IEI at Pune. The workshop aimed to bring awareness and technical insights into the safety evaluation of dams under seismic conditions.

The inaugural session commenced with a welcome address by Dr S N Madhekar, Convener, who introduced the theme of the workshop. Dr Ishwar Gupta, Former Director, Central Water and Power Research Station, Pune, graced the event as the Chief Guest and was felicitated by Er Vasant Dattatraya Pandarkar, Chairman, Pune Local Centre, IEI. Dr Gupta, in his address, emphasized the critical need for seismic safety assessments of dams, covering hazard analysis, dynamic response evaluations and continuous monitoring.

Dr S N Madhekar formally welcomed all dignitaries, guests and participants, highlighting the significance of seismic risk management in dam engineering.

Various lectures and technical presentations took place during the day.

Dr Ishwer Gupta delivered a lecture on 'A Brief Review on the National Committee for Seismic Design Parameters Guidelines [NCSDP]'. Dr R K Suryawanshi, Former Chief Engineer (CWC), Emeritus Professor (CoEP) and Chairman, (Dam Safety Panel, GoG) spoke on the topic 'Comprehensive Dam Safety Evaluation (CDSE)-Need of the Hour'. Mr Deepak Modak, Chairman, Dam Safety Review Panel, WB, Pune Region, Member, Dam Safety Committee, Goa State, Former Chief Engineer, Hydro Electric Projects, Maharashtra spoke on 'Seismic history of Western Ghat with reference to Koyna

Dam'. Dr Sharad Joshi, Prof and Ex-Principal, KLE Institute of Technology, Hubli, Vice Chairman, DSRP (Dam Safety Review Panel), Government of Karnataka & Member, DSRP, Government of Maharashtra, Gujarat and Bihar spoke on 'Seismic Evaluation and Retrofitting of Gravity Dams with a Case Study of Koyna Dam'.

The programme concluded with a vote of thanks delivered by Er Uttam Ramchandra Awari, Honorary Secretary, Pune Local Centre, IEI expressing gratitude to all speakers, delegates and organizing members for their active participation and support in making the workshop a success.



## Skilling on Emerging Technology – Essence of Achieving Manufacturing Excellence

The Institution of Engineers (India), **Qatar Overseas Chapter (IEI QC)**, a leading professional body committed to advancing engineering practices in Qatar, organised a thought-provoking Webinar on 31 July 2025 on the theme **Skilling on Emerging Technology – Essence of Achieving Manufacturing Excellence**. The event aimed to promote knowledge sharing, enhance awareness of emerging technologies and encourage skill development to meet the demands of Industry 4.0. The session brought together experts, professionals and academics to explore the intersection of technology, skills and innovation.

Maj Gen (Dr) MJS Syali, VSM (Retd), Secretary and Director General, The Institution of Engineers (India), Kolkata graced the virtual event as the Chief Guest and inaugurated the event. He highlighted the IEI's significant contributions to the engineering community in Qatar and reflected on the 51 years of bilateral relations between India and Qatar. He stressed that India is actively skilling its workforce in emerging technologies to utilise its demographic advantage and remain competitive globally.

Er Abdul Sathar, Honorary Chairman, Qatar Chapter, IEI delivered the presidential address. He mentioned that the programme reflects IEI's commitment to the AI journey, which has become a key bridge between cutting-edge technology and human ingenuity. He reaffirmed IEI QC's dedication to empowering engineers and preparing them for future technological challenges.

The Guest of Honour, Mr Ahmed Jassim Al Jolo, President, Federation of Global Engineers (FGE), addressed the gathering and emphasized the transformative impact of AI, which is revolutionising industries and elevating human potential to unprecedented levels.

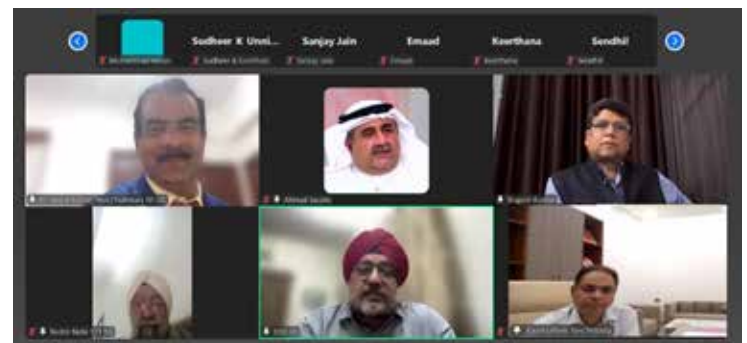
Mr. Brajesh Kumar, Chief Executive Officer, IASC Sector Skill Council, an autonomous body under the Ministry of Skill Development &

Entrepreneurship delivered the Keynote address on 'Impact of Industry 4.0 on Skill Development in Electronics Engineering'. He elaborated on advanced training facilities at the Centre of Excellence, covering laboratories, simulation environments and modern classrooms for hands-on learning.

The webinar featured contributions from several domain experts, offering insights into AI-driven manufacturing excellence, sustainable innovation and the integration of smart technologies into traditional industries.

The technical discussions explored during the webinar include the ethical implications of AI on employment and role of AI in healthcare and education. The contributors, who are the leading experts in the field, offer practical recommendations and innovative solutions to address the challenges identified.

In the closing remarks, Er Abdul Sathar thanked all dignitaries, speakers and participants for their active involvement. He reiterated IEI QC's commitment to conducting regular technical seminars and workshops for Qatar's engineering community, fostering continuous professional development and promoting innovation in line with global advancements.



## Be Proud to be a Certified International Professional Engineers (IntPE) by IEI

### Who can apply for International Professional Engineers?

Basic Requirements for certification as International Professional Engineer

- ◎ Bachelor's Degree in Engineering or equivalent recognised by Statutory Authority or Government of India;
- ◎ Experience of 7 years in engineering practice. Out of 7 years of experience 2 years in a responsible position of significant engineering activity.

### How to apply for International Professional Engineers?

For details  
please visit the link:  
<https://shorturl.at/j36fo>  
or  
scan the code →



### Why become an International Professional Engineer??

International Professional Engineer (Int.PE) Certification enables engineering professionals to advance their career aspiration in wide ranging ways.

- ◎ The International Professional Engineers, registered with IEI, may receive credit when seeking registration or licensure in the jurisdiction of another member i.e this will facilitate an engineer in mobility across member jurisdictions;
- ◎ Empowered by International Professional Engineers Agreement (IPEA), IEI maintains the register of the International Professional Engineers (IntPE) in India;
- ◎ Enhances an engineering professional's stature and gives confidence to employer/ prospective employer about competency of Certified Engineer;
- ◎ IntPE Certificate facilitates an engineer in Professional Mobility.

For any query and assistance, please send email to: [pe@ieindia.org](mailto:pe@ieindia.org) or contact (033) 40106220



# The Institution of Engineers (India)

8 Gokhale Road, Kolkata-700020

## Proceedings of the Special General Meeting of Corporate Members of The Institution of Engineers (India)

held on 01 June 2025 at Bhopal

A Special General Meeting of the Corporate Members of The Institution of Engineers (India) under Bye-Law 32(b)(i) was held on **01 June 2025 at The Institution of Engineers (India) Madhya Pradesh State Centre located at Dr M Visvesvaraya Marg , PO: Habibganj, Bhopal 462024 (M.P.) at 1100 hrs.**

Mr V B Singh, President IEI, was in the Chair.

Although the meeting was scheduled to be held at 1100 hrs, the Chairman, with the consent of the members waited for half an hour to meet the quorum. After the quorum was present, the Chairman called the meeting to order and started the proceedings.

On being asked by the President, Maj Gen (Dr) M J S Syali, VSM (Retd), Secretary and Director General, read out the Notice dated 15 May 2025 sent to all Corporate Members of The Institution of Engineers (India) through IEI News and displayed at the IEI Website ([www.ieindia.org](http://www.ieindia.org)).

The Secretary and Director General then informed that he had received a total of 86 number of proxies as per provision under Bye-Law 42.

The Corporate Members present then unanimously approved the proposed amendments of Regulations as mentioned in the said notification and **RESOLVED** that –

**The proposed amendments of Regulations 3(c)(ii), 4(c), 4(f), 7(b)(i), 7(b)(ii), 7(c)(i), 7(c)(ii), 8(a)(i), 8(a)(ii), 8(b)(i), 8(b)(ii), 14, 23(j), 23(k), 23(h), 24(e), 25(a), 25(e), 26(a), 26(e), 27(f) and 49 as recommended by the Council at its 729th meeting held on 22-23 Mar 2025 at Gandhinagar be approved and adopted to come into force with effect from 01 June 2025.**

The President then declared the Special General Meeting (SGM) of the Corporate Members of IEI as closed at 1150 hrs.

# The Institution of Engineers (India)

8 Gokhale Road, Kolkata-700020

## Proceedings of the Extraordinary General Meeting of Corporate Members of The Institution of Engineers (India)

held on 01 June 2025 at Bhopal

An Extraordinary General Meeting of the Corporate Members of The Institution of Engineers (India) under Bye-Law 32(c)(i) was held on **01 June 2025 at The Institution of Engineers (India) Madhya Pradesh State Centre located at Dr M Visvesvaraya Marg , PO: Habibganj, Bhopal 462024 (M.P.)**

Mr V B Singh, President IEI, was in the Chair.

Although the meeting was scheduled to be held immediately after the Special General Meeting, the Chairman, with the consent of the members waited for half an hour to meet the quorum. As the quorum was not present even at the end of this waiting period, the meeting was adjourned for two hours. After two hours, the meeting resumed and the Chairman started the proceedings.

On being asked by the President, Maj Gen (Dr) M J S Syali, VSM (Retd), Secretary and Director General, read out the Notice dated 15 May 2025 sent to all Corporate Members of The Institution of Engineers (India) through IEI News and displayed at the IEI Website ([www.ieindia.org](http://www.ieindia.org)).

The Secretary and Director General then informed that he had received a total of 86 number of proxies as per provision under Bye-Law 42.

The Corporate Members present then unanimously approved the proposed amendments of Bye-Laws and **RESOLVED** that –

**The proposed amendments in the Bye-Laws 1(g), 4(d), 6(b), 12(a), 17, 47(ii), 47(iii), 48(v), 52(ii), 53(ii), 61(a), 76, 91(a), 91(b), 96(a), 96(b) and 97(a) as recommended by the Council at its 729th meeting held on 22-23 Mar 2025 at Gandhinagar be approved and adopted to come into force with effect from 01 June 2025.**

The President then declared the Extraordinary General Meeting (EGM) of the Corporate Members of IEI as closed at 1430 hrs.

## 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>

# The Institution of Engineers (India)

8 Gokhale Road, Kolkata 700 020

## NOTICE

07 Sep 2025

### TO ALL CORPORATE MEMBERS OF THE INSTITUTION OF ENGINEERS (INDIA)

The members of the Council elected from the Divisions shall retire at the 106th Annual General Meeting of The Institution scheduled to be held in Dec 2025. It is, therefore, necessary to hold election to fill up the vacancies caused thereby for the sessions 2025-2026, 2026-2027, 2027-2028 and 2028-2029 from the Divisions as provided in Bye Law 4(a)(iv).

On the basis of the strength of Corporate Members attached to the Divisions, the allocation of seats is as follows:

#### One seat each from:

Aerospace Engineering Division  
Architectural Engineering Division  
Agricultural Engineering Division  
Environmental Engineering Division  
Marine Engineering Division  
Metallurgical & Materials Engineering Division  
Mining Engineering Division  
Production Engineering Division  
Textile Engineering Division

#### Two seats each from:

Chemical Engineering Division  
Computer Engineering Division

#### Four seats each from:

Electrical Engineering Division  
Electronics & Telecommunication Engineering Division

#### Five seats each from:

Civil Engineering Division  
Mechanical Engineering Division

Members laying down from the Council after completion of twelve sessions at a stretch in any capacity, or having been elected for consecutive three tenures but not completing full twelve sessions due to any reason, shall not be eligible for contesting election without giving a break of minimum four sessions.

A member attached to a Division shall be eligible to submit nomination for election only in that Division. Corporate Members who have changed their Division within last two years shall not be eligible to contest this election.

Interested Corporate Members are hereby called upon to visit **www.ieelections.in** and submit their self-nominations online. They may also access the site by clicking 'IEI Election' at the Home Page of **www.ieindia.org**. While filling the online proforma, they would also be required to submit updated biodata (2000 characters) and non-refundable earnest money of ₹ **20,000/- (Rupees Twenty Thousand)** online. The last date for online submission of the self-nomination would be 23 Sep 2025. The non-refundable earnest money is payable online only.

**N.B. The nomination submission procedure (including the remittance) is completely online and the candidates are not supposed to send by email or dispatch hardcopy for this purpose.**

Sd/-  
Convener  
Board of Scrutineers

#### TIME TABLE FOR ELECTION FROM DIVISIONS TO COUNCIL – 2025

(a)	Notification inviting self-nominations along with biodata and non-refundable earnest money of the requisite amount from eligible Corporate Members	08.09.2025
(b)	Last date of receipt of nominations along with enclosures	23.09.2025
(c)	Last date of Scrutiny of nominations and sending Intimation to nominees for withdrawal	25.09.2025
(d)	Last date of withdrawal by nominees	02.10.2025
(e)	Commencement of e-voting	04.10.2025
(f)	Closing of the e-voting	18.10.2025
(g)	Counting and publishing of result	19.10.2025

**N.B. The dates mentioned above may vary due to unavoidable circumstances and as decided by the Board of Scrutineers from time to time.**

# The Institution of Engineers (India)

## PROCEDURE FOR CONDUCT OF ELECTIONS

(As approved by the Council at its 726<sup>th</sup> meeting held on 15 June 2024 at Kathmandu)

1. Unless specified otherwise, following clauses in the 'Procedure for Conduct of Elections' will be applicable for all elections under provision of Regulations 24, 25 and 26.

2. The Corporate members on the roll of the Institution as on 31 Mar of the year in which elections are due shall form the electorate college for the elections which will be prepared and supplied by the IEI HQs. In order to cast vote and/or contest election, candidate must be on the roll and reachable electronically. Electronic identity of every member shall be determined by mobile number and/or email-id registered as on 31 Mar of the year in which elections are due. In case of any duplicate mobile or email-id found then such duplicate mobile number or email-id should be removed from the all such effected members during the finalization of the electoral roll.

3. Any change in mobile or email after 31 Mar shall have no effect in the electoral roll prepared based on members database as on 31 Mar of that year.

4. The window for e-voting activities shall open and close at midnight on the date specified for the purpose.

#### A. Scheduling an Election

i. **Notification and Invitation of Nominations** : The notification must include the following:

- Election Schedule
- Details of the non-refundable earnest money



- c. The notification shall also direct that a member attached to a Division shall be eligible to submit nomination for election (under Regulation 24 and 25) only in that Division.
- d. In case multiple elections under Regulations 24, 25 and 26 are required to be conducted by a BOS in a given year, the BOS must conduct all such elections simultaneously with same election schedule.

However, in case any of such election(s) is/are withheld due to unavoidable circumstances e.g. litigation/ Court order etc., the other election(s) would continue uninterrupted.

- ii. **Last date of Receipt of Nomination** : Minimum 15 days from date of invitation of nomination.
- iii. **Last Date for Scrutiny of Nomination**: 2 days from A(ii).
- iv. **Last Date for Withdrawal of Nomination**: 7 days from A(iii).
- v. **Start of Election**: At least 2 days after A(iv).
- vi. **End of Election**: On 14th day (2400 hrs) from A(v) so that duration of e- voting is 14 days.
- vii. **Declaration of Result**: On the day next to the end of e-voting.

#### B. Invitation of Nomination for contesting in election

- i. The Board of Scrutineers shall invite self-nominations along with bio-data and non-refundable earnest money of the requisite amount from the eligible Corporate Members in the following ways:
  - a. Through notification in the publication (if any) circulated to all the Corporate Members eligible to contest in the election.
  - b. By sending email to the Corporate Members eligible to contest in the election and having valid email ids as registered with IEI as on 31 Mar of the year.
  - c. By displaying in the notice board and website of the IEI for election under Regulation 24.
  - d. By displaying in the notice board and website (if any) of the respective Centre for election under Regulation 25 and 26.
- ii. Such bio-data shall be uploaded as received from the concerned nominated members and the Board of Scrutineers shall not be responsible for correctness or otherwise of such information. The invitation for nomination should also include the election time table mentioning important dates in the election process as fixed by the BOS in consultation with the IEI HQs.
- iii. A period of minimum 15 days from the last date of sending emails inviting nominations shall be allowed for submitting the nominations along with other requisites for elections under Regulations 24, 25 and 26. The earnest money paid during submission of nomination shall not be refunded under any circumstances.
- iv. The notification shall direct that a member attached to a Division shall be eligible to submit nomination for election (under Regulation 24 and 25) only in that Division.
- v. BOS shall forward the notice to be circulated to the Administrator (as defined in page 6) for circulating the same to the eligible corporate members through centralized gateway of email service provider.

#### C. Submitting self-nominations along with other requisites

- i. A Corporate Member willing to contest in the election shall nominate himself and submit the nomination alongwith biodata and the earnest money deposit through the online portal, dedicated for IEI elections. The link of the portal shall be available in IEI website.

- ii. For submitting self-nomination, candidate must be on the roll and reachable electronically as on 31 Mar of the year and must also be attached to the same Division of Engineering in the previous two consecutive electoral rolls.
- iii. The credentials for login are to be generated by a member himself through the '**Get Password**' option in the election portal by using his membership no. (e.g. AM1498757, F-1258972, M-0025688 etc.).
- iv. While submitting nomination, the number of seats for a given election shall be shown by the System automatically and the member has to provide his membership no. and opt for the election he is willing to contest.
- v. Upon successful entry of the details as stated above, the contestant has to make a payment as non-refundable earnest deposit as per following:
  - a. For election to the Council seat — Rs.20,000
  - b. For election to the State Centre Committee — Rs.5,000
  - c. For election to the Local Centre Committee — Rs.3,000

The applicable amount to be paid for an election shall be displayed in the system.

- vi. After successful payment, candidate has to submit his bio-data (maximum 2000 character including spaces). Any extra character provided shall be automatically truncated by the system. The Candidate shall be able to update his biodata till the last date of submission nomination. No further editing of biodata by the candidate is permissible after this last date.
- vii. In case any member willing to contest for more than one election he has to submit separate nomination for every type of election along with requisite earnest money.
- viii. For any payment related issue, the user may send email to [caffairs@ieindia.org](mailto:caffairs@ieindia.org) or [ad\\_ca@ieindia.org](mailto:ad_ca@ieindia.org).

#### D. Scrutiny of Nominations

- i. After the last date of the receipt of Nomination, BOS members shall meet and scrutinize the nominations, rejecting the nominations which may be found to be invalid on account of their not being in conformity with the above requirements or Regulation 23(c). Reason of rejection, if any shall have to be recorded by BOS.
- ii. All nominations which have not been duly rejected by the BOS within the stipulated timeline shall be deemed as valid nominations and shall automatically appear for online voting in the election site.

#### E. Withdrawal of nominations

- i. Once submitted, a candidate can withdraw his / her nomination by logging in to the election portal during the period provided for the purpose. However, the earnest money paid during submission of nomination shall not be refundable under any circumstances.
- ii. In case the number of nomination(s) received is/are less than or equal to the number of seat(s) in an election, the said election shall not proceed to the next stage i.e. e-voting and BOS can take the printout of such candidates who stand elected uncontested and such information shall be made available in election site as well.

#### F. Electronic Voting:

- i. Intimation for start of voting shall be given to the electorate after the date specified for the withdrawal of nomination. Such information shall be sent to the both registered Mobile number / e-mail id as applicable to the electronically reachable members as on 31 Mar of the year. No

update of mobile or email in the electoral roll is permissible under any circumstances whatsoever.

- ii. An eligible voter visiting the Institution website [www.ieindia.org](http://www.ieindia.org) will be guided to the election portal. Members are required to visit the election portal in order to get the login credentials. The credentials for login is to be generated by the members themselves through the **"Get Password"** option using his membership no. (e.g. AM1498757, F-1258972, M-0025688 etc.).

The voter can access the voting page of the relevant election by using log-in ID and password for voting online.

- iii. A system generated One Time Password shall be sent to the both registered Mobile / e-mail as recorded in the electoral roll for casting of vote electronically. The One time Password shall have a validity of five minutes. Separate One time Password shall be issued for all elections. The vote cast by a voter shall be encrypted and not available to anyone. The details of the voter by his membership number shall be available in the system. The bio data of the contestants will be available for voters reference in the election portal.
- iv. In case a voter misplaces his password, he can request for computer auto-generated log-in ID and password through **'Get Password'** option from the HOME page of the IEI election web site. The login ID and password shall be sent to the voter's mobile and/or e-mail as registered in the electoral roll.
- v. In case of members residing abroad who have registered their e-mail id, they will be provided the log-in credentials through their e-mail only.

#### **G. Final Counting:**

- i. BOS shall invite well in advance all the contestants to be present on the scheduled date and time for counting of votes. The contestants may be present in person or through authorized representative to witness the entire process of counting.
- ii. On the date of counting and declaration of the result, the BOS members as per the required quorum have to login to the election site. On clicking the "View Result" button against each election, the system shall count the online votes and final result shall appear on the BOS screen instantly.
- iii. In the event of a tie, the BOS shall decide the result by drawing lots, under observation of witnesses and update the information in system accordingly.
- iv. BOS has to Click "Publish" button in order to display the result in the election portal.
- v. The administrator i.e. the Secretary and Director General shall have the right to withhold the result of an election, if necessary. In case BOS is required to withhold the result of any election then it must be communicated to the Secretary and Director General i.e. Administrator in writing well in advance for taking needful action.

#### **H. Result:**

- i. The BOS shall print the report on the result of the voting which shall be signed by the members of the BOS present and present the report along with connected papers to the Chairman of the Centre and forward a copy of the report to the Honorary Secretary of the Centre and also to the Secretary & Director General of the Institution for necessary action. The names of the winning candidates shall also be put on display at the Election Site after publication of the same by BOS. The result shall be available in public domain upto 30 days from the date of declaration of result.

- ii. In case the BOS does not publish the result explicitly for any reason whatsoever, the result shall not be available in public domain.
- iii. After publication of the result by BOS, the Administrator i.e. the Secretary and Director General shall be able to view/ print the result.
- iv. In case of multiple elections, withholding the result of a particular election (because of unavoidable circumstances e.g. court stay order etc.) shall not impact the publishing of result(s) of other election(s).

### **KEY FEATURES/ TERMINOLOGIES**

#### **I. Administrator**

Secretary and Director General (SDG) shall function as the Administrator of the Election Software. Administrator shall ensure the smooth functioning of the entire system pertaining to the functionalities of the election software. Administrator shall arrange for Login details of the BOS members upon receipt of the details of BOS. The Administrator shall also examine the feasibility of any request received from Convener, BOS for changes/modification in election schedule, blocking an election etc. and arrange needful. Administrator shall overview the progress of the ongoing elections. He shall function as per the rules and regulations of the ByeLaws and laid down procedure for conduct of election duly approved by the Council.

#### **J. Board of Scrutineers (BOS)**

Board of Scrutinners are responsible for smooth conduct of the election under their control. No person shall be member of BOS for more than two consecutive elections. In case any issue / observation made by BOS or brought to the notice of BOS regarding the conduct/functioning of online election for which BOS requires support, then the details of such observation must be brought to notice of Administrator by Convenor, BOS. BOS shall work in close coordination with the Administrator for early resolution / resolve of the issue.

#### **K. BOS Control Panel**

- i. The BOS can access the BOS Control Panel of Election software only after they log-in with their log-in ID and requisite password. The Login credentials for BOS shall be made available to them by the Administrator. Before the first log-in, they will be required to change their password. BOS members have to create their own password and have to keep it strictly confidential.
- ii. The number of seats in an election shall be shown by the system along with the list of all candidates election-wise who has made successful payment shall also be available before the BOS. BOS has to scrutinise the nominations rejecting the nominations which may be found to be invalid on account of their not being in conformity with the above requirements or under Regulation 23(c). Reason of rejection, if any shall have to be recorded by BOS.
- iii. BOS members as per quorum specified are to login simultaneously from a single machine in order to access the BOS dashboard.
- iv. In case of any discrepancy/ problem/ trouble reported to the BOS by any candidates regarding online payment, submission of nomination etc., the BOS must bring it to the notice the Administrator immediately in writing / email.

#### **L. Security:**

- i. A voter can log in using his / her password generated by himself/ herself through the election portal and delivered to his / her mobile phone / e-mail as registered in the electoral roll. However, while casting the vote, a system generated One Time Password (OTP) shall be sent to his / her both mobile / e-mail as registered in the electoral roll. Voter has to use



that OTP for casting his / her vote. The validity of the OTP shall be for five minutes only or till its first successful use whichever is earlier.

- ii. The election service provider is to provide the source code under sealed cover to the Secretary and Director General for the purpose of record and safe custody. The Source Code is not to be opened and is to be kept sealed.
- iii. Election Software Application has to be hosted in server with valid SSL Certificate.
- iv. In case any correction/ change required by the BOS due to wrong entry/ change of schedule etc. a communication is to be sent by the Convenor, BOS to the Administrator i.e. the Secretary and Director General. On receipt of such request, the Administrator shall arrange for necessary corrections, if feasible.
- v. The software shall log out automatically if no activity takes place for 10 minutes. After automatic logging out, re-logging by all three BOS members to access the site is mandatory.
- vi. The election window shall open/close at midnight i.e. 2400 hours on the date specified and no voting would be possible after the closure.
- vii. The vote cast by a voter shall be encrypted and not available to anyone.

#### **M. Electronic Intimation:**

Following electronic intimation should be sent:

- i. Notice inviting nomination to the registered email id of the eligible corporate members as registered in the electoral roll. It would be sent through centralized gateway of email service provider upon receipt of the duly filled- in format of the notice from respective BOS. This would be circulated at least 15 days in advance from the last date of submit of nomination.
- ii. Information about the start of e-voting to the both registered email or mobile of the eligible electronically reachable corporate members as per electoral roll. In case of members residing at abroad such information shall be sent by email only. This system generated information would be sent prior to the start date of the election but after the date specified for the withdrawal of nomination.

#### **N. Login Credentials:**

Members are required to generate their login credentials by themselves. For generation of login credentials, the member must be in the electoral roll, electronically reachable and required to visit election portal. An eligible voter or contestant visiting the Institution's website [www.ieindia.org](http://www.ieindia.org) will be guided to the election portal. The members can generate their credentials through the "Get Password" option using his membership no. (e.g. AM1498757, F-1258972, M-0025688 etc.). The Login credentials generated shall be delivered to both mobile and email id of the concerned member as registered in the electoral roll. In case of any members residing in abroad such information shall be sent by email only. The login credentials once generated by a member shall be valid for all subsequent login of the said election(s) cycle i.e. he/she can use the same credentials for submission of nomination, withdrawal of nomination, casting of vote etc.

Login credentials for BOS shall be sent by Administrator separately which is exclusively meant for BOS activity only.

#### **O. One time Password (OTP):**

The OTP shall be generated by the system as and when required in the software process in order to confirm the activity of an authenticated

user. The OTP generated by the system shall be delivered to the mobile and/or email of the concerned user/member as registered in the electoral roll. In case of members residing at abroad such information shall be sent by email only. The validity of the OTP shall be for five minutes only or till its first successful use whichever is earlier.

#### **P. Re-election:**

Re-conduct of an election shall be held following the same procedure as it was conducted previously. Following shall be adhered to –

- i. A fresh Board of Scrutineers (BOS) should be constituted for the re-conduct of any election. The newly constituted BOS should initiate the process from the beginning i.e. by inviting self-nomination.
- ii. The electoral roll as frozen on last 31 March prior to the re-election should be used in the re-election.
- iii. The candidates, who had already paid the earnest money in the same election, shall stand exempted from paying the same once again.
- iv. The candidates winning through the re-election process shall assume office forthwith. Their term of office shall be for the reminder period i.e. co-terminus with the Committee/ Council to which election is sought.

#### **Q. Bio data:**

Bio-data (maximum 2000 character including spaces) shall be uploaded by the concerned nominated members and the Board of Scrutineers shall not be responsible for correctness or otherwise of such information. However, the BOS shall have the right to edit the biodata, if so desires and the decision of the BOS shall be full and final. This shall be available in public domain. It shall also be available for view to the voter while casting the vote on web.

#### **R. Preservation of Result and Data**

For election to Council under Bye-law 4(a)(iii), Bye-law 4(a)(iv), Regulation 3(a)(v) and Regulation 25, the papers need to be preserved till 30 days from the date of the Institution's AGM, whereafter they shall be destroyed. Similarly, details/ records of all the web voting shall be destroyed by the administrator.

#### **S. Role of Honorary Secretary and Chairman of Centre**

- i. The Chairman and the Honorary Secretary in the office and the Chairman- elect and Honorary Secretary-elect shall not be members of the BOS.
- ii. No person shall be member of BOS for more than two consecutive elections.
- iii. The Chairman / Honorary Secretary of the Centre, without involving himself in operational activities of the BOS, shall oversee the functioning of the BOS to ensure that the procedure is not violated inadvertently.
- iv. In case the Chairman / Honorary Secretary himself is a candidate in any of the elections being conducted at the Centres of which he is the Chairman / Honorary Secretary and/or candidate(s) in the election to the Council from the Division Board, he should not be involved in any of the activities relating to the election process at the Centre. In such case, the State/Local Centre Committee may resolve to authorize an appropriate available non-candidate corporate member preferably past Chairman to oversee the functioning of the BOS without involving himself in operational activities of the BOS.

## Advertisement Rates in IEI Publications

### IEI News (Printed + online)

Reach: 2,00,000 members by email + 400 hard copies to industries, Government Departments and others + Available online

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**Rate per issue**

Description	Size	Type	Total Cost (Rs.) (including GST)
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<b>5% discount for advertisement in 6 consecutive issues</b>			
<b>10% discount for advertisement in 12 consecutive issues</b>			

### IEI Epitome (Online)

Reach: 1,25,000 members by email + Available online perpetually

**Schedule: Monthly - 12 issues in a year**

**Rate per issue**

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Inside Half Page	18.9 cm (width) x 11.55 cm (height)	Colour	15,000
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- ❖ Environmental Engineering Division,
- ❖ Marine Engineering Division,
- ❖ Mechanical Engineering Division,
- ❖ Metallurgical and Materials Engineering Division,
- ❖ Mining Engineering Division,
- ❖ Production Engineering Division,
- ❖ Textile Engineering Division,
- ❖ Interdisciplinary Coordination Committee

Reach: 1,25,000 members by email + Available online

**Schedule: One issue in a year per Engineering Division**

**Rate per issue**

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Inside Cover Page	16.8 cm (width) x 22.6 cm (height)	Colour	25,000
Inside Full Page	16.8 cm (width) x 22.6 cm (height)	Colour	20,000
Inside Full Page	16.8 cm (width) x 22.6 cm (height)	B&W	15,000
Inside Half Page	16.8 cm (width) x 11.3 cm (height)	B&W	8,000

For booking, Please write to:

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The Institution of Engineers (India), 8 Gokhale Road, Kolkata - 700020

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# 58<sup>th</sup> ENGINEERS' DAY

Theme: **Deep Tech & Engineering Excellence: Driving India's Techade**

**September 15** is celebrated every year in the country since the year 1967 as "Engineers' Day" to commemorate the birthday of the legendary engineer Sir Mokshagundam Visvesvaraya. Sir Visvesvaraya, an eminent Indian engineer and statesman was born in a remote village of Karnataka, the State that is incidentally now the Hi-tech State of the country. Due to his outstanding contribution to the society, Government of India conferred "Bharat Ratna" on this legend in the year 1955. He was also called the precursor of economic planning in India. His learned discourse on Economic Planning in India, Planned Economy for India and Reconstructing India, was the first available document on the planning effort of the country and it is still held as the parent source matter for economic planners. A theme of national importance is chosen every year by the Council of the Institution and deliberated at its various State/Local Centres to educate the engineering fraternity in general and the society in particular. This year the 58<sup>th</sup> Engineers' Day will be celebrated all over the country on the theme "**Deep Tech & Engineering Excellence: Driving India's Techade**".



Bharat Ratna Sir M Visvesvaraya

On 15<sup>th</sup> September 2025, The Institution of Engineers (India) (IEI) celebrates Engineers' Day across all State and Local Centres, paying tribute to Sir M. Visvesvaraya, whose vision laid the foundation for engineering excellence in India. The theme, "**Deep Tech & Engineering Excellence: Driving India's Techade**," underscores the crucial role of engineers in steering AI, Quantum

Computing, Semiconductors, Robotics, and Advanced Materials toward national growth and global competitiveness.

As India enters its Techade, deep tech innovations are reshaping industries and redefining progress. Unlike conventional IT solutions, these technologies demand long-term R&D, scientific rigor, and advanced engineering expertise. Recognizing this, the Government of India introduced the National Deep Tech Start-up Policy (NDTSP) in 2024 to support startups and researchers working on transformative technologies. But fostering deep tech is not just about policies—it requires a robust ecosystem where research translates into industrial applications, and engineers play a defining role in this shift.

IEI, with its rich legacy of advancing engineering research and innovation, has long been a catalyst in this transformation. Through its R&D Grant-in-Aid Scheme, IEI has supported breakthrough ideas even at the undergraduate level, enabling young engineers to experiment, innovate, and create impactful solutions. This commitment to engineering-led progress has earned IEI recognition as a Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Government of India. By fostering research, bridging academia with industry, and nurturing talent, IEI has positioned itself as a key enabler of India's deep tech journey.

As we mark Engineers' Day 2025, it is evident that deep tech is no longer an emerging field—it is the present and the future. The challenge ahead is immense, but so is the opportunity. With vision, expertise, and unwavering commitment, engineers must innovate, lead, and build technologies that will drive India's transformation into a global powerhouse. And as always, IEI stands ready to support this mission, ensuring that India's engineering community continues to push the boundaries of possibility.

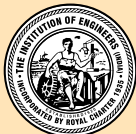


## 40<sup>th</sup> INDIAN ENGINEERING CONGRESS

Durgapur

Theme:

**Innovative Engineering Solutions for Viksit Bharat @ 2047**



Organized by

**The Institution of Engineers (India)**

Hosted by

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Date

**December 19-21, 2025**

For details pls visit: <https://40iec.org/>



# Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)  
(IMS [ISO 9001:2015, ISO 14001:2015, ISO 50001:2018, ISO 45001:2018],  
ISO/IEC 17025:2017 Certified, AICTE & CEA Recognized Institution)

## Continuing Professional Development Programmes (CPDPs) for the Month of September 2025

Sl. No.	Name of the Course	Scheduled Dates
1.	Optimum Utilization of HEMM through Efficient Operation and Condition-Based Monitoring & Maintenance	01 - 03 Sep 25
2.	Certification programme on MS Azure Cloud Administration ( AZ 900 MS Certification)	01 - 04 Sep 25
3.	Metal Casting & Forging Technology - Processes, DFM, Quality and Cost Considerations	01 - 05 Sep 25
4.	Flexibilization of Thermal Power Plants	02 - 04 Sep 25
5.	Integrated Solid Waste Management System	08 - 10 Sep 25
6.	"Comprehensive Management Training Programme for Mining, Electrical, Mechanical Supervisors & Chargehands in Mining Industry"	08 - 10 Sep 25
7.	Total Quality in Purchase process (Including ERP & e-Procurement)	08 - 11 Sep 25
8.	Geometric dimensioning and tolerancing	08 - 12 Sep 25
9.	Security Operations Center (SOC) Analyst	08 - 12 Sep 25
10.	Power System Protection - Principles, Protection Relays and Fault Analysis	09 - 12 Sep 25
11.	Future-Ready Alternatives to Single-Use Plastics	10 - 12 Sep 25
12.	Workshop on "SAR Filling" through Active Instructional Methods	10 - 12 Sep 25
13.	Advanced Excel for Report Generation & Analytics	10 - 12 Sep 25
14.	Structural Safety of Existing Dams - Evaluation and Impacts	10 - 12 Sep 25
15.	Special Heat Treatment techniques & Latest Developments in Furnaces	15 - 18 Sep 25
16.	Microsoft Certified Fabric Analytics Engineer (DP 600 Certification)	15 - 18 Sep 25
17.	Industry 5.0 Quality aspects	15 - 18 Sep 25
18.	Advanced Project Management with MS Project (Hands-on Training)	15 - 19 Sep 25
19.	Basic Principles of Mining for Personnel & IT Managers – Basics of Geology, Exploration, Surveying, Mineral Extraction, Rehabilitation, Team Building, HR Practices	15 - 19 Sep 25
20.	Renovation & Modernization of TPP Units, Case Studies along with Commercial Aspects	16 - 19 Sep 25
21.	Introduction to Radar and EW System	22 - 24 Sep 25
22.	Impact of digging on Urban Roads and its Management	22 - 26 Sep 25
23.	NDT Level II Certification in Ultrasonic Technique (in Accordance with ASNT Document No. SNTC-1A 2020)	22 - 26 Sep 25
24.	Hydraulic Gates and Hoists - Design, Erection and Operation & Maintenance including Dismantling	22 - 26 Sep 25
25.	Integrating Urban Development and Wetland Conservation	22 - 26 Sep 25
26.	FDP on Achieving Excellence in Technical Education	24 - 25 Sep 25
27.	Pilferage of Electricity - Detection & Prevention - Issues & Challenges	24 - 26 Sep 25

For detail information please contact:

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# IEI DIARY



## Agricultural Engineering Division

### One Day Seminar on "Unlocking Opportunities Govt. Grants and Funding Schemes for Agricultural Research and Education"

Salem, September 20, 2025

The Honorary Secretary, IEI, Salem Local Centre, 104/7, Manivannan Road, 3rd Floor, SPC, Bhawan, Opp to Salem New Bus Stand, Salem 636004 [☎: 0427-2332544, E-mail: salemc@ieiindia.org, Website: www.ieisl.com]

### All India Seminar on "The Role of Advanced Machinery in Postharvest Management from Farm to Market Efficiency"

Coimbatore, November 06-07, 2025

The Honorary Secretary, IEI, Coimbatore Local Centre, PSG Tech Campus, Peelamedu, Coimbatore, Tamilnadu 641004 [☎: 0422-2580733, E-mail: coimbatorelc@ieiindia.org; ieicoimbatore@gmail.com, Website: www.ieicoimbatore.org]

### All India Seminar on "Watershed Development and Management Programmes: Monitoring and Evaluation"

Ahilyanagar, January 8-9, 2026

The Honorary Secretary, IEI, Ahilyanagar, Abhiyanta Bhavan, Survey No. 243, Behind Haral Hospital, Kalyan Road, Ahilyanagar 414001 [☎: 0241-2323359, Email: ahmednagarlc@ieiindia.org]

## Aerospace Engineering Division

### One Day Seminar on "Living in Space" Kattankulathur, October 08, 2025

The Honorary Secretary, IEI, Kattankulathur Local Centre, SRM Institute of Science and Technology, Mahatma Gandhi Road, Potheri, SRM Nagar, Dist Chengalpattu, Kattankulathur, Tamilnadu 603203, [☎: 044-2745 2270]

### All India Seminar on "Priority of Safety Culture in Aviation Industry"

Gwalior, October 24-25 2025

The Honorary Secretary, IEI, Gwalior Local Centre, Green Park, Engineer Road, Behind New Collectorate, City Centre, Gwalior 474011 [☎: 0751-2454168, E-mail: gwaliorlc@ieiindia.org]

### Thirty-eight National Convention of Aerospace Engineers on "Advancing AI and Additive Manufacturing in Aerospace Industries"

Salem, November 06-07, 2025

The Honorary Secretary, IEI, Salem Local Centre, 104/7, Manivannan Road, 3rd Floor, SPC, Bhawan, Opp to Salem New Bus Stand, Salem 636004 [Ph: 0427-2332544, E-mail: salemc@ieiindia.org, Website: www.ieisl.com]

## Architecture Engineering Division

### All India Seminar on "Road To 2070: Engineering India's Transition To Net-Zero"

Gorakhpur, September 26-27, 2025

The Honorary Secretary, IEI, Gorakhpur Local Centre, Administrative Block, Institute of Technology & Management, AL-1, Sector 7, GIDA, Gorakhpur 273209 [Mobile: 8707269768, Email: gorakhpurc@ieiindia.org, Website : www.ieigorakhpur.org]

### Fortieth National Convention of Architectural Engineers on "Towards Sustainable Cities -Strategies and Technologies"

Kochi, October 09-10, 2025

The Honorary Secretary, IEI, Kochi Local Centre, IEI Bhavan, Government Homeo Hospital Road, Pullepady, PO: Kaloore, Kochi 682017 [☎: 0484-2403838 / 2403993, E-mail: kochilc@ieiindia.org; Website: www.ieikochi.org]

## Chemical Engineering Division

### All India Seminar on "Sustainability on Process During Chemical Operations"

Thiruvananthapuram, September 19-20, 2025

The Honorary Secretary, IEI, Kerala State Centre, Visvesvaraya Bhavan, Opposite Kanakakunnu Palace, Thiruvananthapuram 605033, [☎: 0471-2322991, 8078027563; E-mail: keralasc@ieiindia.org; Website: www.ieitvm.org]

### All India Seminar on "Innovations in Biotechnology: Shaping the Future of Health and Sustainability"

Hosur, September 24-25, 2025

The Honorary Secretary, IEI, Hosur Local Centre, 1/73, IEI HLC Building, Sri Venkateswara Colony, Kumudepalli, Hosur, Tamilnadu -635109 [Email: hosurc@ieiindia.org]

### All India Seminar on "Circular Economy In Chemical Engineering Innovations for A Sustainable Future"

Puducherry, September 24-25, 2025

The Honorary Secretary, IEI, Puducherry State Centre, No. 63, Nethaji Subash Chandra Bose Salai, Ground Floor, PWD Campus, Puducherry 605001 [Mobile: 9489766701, E-mail : puducherryesc@ieiindia.org, Website : www.ieipsc.org]

### One Day workshop on "Plasma Gasification for Conversion of Municipal Solid Waste to Syngas"

Tiruchirappalli, November 05, 2025

The Honorary Secretary, IEI, Tiruchippalli Local Centre, BHEL Main Office Road, Opposite to 79 Building, Kailasapuram Post, Tiruchirappalli 620014, Tamil Nadu [E-mail: tiruchirappallilc@ieiindia.org]

## Civil Engineering Division

### One Day Seminar on "Green Building Technologies Towards A Sustainable Built Environment"

Indore, September 17, 2025

The Honorary Secretary, IEI, Indore Local Centre, SGSITS Campus, 23, Sir M Visvesvaraya Marg (Park Road), Indore 452003 [E-mail: indorelc@ieiindia.org]

### All India Seminar on "Intelligent Drones in Industry 7.0 AI and IoT Driving the Future of Engineering"

Salem, September 22-23, 2025

The Honorary Secretary, IEI, Salem Local Centre, 104/7, Manivannan Road, 3rd Floor, SPC, Bhawan, Opp to Salem New Bus Stand, Salem 636004 [Ph: 0427-2332544, E-mail: salemc@ieiindia.org, Website: www.ieisl.com]

### All India Seminar on "Designing Disaster Resilient Structures-Lessons for the Future"

Thiruvananthapuram, September 23-24, 2025

The Honorary Secretary, IEI, Kerala State Centre, Visvesvaraya Bhavan, Opposite Kanakakunnu Palace, Thiruvananthapuram 605033, [☎: 0471-2322991, 8078027563; E-mail: keralasc@ieiindia.org; Website: www.ieitvm.org]

### All India Seminar on "Sustainable Retrofitting and Rehabilitation for Future Ready Infrastructure"

Bareilly, September 26-27, 2025

The Honorary Secretary, IEI, Bareilly Local Centre, Engineers' Bhawan, 44 Camphor Estate Colony, Near

Camphor Hospital, Rampur Road, C B Ganj, Bareilly 243502, Uttar Pradesh [Mobile : 9634953691, E-mail : bareillylc@ieiindia.org, Website: www.blcieindia.in]

### One Day Seminar on "Building Tomorrow Nextgen Tools for Civil and Architectural Transformation"

Trichur, September 09, 2025

The Honorary Secretary, IEI, Trichur Local Centre, ISTE Building, P.O.: Viyyur, Trichur, 680010, [☎: 0487-2321738, Email: trichurc@ieiindia.org]

### All India Workshop on "Ultrahigh Performance Concrete UHPC for Advanced Structural Applications"

Kattankulathur, September 30, 2025

The Honorary Secretary, IEI, Kattankulathur Local Centre, SRM Institute of Science and Technology, Mahatma Gandhi Road, Potheri, SRM Nagar, Dist Chengalpattu, Kattankulathur, Tamilnadu 603203, [☎: 044-2745 2270]

### All India Seminar on "Forensic in Civil Engineering"

Nagpur, October 10-11, 2025

The Honorary Secretary, IEI, Nagpur Local Centre, North Ambazari Road, Nagpur 440010 [☎: 0712-2525617, E-mail: nagpurc@ieiindia.org, Website: ieinagpur.net]

### One Day Seminar on "Urban Flood Management Strategies For Resilient Cities"

Coimbatore, October 11, 2025

The Honorary Secretary, IEI, Coimbatore Local Centre, PSG Tech Campus, Peelamedu, Coimbatore, Tamilnadu 641004 [☎: 0422-2580733, E-mail: coimbatorelc@ieiindia.org; ieicoimbatore@gmail.com, Website: www.ieicoimbatore.org]

### All India Seminar on "Advanced Civil Engineering Practices for Sustainable Infrastructure Development ACED2025"

Lucknow, November 28-29, 2025

The Honorary Secretary, IEI, Uttar Pradesh State Centre, Engineers' Bhawan, River Bank Colony, Lucknow 226018 [☎: 0522-3512499, E-mail: upsc@ieiindia.org, Website: www.ieiup.org.in]

## Computer Engineering Division

### One Day Seminar on "AI and Machine Learning in Quantum Computing Bridging the Future of Intelligent Systems"

Kattankulathur, September 08, 2025

The Honorary Secretary, IEI, Kattankulathur Local Centre, SRM Institute of Science and Technology, Mahatma Gandhi Road, Potheri, SRM Nagar, Dist Chengalpattu, Kattankulathur, Tamilnadu 603203, [☎: 044-2745 2270]

### One Day Seminar on "IoT Applications In Agriculture and Healthcare"

Chandigarh, September 12, 2025

The Honorary Secretary, IEI, Punjab & Chandigarh State Centre, Plot No.1-A, Engineers Bhawan, Madhya Marg, Sector 19-A, Chandigarh 160019 [☎: 0172-2775418, E-mail: pcsc@ieiindia.org; ieichd@yahoo.com, Website: www.ieichd.org]

### International Conference on "International Conference in Business Intelligence and Data Analytics"

Jaipur, October 04-05, 2025

The Honorary Secretary, IEI, Rajasthan State Centre, Gandhi Nagar, Tonk Road, Jaipur 302015, [☎: (0141) 2706327, E-mail: rajasthansc@ieiindia.org]

### One Day Seminar on "Green Computing And Sustainable AI"

Kanchepuram, October 08, 2025

The Honorary Secretary, IEI, Kanchepuram Local Centre, IEI, Jerusalem College of Engineering Campus, Velachery Main Road, Narayanapuram, Pallikaranai, Chennai 600100 [Mobile: 9789924739, Whatsapp No. 8870531609, E-mail: kanchepuramc@ieiindia.org, Website: www.ieindia.org]



**All India Workshop on "Nextgen Healthcare Quantum Enhanced Generative AI for Smart and Sustainable Systems"**

Tiruchirappalli, October 24-25, 2025

The Honorary Secretary, IEI, Tiruchippalli Local Centre, BHEL Main Office Road, Opposite to 79 Building, Kailasapuram Post, Tiruchirappalli 620014, Tamil Nadu [E-mail: tiruchirappallilc@ieindia.org]

**Thirty-eight National Convention of Computer Engineers on "Quantum Computing for Nextgen Digital Transformation Bridging Innovation with Intelligence" Salem, October 27-28, 2025**

The Honorary Secretary, IEI, Salem Local Centre, 104/7, Manivannan Road, 3rd Floor, SPC, Bhawan, Opp to Salem New Bus Stand, Salem 636004 [Ph: 0427-2332544, E-mail: salemclc@ieindia.org, Website: www.ieisl.com]

**One Day Seminar on "Application of IoT for Pollution Monitoring"**

Durgapur, November 01, 2025

The Honorary Secretary, IEI, Durgapur Local Centre, Nehru Avenue, B Zone, Durgapur 713 205 [Fax: 0343-2564770, Email: durgapurlc@ieindia.org, Website: http://www.ieidurgapurlc.org]

**All India Seminar on "Artificial Intelligence Design Thinking and Innovation"**

Agartala, January 16-17, 2026

The Honorary Secretary, IEI, Tripura State Centre, Pandit Nehru Complex, Gurkhabasti, PO: Kunjaban, Agartala, West Tripura 799006 [☎: 0381-2304700, Mobile: 9774129593; Email: tripurasc@ieindia.org; ieitripura@gmail.com, Web: www.ieitripura.org]

**Electrical Engineering Division**

**All India Workshop on "Signal Intelligence Winter School on Image and Signal Processing"**

Kattankulathur, September 09-10, 2025

The Honorary Secretary, IEI, Kattankulathur Local Centre, SRM Institute of Science and Technology, Mahatma Gandhi Road, Potheri, SRM Nagar, Dist Chengalpattu, Kattankulathur, Tamilnadu 603203, [☎: 044-2745 2270]

**One Day Workshop on "Essentials of Electric Vehicle Hardware Design"**

Coimbatore, September 12, 2025

The Honorary Secretary, IEI, Coimbatore Local Centre, PSG Tech Campus, Peelamedu, Coimbatore, Tamilnadu 641004 [☎: 0422-2580733, E-mail: coimbatorelc@ieindia.org; ieicoimbatore@gmail.com, Website: www.ieicoimbatore.org]

**One Day Seminar on "Smart Cities and Digital Transformation"**

Kanpur, September 27, 2025

The Honorary Secretary, IEI, Kanpur Local Centre, Engineers Bhawan, HBTU Campus, Nawabganj, Kanpur 208002 [Mobile: 9140018277, E-mail: kanpurlc@ieindia.org, Website: www.ieikanpur.org]

**Fortieth National Convention of Electrical Engineers on "Influence of Artificial Intelligence on Modern Trends in Electricity Generation, Transmission & Distribution"**

Thiruvananthapuram, October 15-16, 2025

The Honorary Secretary, IEI, Kerala State Centre, Visvesvaraya Bhavan, Opposite Kanakakunnu Palace, Thiruvananthapuram 605033, [☎: 0471-2322991, 8078027563; E-mail: keralasc@ieindia.org; Website: www.ieitvm.org]

**All India Seminar on "Innovation And Sustainability in the Power Sector and Electricity Market"**

Chandigarh, November 07-08, 2025

The Honorary Secretary, IEI, Punjab & Chandigarh State Centre, Plot No.1-A, Engineers Bhawan, Madhya Marg, Sector 19-A, Chandigarh 160019 [☎: 0172-2775418, E-mail: pcsc@ieindia.org; ieichd@yahoo.com, Website: www.ieichd.org]

**One Day Seminar on "Recent Trends on Sustainable Energy Development"**

Agartala, November 01, 2025

The Honorary Secretary, IEI, Tripura State Centre, Pandit Nehru Complex, Gurkhabasti, PO: Kunjaban, Agartala, West Tripura 799006 [☎: 0381-2304700, Mobile: 9774129593; Email: tripurasc@ieindia.org; ieitripura@gmail.com, Web: www.ieitripura.org]

**Electronics & Telecomm. Engineering Division**

**One Day Seminar on "Electronics and Telecommunication in Medical Application"**

Bareilly, December 20, 2025

The Honorary Secretary, IEI, Bareilly Local Centre, Engineers' Bhawan, 44 Camphor Estate Colony, Near Camphor Hospital, Rampur Road, C B Ganj, Bareilly 243502, Uttar Pradesh [Mobile : 9634953691, E-mail : bareillylc@ieindia.org, Website: www.blcieindia.in]

**Environmental Engineering Division**

**All India Workshop on "Smart Solutions for Environmental Applications"**

Dhanbad, October 31- November 01, 2025

The Honorary Secretary, IEI, Dhanbad Local Centre, Signature Corals Apartment, Flat No.B/4, First Floor, Block – A, Kusum Vihar, Phase-I, PO: BCCL Township, Koyla Nagar, Dhanbad 826005, Jharkhand [Mobile: 9934896322/8789853083, E-mail: dhanbadlc@ieindia.org; Website: www.iedhanbad.org]

**One Day Workshop on "Smart Air Leveraging Cloud and AI to Combat Ultrafine Air Pollution PM.1 and PM1.0 for a Safer Environment"**

Tiruchirappalli, November 04, 2025

The Honorary Secretary, IEI, Tiruchippalli Local Centre, BHEL Main Office Road, Opposite to 79 Building, Kailasapuram Post, Tiruchirappalli 620014, Tamil Nadu [E-mail: tiruchirappallilc@ieindia.org]

**All India Seminar on "Energy Efficiency in Heating Ventilations and Air Conditioning"**

Ranchi, February 8-9, 2026

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, PO: Doranda, Ranchi 834002 [☎: 0651-3510412, E-mail: jharkhandsc@ieindia.org; Website: ieijscjharkhand.org]

**Mechanical Engineering Division**

**All India Seminar on "A Comprehensive Insights into Vibration based Condition Monitoring Theory Techniques Applications"**

Coimbatore, September 19-20, 2025

The Honorary Secretary, IEI, Coimbatore Local Centre, PSG Tech Campus, Peelamedu, Coimbatore, Tamilnadu 641004 [☎: 0422-2580733, E-mail: coimbatorelc@ieindia.org; ieicoimbatore@gmail.com, Website: www.ieicoimbatore.org]

**All India Seminar on "Additive Manufacturing for Enhanced Productivity"**

Agartala, November 14-15, 2025

The Honorary Secretary, IEI, Tripura State Centre, Pandit

Nehru Complex, Gurkhabasti, PO: Kunjaban, Agartala, West Tripura 799006 [☎: 0381-2304700, Mobile: 9774129593; Email: tripurasc@ieindia.org; ieitripura@gmail.com, Web: www.ieitripura.org]

**International Conference on "Advancements in Aerospace, Mechanical and Materials Engineering"**

Vijayawada, February 01-02, 2026

The Honorary Secretary, IEI, Andhra Pradesh State Centre, Dr K L Rao Bhavan, #29-33-14, Near Civil Courts, Gopal Reddy Road, Governorpet, Vijayawada 520002 [☎: 0866 – 2576822, Email: apsc@ieindia.org, Website: www.ieiapsc.org]

**Forty-first National Convention of Mechanical Engineers on "Emerging Domains in Robotics and AI"**

Thiruvananthapuram, September 23-24, 2026

The Honorary Secretary, IEI, Kerala State Centre, Visvesvaraya Bhavan, Opposite Kanakakunnu Palace, Thiruvananthapuram 605033 [☎: 0471-2322991, 8078027563; E-mail: keralasc@ieindia.org; Website: www.ieitvm.org]

**Metallurgical & Materials Engineering Division**

**All India Seminar on "Advanced Materials for Sustainable Development"**

Prayagraj October 31-Nov 01, 2025

The Honorary Secretary, IEI, Prayagraj Local Centre, 'Engineers Bhawan', MNIT Campus, Teliarganj, Prayagraj 211004, [☎: 0532- 2545539/2271149, E-mail: allahabadlc@ieindia.org]

**Mining Engineering Division**

**Thirty-fifth National Convention of Mining Engineers on "Mining And Environment Quo Vadis 2070"**

Dhanbad, November 07-08, 2025

The Honorary Secretary, IEI, Dhanbad Local Centre, Signature Corals Apartment, Flat No.B/4, First Floor, Block – A, Kusum Vihar, Phase-I, PO: BCCL Township, Koyla Nagar, Dhanbad 826005, Jharkhand, Mobile: 9934896322/8789853083, E-mail: dhanbadlc@ieindia.org; Website: www.iedhanbad.org

**Production Engineering Division**

**Fortieth National Convention of Production Engineers on "Sustainable Smart Manufacturing for Sustainable Economy"**

Coimbatore, June 19-20, 2026

The Honorary Secretary, IEI, Coimbatore Local Centre, PSG Tech Campus, Peelamedu, Coimbatore, Tamilnadu 641004 [☎: 0422-2580733, E-mail: coimbatorelc@ieindia.org; ieicoimbatore@gmail.com, Website: www.ieicoimbatore.org]

**Textile Engineering Division**

**One Day Seminar on "Indian Textile Industry in New Tariff Era"**

Kanpur, October 29, 2025

The Honorary Secretary, IEI, Kanpur Local Centre, Engineers Bhawan, HBTU Campus, Nawabganj, Kanpur 208002 [Mobile: 9140018277, E-mail: kanpurlc@ieindia.org, Website: www.ieikanpur.org]

**National Languages Promotional Committee**

**All India Seminar on "Total Quality Management for Field Civil Engineers"**

Puducherry, October 04-05 2025

The Honorary Secretary, IEI, Puducherry State Centre, No. 63, Nethaji Subash Chandra Bose Salai, Ground Floor, PWD Campus, Puducherry 605001 [Mobile: 9489766701, E-mail : puducherryisc@ieindia.org, Website : www.ieipsc.org]



# 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



# 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 2025 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

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The Institution of Engineers (India) as a body accepts no responsibility for the statements made by individuals. Reprints of any portion of the publication may be made provided reference thereto is quoted.

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