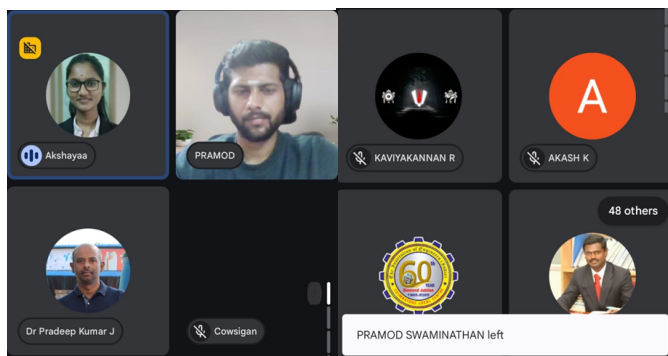


World Telecommunication and Information Society Day 2026

23.05.2026



IEI Coimbatore Local Centre celebrated World Telecommunication and Information Society Day 2026 with the theme “Digital Lifelines-Strengthening Resilience in a Connected World” by organizing a technical webinar on “The Day the World Went Dark: Strengthening Our Digital Lifelines in a Vulnerable World” in association with Department of Electronics and Communication Engineering, PSG Institute of Technology and Applied Research, Coimbatore, on 23.05.2026. The guest speaker was Er C Pramod Swaminathan, Design Verification Engineer, Qualcomm India Private Limited, Bangalore.

The event commenced with the Welcome and Presidential Address delivered by Dr M Senthilkumar, Chairman, IEI Coimbatore Local Centre. The Felicitation Address was delivered by Dr P Vijayakumar, Dean-Electrical and Computer Engineering and Professor & Head, Department of ECE, PSG iTech. The Guest Speaker was introduced by Dr M Jothibas, IEI Institution Coordinator and Assistant Professor, Department of ECE, PSG iTech.

Er C Pramod Swaminathan explained the anatomy of digital infrastructure, covering physical infrastructure, communication protocols, addressing systems, routing mechanisms, and security layers. During the session, he emphasized that “Communication is no longer merely a tool of connection; it has become the foundation upon which economies function,” and highlighted that “The internet is not magic; it is infrastructure”. The speaker also discussed the importance of cybersecurity, redundancy, and disaster recovery mechanisms in ensuring uninterrupted digital services.

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

World Environment Day 2026

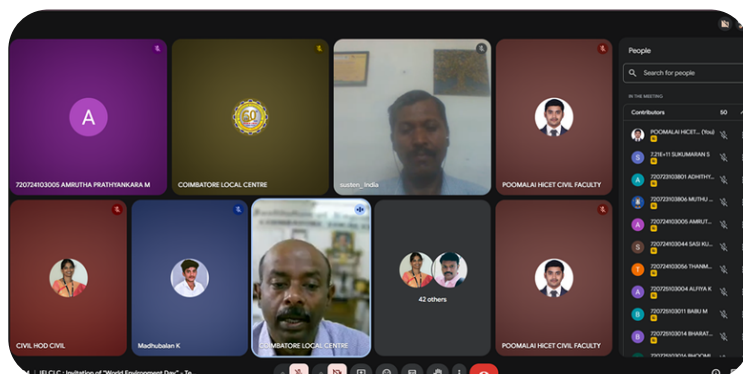
05.06.2026

The Institution of Engineers (India), Coimbatore Local Centre celebrated “World Environment Day 2026” with the theme “A Global Call for Climatic Action” by organizing a technical webinar on “Sustainable Development Goals: Implementation Challenges in India” on 05.06.2026. The guest speaker was Dr Sanjay Mohan Marale, Founder and President, Society for Environment and Sustainable Development, New Delhi.

Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre, welcomed the guest speaker and the participants. Dr K Akil, Professor and Head, Department of Civil Engineering, HiCET, and Committee Member, IEI Coimbatore Local Centre, introduced the guest speaker.

Dr Sanjay Mohan Marale delivered an informative webinar on the Sustainable Development Goals and their implementation in India. He explained the concept of sustainability and its importance in achieving balanced social, economic, and environmental development. He discussed the current status of SDG implementation and the progress made by various countries while identifying key barriers such as poverty, inequality, lack of awareness, financial constraints, policy gaps, and inadequate infrastructure. The speaker also highlighted the importance of integrating SDGs into engineering education, industrial practices, and public policy to accelerate sustainable development. He emphasized that collaborative action, responsible resource management, and community participation are essential for achieving the 2030 Sustainable Development Agenda. He encouraged students and professionals to actively contribute towards sustainable practices in their personal and professional lives.

The session concluded with a vote of thanks proposed by Mr R Poomalai, Assistant Professor, Department of Civil Engineering, HiCET.



Fortieth National Convention of Production Engineers and National Seminar on “Sustainable Smart Manufacturing for Circular Economy”

19-20 June 2026



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

The event commenced with the welcome address by Dr M Senthilkumar, Chairman, IEI Coimbatore Local Centre. Dr M R Pratheesh Kumar, Organizing Secretary, presented the convention theme, highlighting the integration of digital technologies, resource efficiency, and circular economy principles in manufacturing. Dr S Satyanarayana, Chairman, PRDB, IEI, delivered the Presidential Address, while Dr P R Thyla, Principal (FAC), PSG College of Technology, delivered the Special Address. Er N Gopalakrishnan, Vice President–Manufacturing, ELGI Equipments Limited, addressed the gathering as the Guest of Honour. The convention was inaugurated by Er Rajkumar Ammaippan, Senior Vice President, TVS Motor Company, Hosur, who emphasized sustainable manufacturing, digital transformation, and innovation-driven industrial growth.

During the inaugural session, eminent engineering professionals were honoured with the Eminent Engineer Awards and IEI Young Engineer Awards in recognition of their outstanding professional contributions. The Convention Souvenir was also released by the Chief Guest in the presence of the dignitaries. The prestigious G.C. Sen Memorial Lecture was delivered by Er Jagadeesh Rajagopalan, Plant Head–ESDM, Larsen & Toubro Limited, Coimbatore, on “Circular Economy in Product Design and Manufacturing”. The F.W. Taylor Memorial Lecture was delivered by Dr Makkhan Lal Meena, Professor, Malaviya National Institute of Technology, Jaipur.

An engaging Panel Discussion on “Future of Production Engineering” featured experts from academia, research, and industry. The discussion focused on Industry 4.0 and Industry 5.0 technologies, artificial intelligence, digital twins, additive manufacturing, smart factories, sustainability, entrepreneurship, and the evolving competencies required for future production engineers. The convention featured several invited lectures by distinguished experts covering emerging topics such as Micromachining Advances, AI, Autonomy and Cyber Security in Quality Assurance, Sustainable Smart Manufacturing, Digital Transformation, Industry 5.0, Circular Economy, Lean Manufacturing, and Smart Factory Technologies. The sessions provided participants with valuable industrial insights and recent technological developments in advanced manufacturing.

Technical paper presentation sessions were conducted over both days of the convention. More than 30 technical papers were presented by researchers, faculty members, industry professionals, and students on diverse themes including sustainable manufacturing, artificial intelligence, digital twins, additive manufacturing, precision machining, Industry 4.0, lean six sigma, circular economy, smart energy management, IoT-based manufacturing, green buildings, process optimization, advanced materials, quality engineering, and intelligent production systems. The presentations generated fruitful technical discussions and knowledge exchange among participants.

The convention concluded with the Valedictory Session, during which Dr G Madhan Mohan presented the report on the technical sessions and Dr M R Pratheesh Kumar presented the recommendations of the convention. Certificates were distributed to the participants, and six outstanding technical papers were honoured with the Best Paper Award. The programme concluded with the vote of thanks proposed by Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre.



One Day Seminar on “Climate Action for a Sustainable Future: Infrastructure, Innovation and Circular Economy”

08.04.2026

The Institution of Engineers (India), Coimbatore Local Centre, in association with Department of Civil Engineering, Hindusthan College of Engineering and Technology (HICET), Coimbatore, organized a One Day Seminar on “Climate Action for a Sustainable Future: Infrastructure, Innovation and Circular Economy” under the aegis of the ENDB, IEI on 08.04.2026.

The seminar commenced with the Welcome Address by Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre, who welcomed the dignitaries and participants. In his address, he highlighted the activities of The Institution of Engineers (India), the benefits of IEI membership, and the importance of engineering professionals in addressing global sustainability challenges. This was followed by the Felicitation Address by Dr J Jaya, Principal, Hindusthan College of Engineering and Technology, who appreciated the initiative of organizing a seminar on a globally significant theme. Dr K Akil, Committee Member, IEI Coimbatore Local Centre & Professor and Head, Department of Civil Engineering, HICET, presented an overview of the seminar, outlining its objectives and thematic focus on sustainable infrastructure, innovation, and circular economy practices.



The Chief Guest, Shri K Kalidasan, President, OSAI Environmental Organization, Coimbatore, delivered the inaugural address emphasizing the urgent need for collective climate action, environmental conservation, and sustainable development to address the growing impacts of climate change. The inaugural session concluded with the Vote of Thanks proposed by Mr R Poomalai, Assistant Professor, Department of Civil Engineering, HICET.

The first invited lecture was delivered by Shri K Kalidasan on the topic on “Climate Change - Past, Present and Future”. He explained how climate change has evolved from natural environmental variations to predominantly human-induced impacts due to industrialization, deforestation, and rapid urbanization.



The second invited lecture on “A Roadmap for Climate Action - Investing in Technology, Nature and Policy for a Sustainable Planet” was delivered by Dr Karthika Gopi, Founder & CEO, Carbelim Private Limited, Coimbatore. She discussed the importance of integrating technological innovation, nature-based solutions, and effective policy frameworks to address climate challenges. The lecture highlighted carbon reduction strategies, energy-efficient technologies, ecosystem restoration, and collaborative efforts among governments, industries, and communities for achieving long-term sustainability.

The third invited lecture on “Circular Economy: Reducing Waste and Promoting Sustainability” was delivered by Dr K Murali, Professor and Head, Department of Civil Engineering, Dr.N.G.P. Institute of Technology, Coimbatore. He explained the principles of circular economy as a sustainable alternative to the conventional linear production model. The lecture emphasized resource efficiency through reuse, recycling, and sustainable material management, particularly in the construction sector. The afternoon session featured technical paper presentations, during which five research papers were presented on various themes related to climate resilience, sustainable infrastructure, renewable energy, water management, circular economy, and digital innovations. The presentations highlighted innovative engineering solutions and research contributions towards achieving sustainable development and climate action objectives.

The programme concluded with a Valedictory Session, during which certificates were distributed to all participants.

One Day Seminar on “Diagnostics and Repairs of Aerospace and Defense Structures”

17.04.2026

The Institution of Engineers (India), Coimbatore Local Centre in association with Department of Aeronautical Engineering, Kumaraguru College of Technology (KCT), Coimbatore, organized a One Day Seminar on “Diagnostics and Repairs of Aerospace and Defense Structures” under the aegis of the ASDB, IEI on 17.04.2026.

The seminar commenced with the Welcome Address by Dr P R Natarajan, Past Chairman, IEI Coimbatore Local Centre, who welcomed the dignitaries and participants. In his address, he highlighted the objectives and activities of The Institution of Engineers (India), the benefits of IEI membership, and the role of professional bodies in advancing engineering knowledge. This was followed by the Felicitation Address by Dr M Ezhilarasi, Principal, KCT, who appreciated the initiative of organizing the seminar on a contemporary and industry-relevant theme. Dr M Senthil Kumar, Committee Member, IEI Coimbatore Local Centre and Head, Department of Aeronautical Engineering, KCT, presented an overview of the seminar, outlining its objectives and the importance of structural diagnostics and repair technologies in ensuring the safety and reliability of aerospace and defense systems. The Chief Guest, Mr A M Palanisamy, Chairman, Aerospace Materials Private Limited, Coimbatore, delivered the inaugural address and emphasized the significance of enhancing the lifespan, reliability, and structural integrity of aerospace components through advanced engineering practices and innovative maintenance techniques. The inaugural session concluded with the Vote of Thanks proposed by Dr K Naveen Kumar, Assistant Professor, Department of Aeronautical Engineering, KCT.



The first invited lecture on “Best Practices for Ensuring Longevity and Performance of Aerospace and Defense Structures” was delivered by Mr A M Palanisamy. He discussed the critical factors influencing the durability and reliability of aerospace structures, including material selection, fatigue analysis, corrosion prevention, and lifecycle management.

The second invited lecture on “Battlefield Engineering: When Machines Fail – Aerospace Structural Failures & How Engineers Keep Machines Alive” was delivered by Former Wing Commander A Satish Kumar, Executive Director, De Drone World Solutions Pvt. Ltd. and Director & CEO, Vil Aviation Pvt. Ltd., Coimbatore. The session focused on structural failures encountered in defense and aerospace operations and the engineering approaches adopted to restore mission-critical systems.

The third invited lecture on “Non-Destructive Testing (NDT) Techniques for Aerospace Materials” was delivered by Dr K Anton Savio Lewis, Assistant Professor, Department of Aerospace Engineering, Karunya Institute of Technology and Sciences, Coimbatore. He explained various advanced inspection methods used to evaluate aerospace components without causing damage, including Ultrasonic Testing, Radiographic Testing, Eddy Current Testing, and Magnetic Particle Inspection.

The fourth invited lecture on “Emerging Repair Technologies and Material Innovations” was delivered by Mr Suresh Kumar Mishra, Plant Head, LMW Advanced Technology Centre, Coimbatore. He discussed recent advancements in aerospace repair technologies and high-performance materials used for structural restoration.

The programme concluded with a Valedictory Session, during which certificates were distributed to all participants.



One Day Seminar on “Nano Materials in Construction: The Future of Smart and Sustainable Buildings”

22.04.2026



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

The programme commenced with the Welcome and Presidential Address by Dr S Shanmugam, Past Chairman, IEI Coimbatore Local Centre, who welcomed the dignitaries and participants. This was followed by the Felicitation Address by Dr R Devi Priya, Principal, KPR Institute of Engineering and Technology, who appreciated the initiative of organizing the seminar on an emerging area of construction technology. Dr K S Elango, Professor and Head, Department of Civil Engineering, KPRIET, presented an overview of the seminar, outlining its objectives and the significance of nanotechnology in transforming modern construction practices. The Chief Guest, Dr T Sakthivel, Manager, Technical Services, L&T Construction, delivered the inaugural address emphasizing the importance of Life Cycle Assessment, sustainable construction practices, and environmentally responsible decision-making in infrastructure development. The inaugural session concluded with the Vote of Thanks proposed by Ms S Bharani, Assistant Professor, Department of Civil Engineering, KPRIET.



The first invited lecture on “Integrating Life Cycle Assessment into Construction Decision-Making” was delivered by Dr T Sakthivel. He explained the significance of Life Cycle Assessment (LCA) in evaluating the environmental impacts of construction materials and processes throughout their lifecycle. The lecture highlighted carbon footprint analysis, resource optimization, energy efficiency, and sustainable material selection as essential factors in infrastructure planning. The second invited lecture on “Nano Materials as Enabling Tools for Next Generation Civil Infrastructure” was delivered by Dr M Ananthkumar, Assistant Professor, Department of Civil Engineering, Amrita Vishwa Vidyapeetham, Coimbatore. He discussed the role of nanomaterials in enhancing the strength, durability, and performance of construction materials. The lecture covered applications of nano-silica, nano-coatings, self-cleaning surfaces, and smart materials in modern infrastructure.



The afternoon session featured technical paper presentations, during which four papers were presented on innovative applications of smart technologies in civil engineering. The presentations covered topics related to solar-powered smart irrigation systems, smart parking management, real-time structural health monitoring using IoT sensors, and smart waste segregation and monitoring systems. The papers demonstrated the integration of sensors, automation, and Internet of Things (IoT) technologies in addressing real-world infrastructure challenges. The session encouraged innovation, interdisciplinary learning, and practical problem-solving among the participants.

The programme concluded with a Valedictory Session, during which certificates were distributed to all participants. The seminar provided an excellent platform for academicians, researchers, students, and practicing engineers to gain insights into the latest developments in nanomaterials, sustainable construction practices, life cycle assessment, and smart infrastructure technologies. The technical sessions promoted knowledge sharing and highlighted innovative approaches for developing resilient, sustainable, and future-ready buildings.

Technical Webinar on “Green Biotechnology for Environmental Sustainability”

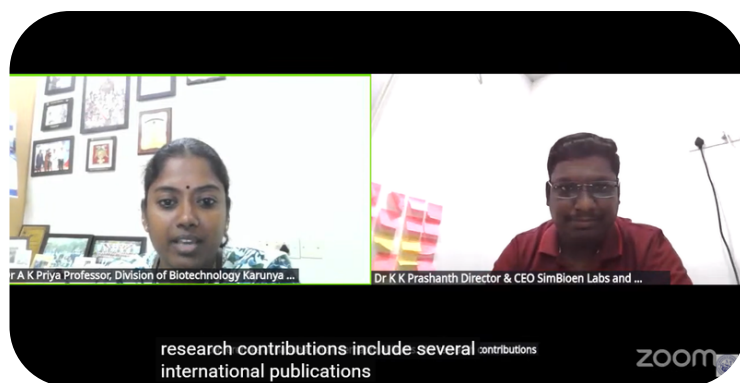
28.04.2026

The Institution of Engineers (India), Coimbatore Local Centre, in association with Division of Biotechnology, Karunya Institute of Technology and Sciences, Coimbatore, organized a technical webinar on “Green Biotechnology for Environmental Sustainability” under the aegis of the CHDB, IEI, on 28.04.2026.

The webinar commenced with the Welcome and Presidential Address by Dr M Senthilkumar, Chairman, IEI Coimbatore Local Centre, who welcomed the guest speakers and participants. In his address, he emphasized the importance of green biotechnology in addressing environmental challenges through sustainable and eco-friendly technologies. He highlighted the role of biotechnology in promoting environmental conservation, resource efficiency, and sustainable development, thereby setting the context for the technical sessions.



Dr Vivek Suresh Dalvi, Program Manager, Indian Institutes of Technology Bombay Research Hub for Green Energy and Sustainability, Mumbai, delivered the first technical lecture. He presented an in-depth discussion on the transformative role of microalgae in sustainable wastewater treatment and resource recovery. He explained how microalgal systems effectively remove nutrients while generating valuable biomass for biofuels, biofertilizers, and biochemicals. The session covered advanced photobioreactor design, circular economy applications, techno-economic analysis (TEA), and life cycle assessment. He also discussed challenges related to large-scale implementation and highlighted future opportunities involving AI-driven optimization and hybrid biorefinery systems for sustainable environmental management.

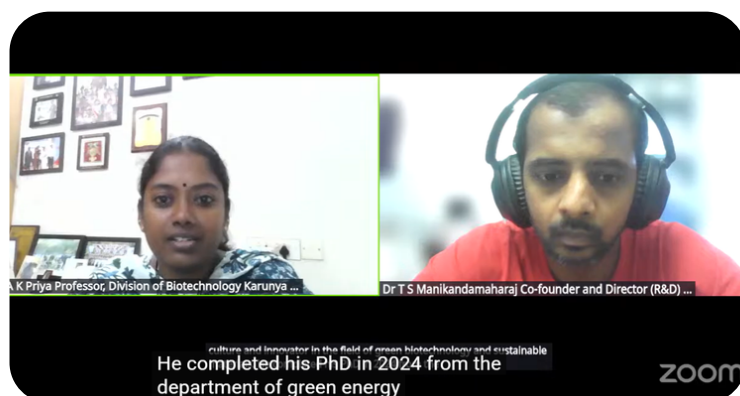


The second technical lecture was delivered by Dr K K Prashanth, Director & CEO, SimBioen Labs and Scientific Services Private Limited, Chennai. He provided a comprehensive overview of emerging alternative animal models and their growing importance in preclinical drug discovery.

The third technical lecture was delivered by Dr T S Manikandamaharaj, Co-founder and Director (R&D), Xenobiomic Research and Technological Development Private Limited, Puducherry. He discussed the convergence of additive manufacturing and green biotechnology for environmental sustainability.

The interactive session was moderated by Dr A K Priya, Committee Member, IEI Coimbatore Local Centre and Professor, Division of Biotechnology, Karunya Institute of Technology and Sciences, Coimbatore. Participants actively interacted with the speakers on topics including wastewater treatment technologies, alternative drug testing methods, and advanced manufacturing approaches for environmental remediation. The moderator emphasized the importance of interdisciplinary research, academia-industry collaboration, policy support, and techno-economic and life cycle assessments to facilitate the large-scale adoption of sustainable biotechnological solutions.

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



One Day Seminar on “Innovative Solutions for Waste Management: Harnessing Modern Technologies to Tackle Trash”

04.05.2026



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

The programme commenced with the Welcome Address by Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre, who welcomed the dignitaries and participants. This was followed by the presentation of the seminar theme by Dr R Premasudha, Professor and Head, Department of Civil Engineering, ACET, who highlighted the objectives of the seminar and the need for sustainable and technology-driven waste management practices. Dr R Vignesh, Associate Professor, Department of Civil Engineering, ACET, introduced the Chief Guest. The Chief Guest, Dr V Johnpaul, Assistant Professor, Department of Civil Engineering, Karpagam Academy of Higher Education, Coimbatore, delivered the inaugural address emphasizing the growing importance of effective solid waste management in achieving environmental sustainability and improving the quality of urban living. The inaugural session concluded with the Vote of Thanks proposed by Ms D Kalaimathi, Assistant Professor, Department of Civil Engineering, ACET.

The first invited lecture on “Construction Waste Management and Reuse: From Site Challenges to Sustainable Solutions” was delivered by Dr V Johnpaul. He discussed the environmental challenges associated with construction and demolition waste and emphasized the importance of effective waste segregation, recycling, material recovery, and reuse. The lecture highlighted sustainable construction practices, innovative

waste management strategies, and practical approaches to minimizing landfill disposal while promoting resource conservation and green building initiatives.

The second invited lecture on “Circular Economy and Smart Technologies for Sustainable Waste Management” was delivered by Dr S Hema, Associate Professor, Department of Civil Engineering, Sri Ramakrishna Engineering College, Coimbatore. She explained the transition from the traditional linear economy to a circular economy that emphasizes resource efficiency, recycling, and waste minimization.

The third invited lecture on “Sustainable Waste Management in the Construction Industry” was delivered by Dr R Anuradha, Professor and Head, Department of Civil Engineering, Adithya Institute of Technology, Coimbatore. She discussed sustainable approaches for managing construction waste through effective planning, material recycling, reuse, and efficient resource utilization. The lecture emphasized environmentally responsible construction practices, proper waste segregation, and policy implementation to reduce environmental impacts while supporting sustainable development goals. The fourth invited lecture on “Effective Solid Waste Management is a Boon for Circular Economy” was delivered by Dr G L Sathyamoorthy, Professor, Department of Civil Engineering, Kumaraguru College of Technology, Coimbatore. He highlighted the importance of effective solid waste management in promoting the principles of the circular economy through waste reduction, recycling, resource recovery, and sustainable utilization of materials.



The programme concluded with a Valedictory Session, during which certificates were distributed to all participants. The seminar provided an excellent platform for academicians, engineers, researchers, and students to exchange knowledge on sustainable waste management practices, circular economy principles, and emerging technologies for resource recovery.

Technical Webinar on “AI Architectures for Digital Twins: Cyber Physical Systems and Scalable Data Engineering”

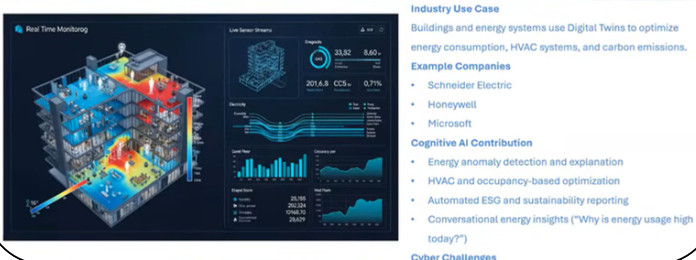
11.05.2026

IEI Coimbatore Local Centre, in association with Department of Computer Science and Engineering, Sri Shakthi Institute of Engineering and Technology, Coimbatore, organized a technical webinar on “AI Architectures for Digital Twins: Cyber Physical Systems and Scalable Data Engineering” under the aegis of the CPDB, IEI on 11.05.2026.

The webinar commenced with the Welcome and Presidential Address by Dr M Senthilkumar, Chairman, IEI Coimbatore Local Centre, who welcomed the guest speakers and participants. In his address, he emphasized the growing importance of Artificial Intelligence, Digital Twins, and Cyber-Physical Systems in driving Industry 4.0 and Industry 5.0 innovations. He highlighted the significance of scalable AI architectures in enabling intelligent, connected, and data-driven engineering solutions.

The first technical lecture was delivered by Mr Prakash Kamaraj, Senior Manager, Deloitte Deutschland, Bavaria, Germany. He introduced the concept of Cognitive Twins, the next generation of Digital Twin technology that integrates Generative Artificial Intelligence and Large Language Models with Cyber-Physical Systems. He explained how Cognitive Twins extend beyond conventional digital twins by enabling intelligent reasoning, predictive analytics, anomaly detection, autonomous decision-making, and natural language interaction. The lecture also highlighted applications in smart manufacturing, healthcare, robotics, autonomous vehicles, and smart cities, emphasizing the transformative potential of AI-enabled digital ecosystems.

Case 2: Smart Energy & Building Optimization Twin



The second technical lecture was delivered by Dr S K Mouleeswaran, Professor, Department of Computer Science and Engineering, Dayananda Sagar University, Bengaluru.

He explained the role of Hybrid AI Models, which combine physics-based simulations with neural networks to enhance the intelligence and reliability of Cyber-Physical Systems. He also discussed applications in smart manufacturing, healthcare, autonomous systems, and energy management, along with challenges related to computational complexity, data quality, and model integration.

The third technical lecture was delivered by Mr Jerald Felix, IT Analyst, Bosch Global Software Technologies, Coimbatore. He focused on the importance of ML-Ops in enabling scalable and reliable deployment of Digital Twins. The lecture covered continuous model retraining, model versioning, A/B testing, cloud-edge integration, automation pipelines, and monitoring frameworks for AI-driven systems. He explained how ML-Ops practices support continuous learning, operational intelligence, and efficient lifecycle management of Digital Twin applications in predictive maintenance, industrial automation, and smart manufacturing environments.



The interactive session was moderated by Dr K E Kannammal, Professor and Head, Department of Computer Science and Engineering, Sri Shakthi Institute of Engineering and Technology, Coimbatore, during which participants actively interacted with the speakers on topics related to Digital Twins, AI architectures, Cyber-Physical Systems, ML-Ops, scalability, and real-world industrial applications. The webinar provided an excellent platform for academicians, researchers, students, and industry professionals to gain insights into the latest developments in Artificial Intelligence, Digital Twins, and scalable data engineering.

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

One Day Seminar on “Technology Development and Advancements in Metal Additive Manufacturing Processes”

04.06.2026

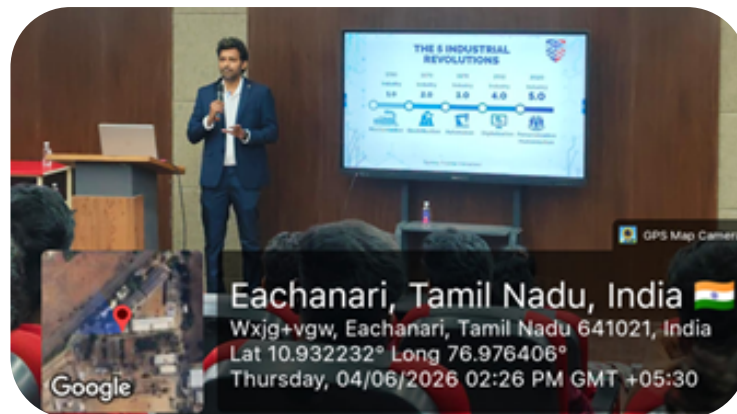


The Institution of Engineers (India), Coimbatore Local Centre, in association with the Department of Mechanical Engineering, Rathinam Technical Campus (RTC), Coimbatore, organized a One Day Seminar on “Technology Development and Advancements in Metal Additive Manufacturing Processes” under the aegis of the MCDB, IEI on 04.06.2026.

The seminar commenced with the welcome address by Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre, who highlighted the objectives and activities of The Institution of Engineers (India), the benefits of IEI membership, and the importance of advanced manufacturing technologies. This was followed by the felicitation address by Dr K Geetha, Principal, RTC. Dr R Madesh, Assistant Professor, Department of Mechanical Engineering, RTC, presented an overview of the seminar, outlining its objectives and thematic focus. The Chief Guest, Dr R Vaira Vignesh, Assistant Professor, Department of Mechanical Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, delivered the inaugural address, emphasizing that the future of manufacturing depends on engineers with interdisciplinary knowledge, digital skills, innovation capabilities, and expertise in advanced manufacturing technologies. The inaugural session concluded with the vote of thanks proposed by Mrs B Nanthini, Assistant Professor, Department of Agricultural Engineering, RTC.

The first invited lecture on “Additive Deposition of Materials with Minimal Dilution and Controlled Interfacial Diffusion” was delivered by Dr R Vaira Vignesh. He discussed the importance of controlling interfacial diffusion to improve mechanical properties, wear and corrosion resistance, and overall component performance.

The second invited lecture on “Advancements in Paste Extrusion Additive Manufacturing: Materials, Processes, and Applications” was delivered by Dr Elango Venkatachalam, Senior Engineer, Research and Development, Fabforge Innovations Private Limited, Coimbatore. He presented the fundamentals of paste extrusion additive manufacturing, highlighting material characteristics, extrusion parameters, layer deposition strategies, and post-processing techniques that influence the quality of printed components. The third invited lecture on “Road to Industry 5.0 through Smart Additive Technology” was delivered by Dr J Nagarjun, Associate Professor, Department of Mechanical Engineering, PSG Institute of Technology and Applied Research, Coimbatore. He explained the evolution of Industry 5.0 and the role of smart additive manufacturing in developing intelligent, sustainable, and human-centric production systems.



The fourth invited lecture on “Additive Manufacturing with Direct Energy Deposition: From Theory to Application” was delivered by Mr S Pradeep Kumar, Senior Associate Engineer, Design Manufacturing and Automation, School of Innovation, KGiSL Institute of Technology, Coimbatore. He explained the principles of Direct Energy Deposition (DED), covering material feeding mechanisms, energy sources, deposition strategies, and process parameters. The lecture highlighted the advantages of DED technology, including reduced material wastage, repair of high-value components, fabrication of large-scale parts, and production of functionally graded materials. Industrial applications in aerospace, automotive, defence, energy, and tooling sectors were also presented, demonstrating the growing importance of DED in modern manufacturing.

The seminar concluded with a valedictory session, followed by the distribution of certificates to all participants.

One Day Seminar on “Emerging Trends in 5G and 6G Cloud Technology to Bridge Healthcare Gaps in Remote Areas”

26.06.2026

IEI Coimbatore Local Centre, in association with the Department of Electronics and Communication Engineering, Hindusthan Institute of Technology (HITECH), Coimbatore, organized a One Day Seminar on “Emerging Trends in 5G and 6G Cloud Technology to Bridge Healthcare Gaps in Remote Areas” on 29.06.2026.

The inaugural session commenced with the welcome address by Dr J Pradeep Kumar, Honorary Secretary, IEI Coimbatore Local Centre, followed by the felicitation address by Dr C Natarajan, Principal, Hindusthan Institute of Technology. Dr B Paulchamy, Head of the Department of Electronics and Communication Engineering, Hindusthan Institute of Technology, presented an overview of the seminar. The Chief Guest, Mr G Guru Prasandh, Founder & CEO, Medsby Healthcare and Engineering Solutions, delivered the inaugural address, highlighting the transformative role of 5G-enabled telemedicine in providing quality healthcare to remote communities. The inaugural function concluded with a vote of thanks proposed by Dr K Mahendran, Associate Professor, Department of Electronics and Communication Engineering, Hindusthan Institute of Technology.



The first technical lecture was delivered by Mr G Guru Prasandh, on “5G-Enables Telemedicine: Real-Time Care for Remote Communities”. He explained how the ultra-low latency, high-speed connectivity, and massive device support of 5G networks enable real-time medical consultations, remote patient monitoring, and seamless healthcare delivery. He also highlighted the integration of Artificial Intelligence (AI), the Internet of Things (IoT), wearable health sensors, and cloud technologies in creating an intelligent and accessible healthcare ecosystem, particularly for rural and remote communities.



The second technical lecture was delivered by Mr K Silambarasan, Proprietor & Manager (R&D), DSIB Tech, Coimbatore, on “AI-Powered Diagnostics Over 5G/6G Networks”. He discussed how AI, machine learning, and deep learning technologies, combined with high-speed 5G/6G networks, are transforming healthcare through faster and more accurate disease diagnosis. He also emphasized the importance of secure communication, patient data privacy, interoperability, and the future potential of AI-enabled digital healthcare systems for delivering personalized and reliable medical services.

The afternoon session featured 21 technical paper presentations covering a wide range of emerging topics in digital healthcare and next-generation communication technologies. The presentations focused on 5G and 6G-enabled telemedicine, AI-powered diagnostics, edge and fog computing, intelligent healthcare networks, cloud-native healthcare platforms, smart ambulance systems, cardiac monitoring, emergency response systems, wearable health technologies, and AI-driven healthcare solutions. The papers showcased innovative approaches for improving healthcare accessibility, real-time patient monitoring, and intelligent medical services, particularly for rural and remote communities.

The seminar concluded with a valedictory session followed by the distribution of certificates to all participants and paper presenters in recognition of their active participation and valuable contributions to the technical sessions.



Forthcoming Activities

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

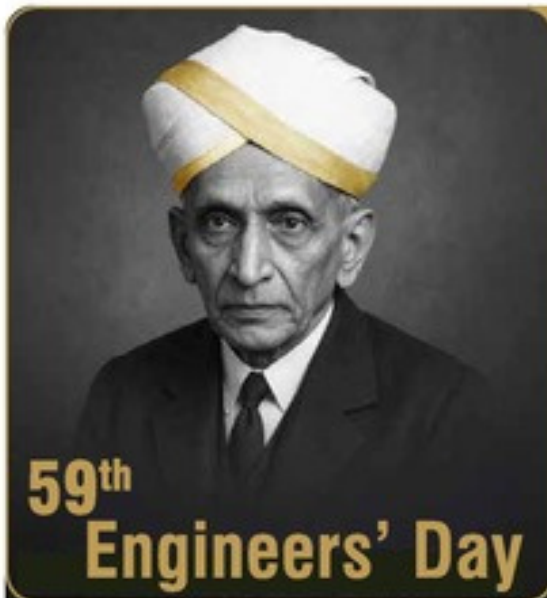
One Day Seminar on “Smart HVAC Systems: Energy Efficiency, Control & Monitoring” under the aegis of MCDB in association with Department of Foundry Technology, PSG Polytechnic College on 29.07.2026.

One Day Seminar on “From Emissions to Resources: CO₂ Capture, Storage and Utilization” under the aegis of CHDB in association with Department of Chemical Engineering, KPR Institute of Engineering and Technology on 04.08.2026.

Project Expo on “Sustainable Development in Industry 4.0 and 5.0” in association with Department of Automobile Engineering, Hindusthan College of Engineering and Technology on 18.07.2026 in the Mechanical Engineering domain.

All India Seminar on “Error-Resilient Quantum Communication for Healthcare Data Security” (under the aegis of ETDB) in association with Department of Electronics and Communication Engineering, Coimbatore Institute of Technology on 20-21, August 2026.

Project Expo on “Applications of Artificial Intelligence in the Digital Era” in association with Department of Computer Science and Engineering, Sri Shakthi Institute of Engineering and Technology, on 21.08.2026 in the Computer Engineering domain.



Theme: Engineering Excellence for a Sustainable and Technologically Sovereign India

September 15, 2026

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 59th Engineers’ Day will be celebrated all over the country on the theme “**Engineering Excellence for a Sustainable and Technologically Sovereign India**”.

As we celebrate the 59th Engineers’ Day and reflect on our journey of engineering excellence, we reaffirm our commitment to sustainability and national development. Engineering for sustainability is not merely an aspiration—it is a responsibility to create infrastructure that drives progress while safeguarding our planet for future generations.

From infrastructure and petrochemicals to process industries, information and data security, automation, and digital transformation, our contributions have consistently supported nation-building through responsible and sustainable engineering practices.

Today, the urgency of climate change and the growing demand for cleaner, smarter infrastructure have redefined our priorities. Sustainability is no longer a choice; it is an engineering mandate. Across projects worldwide, we are integrating energy efficiency, environmental stewardship, and circular economy principles into every stage of design and execution.

Our focus is now on advancing pioneering technologies such as green hydrogen, advanced bio fuels, AI-driven solutions, and carbon-conscious design. From underground crude storage systems to future-ready data centres, our engineering solutions are designed to serve both industry and the environment in a balanced and sustainable manner.

OUTSTANDING ENGINEER AWARD 2026 NOTICE

The Institution of Engineers (India)

(Established 1920, Incorporated by Royal Charter 1935)

Coimbatore Local Centre

PSG Tech Campus, Peelamedu, Coimbatore - 641 004

Dr M Senthilkumar FIE
Chairman

Dr J Pradeep Kumar FIE
Honorary Secretary



Phone: 0422 - 2580733
E-mail: ieicoimbatore@gmail.com
Website: ieicoimbatore.org

"A Century of Service to the Nation"

Ref: CLC/Outstanding Engineer/2026

Date: 01st July 2026

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

Sir / Madam,

Sub: Engineers' Day Celebrations - Outstanding Engineer Award 2026 - reg.

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

In this regard, self-nominations are invited from the Fellow Members (FIE) attached to IE(I), Coimbatore Local Centre. The fellow members who are in the **enrollment as on 31.03.2026 are only eligible** for Outstanding Engineer Award 2026.

Interested Fellow Members (FIE) may kindly send their detailed resume (**two hard copies**) stating their distinctions, honours, outstanding achievements, contributions to engineering fraternity, The Institution of Engineers (India) and any other relevant particulars to the undersigned **on or before 31st July 2026**.

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

Thanking you.

Yours sincerely,

A handwritten signature in black ink, appearing to read "J Pradeep Kumar".

Dr J Pradeep Kumar
Honorary Secretary

YOUNG ACHIEVER AWARD 2026 NOTICE

The Institution of Engineers (India)

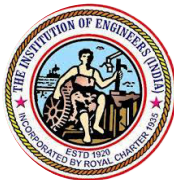
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Coimbatore Local Centre

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Dr M Senthilkumar FIE
Chairman

Dr J Pradeep Kumar FIE
Honorary Secretary



Phone: 0422 - 2580733
E-mail: ieicoimbatore@gmail.com
Website: ieicoimbatore.org

"A Century of Service to the Nation"

Ref: CLC/Young Achiever/2026

Date: 01st July 2026

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

Sir / Madam,

Sub: Engineers' Day Celebrations - Young Achiever Award 2026 - reg.

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

In this regard, applications are invited in the prescribed format from the Members (MIE) and Associate Members (AMIE) attached to IE(I), Coimbatore Local Centre. MIE's & AMIE's who are in the **enrollment as on 31.03.2026** with their age as **40 years and below (as on 31.03.2026)** **are only eligible** for Young Achiever Award 2026.

Interested MIE & AMIE members may send **two hard copies** of the filled-in application (enclosed herewith) to the undersigned **on or before 31st July 2026**.

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

Thanking you.

Yours sincerely,

A handwritten signature in black ink, appearing to read "J Pradeep Kumar", written over a white background.

Dr J Pradeep Kumar
Honorary Secretary

IEI AWARDS

CALL FOR PAPERS

The Steel Authority of India Ltd (SAIL) has instituted two Awards, namely, **SAIL AWARD** and **DR M VISVESVARAYA AWARD** to be given away every year during the Indian Engineering Congress to author(s) of the articles adjudged best on selected topics.

The topics for the year 2026 are given hereunder.

SAIL AWARD

Safety Management with Digital intervention in Steel Industry

DR M VISVESVARAYA AWARD

Sustainable Mining and Raw Material Security for Steel Industry-A Way Forward

The Coal India Ltd (CIL) has 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 2026 is given below.

COAL INDIA (J G KUMARAMANGALAM MEMORIAL) AWARD

Repurposing of Underground Mines (Abandoned/ Discontinued)

The articles preferably restricted to 3000 words along with good quality photographs may be submitted along with a Declaration Form to award@ieiindia.org within **July 31, 2026**

The template of the paper and the Declaration Form are available under the following link:

<https://www.ieindia.org/web/publication#download>

Intending contributors are requested to send the soft copy of the paper by e-mail to award@ieiindia.org (with subject heading "Papers for SAIL Award /Dr M V Award/Coal Award") and submit four printed copies of their articles to :

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



The Institution of Engineers (India)

IEI ENGINEERING EDUCATION EXCELLENCE AWARD 2026

REQUEST FOR PARTICIPATION



The IEI Engineering Education Excellence Award has been instituted to recognize leading Engineering Educational Institutions and encourage 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/web/prize-award#EEEE> for the IEI Engineering Education Excellence Award 2026.

The deadline for submitting of applications for the Award 2026 is **31 July, 2026**.

Interested applicants are requested to submit their applications (Four hard copies & One soft copy in Pen-drive/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)

ESTABLISHED IN 1920, INCORPORATED BY ROYAL CHARTER 1935

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

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LAUNCH OF

IEI MOBILE APPLICATION IEI CONNECT

IEI has launched its new mobile application to enhance connectivity, communication and services for members, students and stakeholders.



Important
Notifications



Latest Updates
& Information



Member
Services



Events &
Activities



Resources



Helpdesk



Embracing innovation and digital technology
for a connected tomorrow.



Google Play Store Link:

<https://play.google.com/store/apps/details?id=iei.mob.app>



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SCAN TO DOWNLOAD

Newsletter Editorial Committee

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Chairman, IEI CLC

Dr J Pradeep Kumar FIE
Honorary Secretary, IEI CLC

Dr K Akil FIE
Committee Member, IEI CLC

Dr P Senthilkumar MIE
Committee Member, IEI CLC

The Institution of Engineers (India)

Coimbatore Local Centre

PSG College of Tech Campus

Peelamedu, Coimbatore - 641004

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