

IEI NEWS

June 2023

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A CENTURY OF SERVICE TO THE NATION

Volume 30

Number 3

60th Annual Convention of The Institution of Engineers, Dhaka

The 60th Annual Convention organized by The Institution of Engineers, Bangladesh (IEB) in Dhaka, Bangladesh, was a momentous event that brought together engineers, professionals, and experts from various fields to explore the theme of "Innovative Engineering in the 4th Industrial Revolution". Held from May 11-16, 2023, this Convention aimed to foster dialogue, knowledge sharing, and collaboration among participants, harnessing the potential of the ongoing technological revolution. IEB, as one of Bangladesh's most esteemed national



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Thirty-seventh National Convention of Architectural Engineers and National Seminar

Modern Trends in Architectural Engineering and Construction Practices

Pune Local Centre, IEI organized 37th National Convention of Architectural Engineers during 18-19 March 2023 at Pune under the aegis of Architectural Engineering Division Board [ARDB], IEI. A National Seminar was also organized on the theme **Modern Trends in Architectural Engineering and Construction Practices**. Shri Rahul Ranjan Mahiwal, IAS, Metropolitan Commissioner and Chief Executive Officer, Pune Metropolitan Region Development Authority



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From the President's Desk.....

ChatGPT and Authorship in Research: Navigating the Changing Landscape

In recent months, ChatGPT, an advanced AI writing tool developed by OpenAI, has captivated the academic community with its ability to generate remarkably accurate human-like responses. As we explore the intersection of ChatGPT and authorship in research, it is essential to reconsider traditional notions and address the concerns raised by top publishers.

The growing involvement of ChatGPT in the realm of engineering and technology has sparked a vital question: Should a bot be cited as an author in research? Unlike authors of newspaper articles or books who are commissioned and remunerated, researchers rely on grants and recognition for their contributions. Authorship in research signifies their genuine and significant involvement, shaping their academic careers and reputations.

However, the use of AI writing tools like ChatGPT raises concerns about the validity and accountability of the generated text. Particularly in critical fields such as medicine, the potential impact of errors necessitates a clear understanding of who should be held responsible if ChatGPT's contribution proves problematic.

Leading publishers have taken a stance on ChatGPT's authorship. Springer Nature emphasizes that it does not meet the fundamental criteria, but they do not object to researchers utilizing AI tools with proper disclosure.

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NOTICE

It is hereby notified that as per Bye-Law 9, Prof Nripendra Nath Patwari, FIE, the senior most member of the IEI Council has assumed the duties of the President, IEI w.e.f 27 June 2023 after Mr C Debnath, FIE submitted his resignation from the office of President on 26 June 2023.

Maj Gen M J S Syali, VSM (Retd)
Secretary and Director General
The Institution of Engineers (India)

60th Annual Convention of The Institution of Engineers, Dhaka

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professional organizations, holds a prominent position in the country's engineering landscape. With a diverse membership of over 54,000 engineers representing various disciplines, IEB is committed to promoting excellence in engineering practices and fostering professional growth.

The Convention featured a diverse range of activities, including a National Seminar on "4th Industrial Revolution Preparedness in Society and Industry." This Seminar provided a platform for participants to explore the challenges and opportunities presented by the 4th Industrial Revolution, focusing on strategies to ensure preparedness across society and industries. The Convention offered valuable insights into the integration of digital, physical, and biological systems and their impact on various sectors.



Notably, the Convention witnessed the presence of a delegation from The Institution of Engineers (India) (IEI), led by Er C Debnath, President of IEI. The delegation included members such as Er Narendra Singh and Er Sisir Kumar Banerjee, Past Presidents of IEI, Er Masarrat Noor Khan and Er M Shyam Prasad Reddy, Council Members and Maj Gen MJS Syali, VSM (Retd), SDG, IEI. In addition, Tripura State Centre of the Institution had sent a delegation for this Convention. This attendance not only highlighted the strong ties between India and Bangladesh but also facilitated the exchange of ideas and best practices between the two nations. The delegation arrived in Bangladesh on May 12, 2023, and was warmly received by the Ex-Chairman of Chittagong Centre and the reception team from IEB. On the same day, the IEI delegation held a meeting with the President-Elect of IEB at the IEB Headquarters to discuss cooperation and rejuvenation of FEISCA (Federation of Engineering Institutions of South and Central Asia). IEB also organized a tour of their Headquarters, wherein the IEI delegation visited the office of Engr. S.M. Monjurul Haque Monju, Honorary General Secretary (Elect) of IEB, saw the medical facility that provides free treatment for all IEB members, and saw other Govt establishments located within the premises. Later in the day, Engr M A Jabbar Memorial Lecture was conducted with Chief Guest Mr. Sharif Ahmed MP, Hon'ble Minister of the Ministry of Housing & Public Works, as well as the Reception of Shaheed Engineers Family, where Lt Col Muhammad Faruk Khan (Retd) MP, Chairman of the Parliamentary Standing Committee on Foreign Affairs, served as the Chief Guest, and Engr Md Nurul Huda, President of IEB, was the Special Guest.

On May 13, 2023, the Convention was inaugurated by Her Excellency Prime Minister Sheikh Hasina of the People's Republic of Bangladesh. In her inspiring address, Prime Minister Sheikh Hasina recounted her personal journey and highlighted significant milestones achieved by Bangladesh in terms of infrastructure development, industrial growth, and advancements in science and technology. She commended the invaluable contributions of engineers towards these achievements and extended a warm welcome to all the international delegates attending the Convention. The President

of IEB, the Honorary General Secretary of IEB, and the Chairman of Dhaka Centre, IEB, also delivered addresses during the inaugural session. Honorary Secretary General, Dhaka Centre, IEB, delivered the Vote of Thanks. The inaugural session witnessed the presence of a large gathering of more than 5000 people. The inaugural session was followed by the Dr Engr M A Rashid Memorial Lecture with Chief Guest Mr. S M Rezaul Karim MP, Hon'ble Minister of the Ministry of Fisheries & Livestock, and the Prof Dr Jamilur Reza Choudhury Memorial Lecture with Chief Guest Mr. Mashiur Rahman, Economic Affairs Advisor to the Prime Minister.

The National Seminar, inaugurated on May 14, 2023, was graced by Smt Matia Chowdhury, MP, Deputy Leader of the National Parliament. In the evening, a reception was organized for foreign delegates, with Engr Md Nurul Huda, President of IEB, serving as the Chief Guest. During the reception of the foreign delegates, IEI delegation exchanged mementos with IEB and delegation from Nepal Engineers' Association. While speaking on the occasion, President, IEI emphasized the imperative need for engineers to adapt to the demands of the 4th Industrial Revolution. He underscored the multidisciplinary nature of this revolution and the importance of engineers embracing disruptive technologies and collaborating across various domains. The President highlighted the significance of sustainability and emphasized that engineers play a pivotal role in addressing global challenges such as climate change, food security, and healthcare. Furthermore, he stressed the importance of strengthening collaborations between India and Bangladesh, leveraging technology for inclusive growth, and ensuring equitable distribution of the benefits arising from the 4th Industrial Revolution.

The concluding session of the National Seminar on May 15, 2023, was attended by Mr. M A Mannan MP, Hon'ble Minister of the Ministry of Planning. The Convention's closing ceremony was held on the same day, but the Hon'ble Leader of the Opposition, Bangladesh, could not come as the Chief Guest. The IEI delegation also had the opportunity to visit the Padma Multipurpose Bridge, a significant construction project across the Padma River. This steel truss bridge, carrying a four-lane highway on the upper level and a single-track railway on the lower level, is considered the most challenging construction project in the history of Bangladesh.

In addition to the convention, a meeting was held with Engr. Jahid Absar Choudhury, Director of Absar Construction Limited, and corporate members of IEI in Bangladesh to discuss the establishment of the IEI Overseas Chapter in Dhaka, Bangladesh. The discussions also focused on the possibility of considering equivalence of engineering degrees offered by prominent universities in Bangladesh, in addition to those already enlisted under the IEI database. Furthermore, validation of data of engineers from Bangladesh who are already members of IEI and the formal inauguration of the IEI Overseas Chapter in Dhaka, Bangladesh were explored.

During the discussion, Er Sisir Kumar Banerjee, Past President of IEI, highlighted that the proposal for establishing an IEI Overseas Chapter at Dhaka was initiated during his tenure as President. In December 2018, a communication was sent to Engr Md Abdus Sabur, the then President of The Institution of Engineers, Bangladesh (IEB), seeking his concurrence towards the establishment of IEI Overseas Chapter in Dhaka/Chittagong, Bangladesh. He also mentioned that the proposal received from M/s Absar Construction Ltd based in Dhaka to establish IEI Overseas Chapter in Dhaka, Bangladesh was approved by the IEI Council at its 706th Meeting held in Mumbai on 21 Sep 2019. However, due to the onset of the pandemic immediately thereafter, the proposal for establishing an IEI Overseas Chapter in Dhaka could not be taken forward. President, IEI mentioned that the ongoing initiatives to establish an Overseas Chapter in Dhaka, will help

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Environmental, Social and Governance [ESG] in Shipping and Offshore Operation

The Institution of Engineers (India), Uttarakhand State Centre, Dehradun in association with the Institute of Drilling Technology, ONGC, Dehradun and Blue Water Trade Wind Private Limited organised All India Seminar on the theme **Environmental, Social and Governance (ESG) in Shipping and Offshore Operation** during 25-26 February 2023 at Dehradun under the aegis of Marine Engineering Division Board [MRDB] IEI. During the seminar,



domain experts delivered lectures on various pertinent issues in maritime and offshore operations, including maritime cybercrime, sea voyages, construction of artificial islands, and safety at sea. Rear Admiral O P S Rana from the Indian Navy, Ex-General Manager, Brah-Mos Aerospace, and Er K B Samal, Chief General Manager, ONGC, Dehradun, graced the inaugural function as Chief Guests. In his address, Rear Admiral Rana emphasized the new challenges faced by the shipping and sea transportation sector in the

past decade, focusing on the role of Environmental, Social, and Governance factors. Er Samal provided an introduction to drilling technology used in oil exploration and discussed environmental concerns related to Indian and overseas seashores.

During the seminar, several experts presented on various topics. Dr Prashant Aggarwal, Director of Civil Lab, Uttarakhand State Centre, IEI, demonstrated the construction of artificial islands and highlighted the challenges faced by civil engineers worldwide. Mr Avinash Vaje, Indian Registrar of Shipping, discussed Maritime Cyber Risk Management, while Er Praneet Mehta, Co-founder of JMDI Academy, addressed safety and security in sea travel and explained different indexes in maritime and shipping operations. Dr Nehal Siddiqui from Goenka University emphasized the importance of the ESG term in the shipping industry. Er Rajat Bishnoi and Er Shubham Jain from Verifavia Shipping, Chandigarh, delivered a lecture on GHG regulation in international shipping. Er R S Rahte, Ex-chief Engineer, ONGC, shared insights on handling overseas operations of drilling rigs in seabeds, specifically in Sudan and Russia. Mr Anurag Tiwari, Operations Manager at Blue Water Trade Winds, Dehradun, provided detailed information on maritime voyage optimization. Dr S K Agarwal, Ex-Director of Finance at ONGC/UJVNL, discussed financial management and explained how the maritime industry affects the world economy. A souvenir was also released during the event.

Earlier, Er Dharm Chandra, Chairman of the Uttarakhand State Centre, IEI, delivered the welcome address, and Er Satish Chand Chauhan, Honorary Secretary of the Uttarakhand State Centre, proposed the vote of thanks.

Air Quality Monitoring and Analysis: Challenges and Research Gaps

Coimbatore Local Centre, IEI organized an All India Seminar on the theme **Air Quality Monitoring and Analysis: Challenges and Research Gaps** in association with the Department of Civil Engineering, Kumaraguru College of Technology [KCT], Coimbatore during November 03-04, 2022 at Coimbatore under the aegis of Civil Engineering Division Board [CVDB], IEI. Dr Joseph V Thanikal, Director of KCT, graced the function as the Special Guest and addressed the audience. Dr V Selvan, Associate Professor and Head of



the Department of Civil Engineering, KCT, presented an overview of the seminar. Dr N Ramsundram, Associate Professor in the Department of Civil Engineering, KCT, provided a brief summary of the technical sessions. Dr Sneha Gautam, Associate Professor in the Department of Civil Engineering, Karunya Institute of Technology and Sciences, Coimbatore, elaborated on the importance of air quality monitoring and its related health effects. Dr A Gandhimathi, Associate Professor in the Department of Civil Engineering, KCT, also spoke on the occasion. Earlier, Dr S Shanmugam, Chairman of the Coimbatore Local Centre, IEI, delivered the welcome address and briefed

about the activities of IEI in promoting science and technology, particularly in the context of air pollution monitoring.

In the first technical session, Dr Sneha Gautam, Associate Professor, Department of Civil Engineering, Karunya Institute of Technology and Sciences, delivered a lecture on the topic 'The Influence of COVID-19 on Air Quality in India: A Boon or Inutile.' She shared the major negative effects of COVID-19 on the social and surrounding environment, as well as the positive effects on air quality.

The second Keynote session was handled by Er Vikas Dohare, Environmental Specialist at Aeron Systems. He presented on the topic 'Monitoring of Air Pollution using Low-cost Sensors: The Technology, Opportunities, and Challenges involved in Citizen Science Projects.' He detailed the significant impacts of air pollution on the health of the population, environment, and economy, such as shortened lifespans, increased medical expenses, and reduced productivity due to lost workdays. Moreover, he emphasized that the varying accuracy of inexpensive air sensors used in various devices limits their potential, and concerns about quality still persist. Currently, low-cost air sensors are primarily used for supplemental monitoring. Additionally, technical papers were presented on topics such as 'Particulate Matter and its Health Effects - A Review,' 'A Survey on Data and Techniques for Aerosol Prediction,' and 'A Study of Environmental Impact of Air Pollution on Human Health: PM Deposition Modeling and Air Quality Modeling to Assess Ambient Air Quality Impact Due to Foundry Unit.'

Dr N Ramsundram, Associate Professor in the Department of Civil Engineering at Kumaraguru College of Technology, Coimbatore, delivered a lecture on the topic 'Myths of Modeling.' The speaker explained that modeling

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Modern Trends in Architectural Engineering and Construction Practices

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(PMRDA), graced the inaugural function as the Chief Guest. Dr Amarnath C B, President, India BIM Association, Co-Chair, Digitalisation of Construction Project Management, CEDO29/P3, Bureau of Indian Standards, graced the occasion as the Guest of Honour. Dr Kavita Murugkar, Principal, Bharati Vidyapeeth of Architecture, Katraj, Pune, delivered the Keynote Address. Er Sandip Kumar Deb, Chairman, Architectural Engineering Division Board, IEI, presided over the function.

The programme started with lighting of the lamp by the dignitaries present on the dais. Dr Sanjay Bhaskar Zope, Chairman, Pune Local Centre, welcomed the guests, dignitaries, Eminent Engineer Awardees, delegates and participants. Dr Zope in his address focused on the role of engineering and technology for societal development.

Chairman, ARDB, IEI began his address by discussing the conceptualization of Architectural and Building engineering. He explained the role and scope of basic architecture and service engineering. Mr Deb elaborated on the salient points of National Building Code 2005 regarding the recognition of architectural engineering practice. He also emphasized the role of IEI in regulating the engineering profession in India.

Shri Rahul Ranjan Mahiwal, IAS, in his address, focused on the post pandemic transformation in construction practices. He highlighted interactive design and manufacture, enhanced collaboration among various stakeholders, and the increased application of digital tools, including Augmented Reality, Virtual Reality, Cyber Physical Systems etc., to solve real-world problems. Shri Mahiwal mentioned the application of Digital Twins, modular construction principles. He also emphasized the emerging area of health and wellness in architectural construction practices. Furthermore, he discussed resilient and sustainable building design and implementation, emphasizing the importance of greater exposure to the global emerging engineering practices.

The Guest of Honour, Dr Amarnath C B, delivered a lecture on the topic 'Digital Transformation Trend in India's Built Environment' and highlighted the digitalization of projects at different levels. He explained the benefits of implementing the Building Information into the Model (BIM) interface in terms of design, construction, asset management, operation and maintenance. Additionally, he discussed global initiatives related to BIM. Dr Amarnath further elaborated on the digital transformation strategy in the Indian context for construction projects and the strategic initiatives undertaken by the Government of India to monitor the progress of construction projects on digital platforms.

Dr Kavita Murugkar, Principal, Bharti Vidyapeeth College of Architecture, Katraj, Pune, delivered the Keynote lecture on the topic 'Emerging Disruptions in Construction Industry'. She highlighted the paradigm shift in construction practice from the project based approach to a product- based approach, focusing on mass customization. Dr Murugkar discussed the impact of rapid urbanization on the resources, habitats and environmental sustainability. The speaker explained the data-driven decision-making system in smart cities, emphasizing the integration of data and operations to achieve smart mobility, a smart economy and greater interconnectivity. She advocated for promoting green buildings, green energy and evidence- based decision-making process etc. Dr. Murugkar elaborated on the integrated approach of building design, specifically Building Information Management Modeling. Additionally, she discussed the role of Augmented Reality (AR) and Virtual Reality (VR) in Construction Management and highlighted the process of digital model building through Drone Photogrammetry. The speaker also explored the functional applications of the disruptive materials in the construction industry, such as light gauge steel, mass timber, nano crystals, pollution-absorbing bricks, etc. She further mentioned the importance of adaptive reuse of buildings and technological empowerment.

The Technical Proceedings, containing the papers presented during the

National Convention, were released on the dais in the presence of esteemed dignitaries. Er Nand Lal Chandel, Architect-in-Chief (F), PWD, Government of Himachal Pradesh; Er Sanjay Kumar Singh, Executive Head, Ashraya Consulting Engineers; and Er H N Somani, Professional Architectural Engineer, Interior Designer & Government Registered Valuer were felicitated as Eminent Engineering Personalities for their significant contributions to the field of Architectural Engineering. Er D G Patil, the programme convener, briefed the audience about the theme, and Prof A N Gedam, the co-convener and Organising Secretary, delivered the opening remarks. Er Vipin Munot, Honorary Secretary of the Pune Local Centre, proposed the vote of thanks.

The inaugural session was followed by T S Narayana Rao Memorial Lecture, delivered by Er Kiran S Kalamdani, Architect - Urban Designer - Conservation Architect, Partner, Kimaya Architects Urban Designers, Conservationist, Valuer, Interior Designer, and Consortium Member - Pilgrimage Development Group (PDG) on the topic 'Conservation of Architectural Heritage'. In his lecture, Er Kalamdani shared his experience about the conservation of the reputed heritage structures, advents of arts and historical research, challenges in restoration and conservation and so on.

During the first technical session, Dr S P Anchuri from Hyderabad delivered a Keynote address on 'Regenerative Architectural Engineering and Design of Buildings.' He emphasized the importance of green architecture and sustainable building ecosystems, and further discussed regenerative design and biophilic design. Dr Amarnath C B delivered a lecture on 'Standardizing BIM Implementation in Indian Infrastructure Projects,' explaining the benefits of Building Information Modeling (BIM) in the Architecture, Engineering,



Construction, and Operation (AECO) industry. The lecture covered BIM implementation in residential and commercial projects and outlined a strategic roadmap for developing BIM guidelines.

Other presentations included Er Purushottam P Doijode, Joint Director (Arch), Military Engineer Services, Gandhinagar, who spoke about 'Analyzing Smart City vis-a-vis Smart Building Case Studies Comprehending Sustainable Smart Developments.' Dr D M Kudale, Former Additional Director, CWQPRS, Pune, presented a paper on 'Coastal Developments,' focusing on constructions in disaster-prone areas, coastal zone management, and coastal ecology. Lt Col Rahul Kumar delivered a presentation on 'Concept of Thermal Bridge in Building Construction,' highlighting energy-efficient buildings and the application of thermal bridge concepts in heating and cooling. Er Sameer Bapat from M/s Outinord Formwork Systems provided customized solutions for standardized projects. Er Visakha R Natekar delivered a presentation on 'Construction Planning for the Next Generation of Rural Coastal India,' and Er Suresh Babu, Founder and Principal of Suresh Babu & Partners, discussed the 'Changing Roles of Architects and Architectural Engineers.'

During the second technical session, Prof Anita Benniger, Director of ESDS, Mumbai, delivered a Keynote lecture on 'Affordable Slum Rehabilitation.' She elaborated on case studies of slum rehabilitation in Dharavi slum, Mumbai, Shirole Vasti, Pune, and other locations. M/s Wienerberger delivered a presentation on 'Smart Bricks,' and Dr Arundhati Wategave, Principal of

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Air Quality Monitoring and Analysis: Challenges and Research Gaps

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is believed to reveal the hidden relationships between primary/secondary pollutants and source/meteorological parameters/variables. Researchers are interested in employing advanced modeling approaches that incorporate chemical/physical relevance, as well as data-driven/data mining/AI-based frameworks to explore these relationships and predict future outcomes. However, all modeling approaches come with a certain level of uncertainty, which affects the reliability of the model's visualization. The speaker further explained that handling uncertainty in model development depends on the sequential process followed by the modeler.

Dr J N Chary, Director of Health and Safety at Swan Environmental Private Limited, Hyderabad, delivered a presentation on 'Environmental and Industrial Hygiene Monitoring.' The speaker elaborated on emissions from urban environments and industrial or agricultural operations. Power generation was emphasized as a focal point for preventing hazardous pollutants from posing health risks to the population. The deliberation revealed that emission monitoring is crucial not only for protecting the environment but also for ensuring the safety and compliance of industrial emissions. The implementation of a Continuous Emission Monitoring System (CEMS) is

important for meeting environmental regulations, reducing exposure to on-site personnel and nearby communities. The speaker also highlighted the importance of gas emission and particulate monitoring for improving operations, reducing operating costs, complying with EPA emissions regulations, and meeting OSHA regulations for employee health and plant safety.

Dr A Gandhimathi, Associate Professor in the Department of Civil Engineering at Kumaraguru College of Technology, Coimbatore, delivered a lecture on 'Prediction of Air Pollution using Machine Learning Techniques.' The speaker conducted a survey that indicated high levels of PM 2.5 at the construction site in the Thudiyalur area and the Foundry Industrial Zone. High levels of NOx were observed in City Hall and Goundam Palayam due to traffic congestion. The aim of this analysis was to study the concentration of air pollutants in the ambient air at different locations near industries and throughout the city of Coimbatore.

Additionally, technical papers were presented on topics such as 'Low-Cost Sensor (LCS) Indoor Air Quality Module for Particulate Matter Monitoring: Variable Dependent Analysis' and 'Machine Learning Algorithms in Ambient Air Quality Prediction.'

Modern Trends in Architectural Engineering and Construction Practices

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Architecture College, Sangli, Maharashtra, delivered a Keynote lecture on 'Sustainable Urbanism.' The session also included paper presentations on topics such as 'Smart Home,' 'Zero Energy Building,' 'Time and Motion Study of Labor,' and 'Artificial Intelligence in the Construction Industry.'

In the third technical session, Prof (Dr) Smita Suryavanshi from the Department of Architecture, Singhad College of Architecture, delivered a keynote lecture on 'Digital, Parametric, and Futuristic Architecture.' She discussed digital and parametric architecture, architectural aesthetics and functionality, adaptive and contextual design, economically viable design, alternative design solutions, design through biomimicry, generative architecture, and more. Ms Dhanashree Sardeshpande, Associate Professor at Dr B N College of Architecture, Pune, delivered a keynote address on the topic 'Digital Paradigm in Architecture - Disruptions and the Way Ahead.' Her address covered the evolution of digital architecture, the application of computational geometry, form finding through optimization, integrated computation design, core concrete technology, precise project monitoring with Global Navigation Satellite System (GNSS), digital optimization, form finding loop, and other related aspects.

Other presentations included a paper by Er Mahesh Mokha, Managing Director of Mokha Financial and Industrial Consultants (P) Limited, on 'Geodesic Geometry - through a Case Study.' Er Purushottam P Doijode also delivered a presentation on 'Exploring the Role of Women Architects, Designers, and Engineers in Construction Realizing Sustainable Development across India.' Shri Ajay Kumar, Director of Aayka Waterproofers Private Limited, presented on waterproofing products.

During the fourth technical session, Er Pranoti Sharma from Ms Sprout delivered a Keynote address on the topic 'Green Buildings and Sustainability.' She discussed the influence of the built environment on environmental sustainability. Er R C Sharma, Former Director of Delhi Fire Service, delivered a lecture on the topic 'Role of Engineers and Architects in Fire Safety,' focusing on fire safety norms and awareness. Dr M N Kumbhare, a medical practitioner, delivered a lecture on 'Rainwater Harvesting.' Er Purushottam P Doijode presented on the topic 'Current Trends of Innovative Eco-friendly Materials & Management Technologies.'

In the fifth technical session, Er Nitin Lale, a structural consultant, delivered a Keynote lecture on 'Pre Engineered Buildings.' He explained various building information parameters, such as soil strata, structural geometry & coordinate system, load combinations & analysis, and more. Er Mukund Toke, a specialist in electrical planning, delivered a keynote lecture on 'Smart Building and Electrical Planning.' Er Toke covered topics like smart lighting, digital addressable lighting interface (DALI), the evolution of video surveillance, access control systems, fire alarm and intruder alarm systems, sustainable plumbing, and more. Er R C Sharma also presented a lecture on the topic 'Emergence of an Integrated Approach to Building Design.'

A panel discussion was organized during the event, with panelists including Dr D M More, Former Secretary of the Government of Maharashtra, Er R V Saraf, an environmentalist, Er Subhadra More, and Er Neeraj Gadgil from Maha Metro, Pune. Additionally, a technical exhibition was held on the occasion.

During the valedictory function, Er Danesh Swami, IES, Garrison Engineer Air Force, Lohegaon, Pune, graced the event as the Chief Guest. The session was presided over by Dr Sanjay Bhaskar Zope, Chairman of Pune Local Centre, IEI. Prof A N Gedam, the co-convenor of the event, was also present. Er Vipin Munot proposed the vote of thanks. The program witnessed significant participation from delegates representing the industry and academia. Students also actively participated by presenting papers and engaging with professionals.

The recommendations emerged from the deliberation are as follows:

Augmentation of urban rapid transit system like Metro is the need of the hour for effective and accessible transportation. Water conservation systems, such as rainwater harvesting, should be encouraged to meet the city's water demand. Frequent release of sewage in river water to reduce the river pollution be discouraged. Inadequate infrastructural facilities in urban areas with increased population and designing an appropriate remedial roadmap be properly addressed. Addressing and monitoring increased air, water, and noise pollution in urban areas be provided on urgent basis. Designing suitable remedial measures and preparing guidelines to reduce pollution be prioritized.

From the President's Desk.....

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Science journals explicitly state that AI, including ChatGPT, cannot be listed as authors, and the use of AI-generated text without proper citation is considered plagiarism.

While global publishers may not accept ChatGPT and similar tools as authors in research, researchers can still leverage AI tools to enhance their work in other meaningful ways. However, this prompts us to reevaluate the concept of authorship in research and drive improvements within the academic community.

This evolving landscape of AI writing tools calls for researchers to consider the future implications. Thoughtful discussions and exploration of responsible research practices are necessary to better understand and utilize AI writing tools. By embracing technological advancements with caution and wisdom, we can ensure a future that harnesses the power of AI while upholding the integrity and accountability vital to the research community.

As we navigate this changing landscape, it is crucial for the research community to seize this opportunity. Engaging in meaningful conversations and seeking avenues for improvement will enable us to make informed decisions regarding the utilization of AI writing tools. By doing so, we can pave the way for a future that embraces the benefits of AI while preserving the integrity of research.

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strengthen ties between the two institutions and facilitate greater collaboration in engineering education, research, and professional development. The delegation also had productive conversations with the office-bearers of IEB Secretariat, exploring opportunities to rejuvenate the Federation of Engineering Institutions of South and Central Asia (FEISCA) for enhanced regional cooperation.

The 60th Annual Convention of IEB served as a platform to foster international cooperation, promote innovation, and bridge the gap between academia and industry in Bangladesh. It successfully provided a platform for engineers and professionals to network, share expertise, and collectively address the challenges and opportunities arising from the 4th Industrial Revolution. The Convention showcased the commitment of IEB and IEI to advancing engineering practices and leveraging technology for sustainable development, ensuring a prosperous future for both Bangladesh and India.

The IEI delegation returned on May 16, 2023, concluding their visit to Bangladesh.

WFEO 2023 Awards – Call for Nominations

The WFEO Secretariat is pleased to advise you that the call for nominations is now open for:

- **The 2023 WFEO - GREE Women in Engineering Award**
- **The 2023 WFEO Medal for Excellence in Engineering Education**
- **The 2023 WFEO - CCC H. J. Sabbagh Prize for Excellence in Engineering Construction**

You will find attached the combined presentation and nomination forms for each of the above mentioned Awards can be downloaded at <http://www.wfeo.org/awards>.

The awards are open for nominations by any institution, however nominations sent or supported by WFEO member organizations will be highly regarded.

For all three awards, please note that the deadline for nominating for any of those awards is **31 August 2023**.

Nominations are to be sent only at wfeo-awards@wfeo.org.

The Laureates will be announced at the forthcoming WFEO World Engineers' Convention and General Assembly meetings in **Prague, 9-15 October 2023**.

The WFEO Secretariat may be contacted at secretariat@wfeo.org for any queries.

Know-Your- Member (KYM)

The Institution of Engineers (India) is updating the database of all its Corporate Members along with their achievements for which a Know-Your-Member (KYM) form has been introduced.

Every Corporate Member is requested to kindly fill up the form and forward it along with the self-attested copy of photo ID proof to the address given below:-

The Director (Membership)

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

The form is available in IEI Website:

https://www.ieindia.org/WebUI/ajax/Downloads/WebUI_PDF/HIGHLIGHTS_DOCUMENT-3332.pdf

IEI Celebrates World Telecommunication and Information Society Day

2023

Theme: Empower the Least Developed Countries through Information and Communication Technologies

World Telecommunication and Information Society Day was celebrated by the Centres of the Institution all over the country on May 17, 2023. Brief Accounts of celebrations as received from various Centres are given hereunder.

STATE CENTRES

Jammu & Kashmir

Jammu & Kashmir State Centre, IEI, in association with Government College of Engineering & Technology, Safapora, Ganderbal, and SSM College of Engineering, Parihaspora Pattan, observed World Telecommunication and Information Society Day on 17 May 2023 on line. The event witnessed the presence of Er Masharib Gul Mufti, General Manager, BSNL, as the Chief Guest, who emphasized the significance of collaboration between industry and academia in leveraging ICT for empowering nations. Dr Nissar Ahmad, HoD, Computer Science & Engineering Department, Government College of Engineering & Technology, Safapora, Ganderbal, delivered an impactful Keynote speech during the event. His insights shed light on the transformative power of information and communication technologies in driving sustainable development and uplifting the socio-economic conditions of the least developed countries. Dr Raof Ahmad Khan, Chairman, Jammu & Kashmir State Centre, IEI, delivered a warm welcome address, expressing gratitude to the speakers, attendees, and Organizing Committee for their valuable contributions in ensuring the success of the webinar. The seamless execution of the event was expertly coordinated by Er Ferdous Ahad Bhat, Honorary Secretary, Jammu & Kashmir State Centre, IEI. The webinar served as a platform for knowledge sharing and the exchange of ideas, with a specific focus on how ICT can empower the least developed countries. It highlighted the critical role played by engineering and technology professionals in collaboration with academic institutions and industry leaders in driving innovation and sustainable development. The discussions underscored the transformative power of information and communication technologies in bridging the digital divide and empowering nations.

Puducherry

Puducherry State Centre, IEI, in collaboration with the Department of Electronics Engineering, Pondicherry University (A Central University), observed World Telecommunication and Information Society Day on 17 May 2023 online. Distinguished guests and speakers shared valuable insights on empowering rural communities through Information and Communication Technologies (ICT). Dr V Saminadan, Professor and Head of the Department of Electronics and Communication at Puducherry Technological University, delivered an enlightening lecture on 'Empowering the Rural through ICT'. Dr T Chithralekha, Professor and Dean of the School of Engineering, Pondicherry University, also addressed the audience, providing her perspectives. Prof (Dr) B Radraram, Chairman of Puducherry State Centre, IEI, delivered a warm welcome address, while Dr S Thirougnaname, Honorary Secretary of Puducherry State Centre, IEI, shared a meaningful speech, contributing to the insightful discussions. The event served as a platform for knowledge exchange and emphasized the transformative potential of ICT in rural empowerment.

Tripura

Tripura State Centre, IEI, in collaboration with Bharat Sanchar Nigam Ltd (BSNL), organized a commemoration of World Telecommunication and Information Society Day on 17 May 2023 in Agartala. Distinguished guests and speakers shared their insights on the evolution of telecommunication and the significance of Information and Communication Technologies (ICTs) in India. Er Rajesh Kumar Soni, Deputy Director General of Tripura, Ministry of Communication, Government of India, graced the event as the Guest of Honour. He discussed the licensing framework, the initial development phases in the telecom sector, and

the generation of new technologies. Er Ravi Prakash Saxena, General Manager



(I/C), BSNL, Tripura, joined as the Special Guest and Keynote Speaker, focusing on ICT in the context of the 'Make in India' concept. He highlighted initiatives aimed at boosting telecom manufacturing, promoting exports, and expanding digital

public infrastructure to support the growth of the IT sector. Dr B K Upadhyaya, Professor of Electronics & Communication Engineering and Dean (Academic) at Tripura Institute of Technology, under Department of Higher Education, Government of Tripura, provided valuable insights into the basics of ICT and its major application areas, particularly in least developed countries (LDCs). He also discussed potential solutions for bridging the digital gap. Dr Subhadeep Bhattacharjee, Chairman of Tripura State Centre, IEI, presided over the program, while Er Bikash Sarkar, Deputy General Manager, BSNL, Agartala, delivered the welcome address. Dr Mrinal Kanti Deb Barma, Honorary Secretary of Tripura State Centre, IEI, concluded the event with a vote of thanks.

LOCAL CENTRES

Bareilly

The Bareilly Local Centre, IEI, celebrated World Telecommunication and Information Society Day on 17 May 2023 in Bareilly. The event commenced with



a warm welcome address by Er Raj Goel, Chairman of Bareilly Local Centre, IEI. Er K B Agarwal, Past Chairman of Bareilly Local Centre, IEI, delivered a talk on digital literacy, emphasizing

the importance of promoting digital skills. Er Sudhir Gupta, Immediate Past Chairman of Bareilly Local Centre, IEI, highlighted the profound and wide-ranging impact of connectivity. The vote of thanks was proposed by Er Pradeep Kumar Madhwar, Honorary Secretary of Bareilly Local Centre, IEI.

Bathinda

Bathinda Local Centre, IEI in association with Yadavindra College of Engineering, Punjabi University, Guru Kashi Campus, Talwandi Sabo observed World Telecommunication and Information Society Day on 17 May 2023. Prof (Dr) Jagtar Singh, Chairman, Bathinda Local Centre, IEI welcomed the Chief Guest, Er Manoj Kumar Bhateja, DGM-BSNL, Bathinda, the dignitaries present on the occasion and the participants. Er Bhateja explained application of ICT,



LDCs in improvement of the education system, healthcare services, promotion of e-commerce & development of new industries. Special Guest of the event, Dr Jasbir Singh Hundal, Director,

Punjabi University, Guru Kashmi Campus, Damdama Sahib, Talwandi Sabo explained, how Information and Communication Technologies (ICTs) are

changing the way people communicate, learn and do business. Speaker of the session, The e-edition is available at www.ieindia.org June 2023 Old Volume 73 8 Dr Manpreet Kaur, Assistant Professor, Electronics and Communication Engineering Department, Yadavindra College of Engineering, Talwandi Sabo elaborated on the efforts being made to empower least developed countries through information and communication technologies. Dr Harsimran Singh, Honorary Joint Secretary, Bathinda Local Centre, IEI proposed the vote of thanks.

Bhilai

The Local Centre, IEI, in collaboration with the Telecomm Department of Bhilai Steel Plant and Arvind Telecom Limited, observed World Telecommunication and Information Society Day on 17 May 2023 in Bhilai. The event began with



a warm welcome address by Er Pradeep Kumar Tiwari, Chairman of Bhilai Local Centre, IEI, who highlighted the importance of the internet in our daily lives and its role in improving our lives during the pandemic and post-COVID

situation. The session's Chief Guest, Er P K Sarkar, CGM, I/c Services, Bhilai Steel Plant, discussed the contrast between simple and complex technologies. The Guest of Honour, Er Prakash, Acting CGM (Elect) & GM (Telecom) of Bhilai Steel Plant, spoke about the Ministry of Telecommunication's mandate to make 5G connections a necessary condition for implementing Industry 4.0. He emphasized that the fourth-generation industrial upgrade requires maximum utilization of the internet. During the event, the speakers shared their insights on various topics. Dr Sanklap Rai, Sub Inspector, Incharge Technical & Emergency Services (dial 112), CG Police, Bhilai, discussed the role of communication systems in police services and the importance of social media platforms in solving crimes and forgery cases. Mr Pankaj Rai, Manager, Telecom, Bhilai Steel Plant, provided an overview of the changes occurring in the telecommunication industry and society. Mr Atanu Roy, Executive, Customer Support, Arvind Telecom Limited, briefly explained common traps and their remedies. Dr Nagendra Tripathi, Honorary Secretary of Bhilai Local Centre, IEI, also addressed the audience, adding further insights to the discussions. The event served as a platform for knowledge sharing and discussion on the advancements and challenges in the field of telecommunication and information society.

Bhimavaram

The Bhimavaram Local Centre, IEI, in collaboration with the Department of Electronics and Communication Engineering at S R K R Engineering College, Bhimavaram, observed World Telecommunication and Information Society Day on 17 May 2023 through online mode. The event witnessed the presence of esteemed Chief Guest, Dr G Naveen Kumar, Sub Divisional Engineer, CN Tx-South, BSNL, Rajahmundry, who highlighted the transformative impact of ICT on the socio-economic development of least developing countries. The event commenced with a warm welcome extended by Er Karanam Suresh Babu, Chairman of Bhimavaram Local Centre, IEI, to the Chief Guest and participants of the webinar. Prof Nookala Gopala Krishna Murthy, Honorary Secretary of Bhimavaram Local Centre, IEI, expressed his gratitude and proposed the vote of thanks at the end of the insightful webinar.

Dhanbad

Dhanbad Local Centre, IEI, commemorated World Telecommunication and Information Society Day on 19 May 2023 in Dhanbad. The event witnessed the active participation of esteemed guests, professors, and students. Prof (Dr) Biswajit Paul, Honorary Secretary of Dhanbad Local Centre, IEI, and



Professor of Environmental Science & Engineering at IIT ISM Dhanbad, warmly welcomed the Chief Guest, Dr P K Singh, HoD of the Department of Environmental Science & Engineering at IIT ISM Dhanbad, the Keynote Speaker, Prof Debjani Mitra

from the Department of Electronics Engineering at IIT ISM Dhanbad, guests,

dignitaries and participants. Prof Paul introduced the theme of the day, setting the stage for engaging discussions. The event was graced by the presence of Dr M K Chandra, Past Honorary Secretary, Er Sanjay Kumar Singh, Project Officer at BCCL, and Corporate Members of IEI, who actively participated in the function. In her thematic lecture, Prof Mitra highlighted the crucial role of information and communication in the development of countries. Prof (Dr) Biswajit Paul concluded the event with a vote of thanks, expressing gratitude to all the participants and attendees for their valuable contributions.

Faridabad

Faridabad Local Centre, IEI, celebrated World Telecommunication and Information Society Day on 17 May 2023 through an engaging online event. The event featured an expert speaker, Dr Yogendra Kumar Awasthi, a distinguished Professor from the Department of Electronics & Communication Engineering at MRIIRS, Faridabad. Dr Awasthi's insightful address centered around the empowerment of least developed countries through ICT. He emphasized the importance of enhancing ICT infrastructure by improving access to affordable and reliable internet connectivity. He also highlighted the significance of developing digital skills, implementing e-government services for transparency and efficiency, fostering e-commerce and digital entrepreneurship, leveraging ICTs for quality healthcare and education, promoting innovation and research, and nurturing international cooperation and partnerships among least developed countries. The event commenced with a welcome address by Er Kuldip Raj Gupta, Chairman of Faridabad Local Centre, IEI. He set the tone for the event, highlighting its significance and the importance of the theme. The vote of thanks was delivered by Er Inderdeep Singh, Honorary Secretary of Faridabad Local Centre, IEI, expressing gratitude to all the participants and attendees for their active involvement in the event.

Gorakhpur

Gorakhpur Local Centre, IEI, in collaboration with N E Railway, Signal Department, Gorakhpur, Uttar Pradesh, observed World Telecommunication and Information Society Day on 17 May 2023 at the Signal Department of N E Railway in Gorakhpur. The event commenced with a warm welcome from Er Pawan Kumar Mishra, Chairman of Gorakhpur Local Centre, IEI. He extended a heartfelt welcome to the esteemed Chief Guest, Er P K Rai, Chief Communication Engineer of N E Railway, Gorakhpur, as well as the Guests of Honour, Er J B Rai, President of Malviya Alumni Association (MAA), Prof Rakesh Kumar from the Department of Computer Science & Engineering at M M M University of Technology Gorakhpur, Dr Arvind Kumar Pandey, Director of Buddha Institute of



Technology, Gorakhpur, and Er R S Tripathi, Former Deputy CSTE of N E Railway, Gorakhpur. Er P K Rai shared his insights on the positive impacts of improved access to education, job opportunities, and better healthcare facilitated by

communication and information technology. He also discussed the challenges faced by least developed countries in developing communication infrastructure and emphasized the need for digital strategies tailored to their specific needs. Er Pawan Kumar Mishra highlighted the role of United Nations and other organizations in uplifting the quality of life in least developed countries, including the enhancement of communication and information facilities. Er R S Tripathi shed light on the potential developments in Indian Railways in the field of signaling and communication. Dr Arvind Kumar Pandey emphasized the importance of bridging the digital divide, while Er J B Rai discussed the remarkable progress India has achieved in the field of telecommunications. The Keynote speaker, Er M P Kandoi, Former Chief Engineer of the Department of Irrigation, UP, emphasized the role of a well-planned digital government strategy in providing efficient and accessible government services. He also highlighted how competition within the telecom sector can enhance efficiency and accessibility. Prof Rakesh Kumar delivered a thought-provoking speech on edge computing, addressing the challenges and opportunities in India and developing countries. The event concluded with a vote of thanks proposed by Er Ramesh Chandra Pandey, Honorary Secretary of Gorakhpur Local Centre, IEI, expressing gratitude to all the participants, guests, and attendees for their valuable contributions and active participation in the event.

Gwalior

Gwalior Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2023 in Gwalior. The event featured esteemed speakers, including Er Hariom Shivhare, Sub Divisional Engineer at BSNL, Gwalior; Dr Vandana Vikas Thakare, Associate Professor in the Department of Electronics Engineering (DoEE) at Madhav Institute of Technology & Science (MITS), Gwalior; and Dr Pramod Kumar Singhal, Professor in DoEE at MITS and Chairman of IETE, Bhopal State Centre. In his Keynote speech, Er Hariom Shivhare



explained the significance of the day in raising awareness about internet usage and information and communication technologies (ICTs), as well as bridging the digital divide. He highlighted the efforts of the International

Telecommunication Union (ITU) and its Partner 2 Digital Coalition, which invited public and private sectors to make pledges for universal connectivity and digital transformation in developing countries. Dr Vandana Vikas Thakare emphasized the historical importance of the day as it marks the anniversary of the signing of the first International Telegraph Convention and the establishment of the ITU. Dr Singhal focused on the advancements in networking, emphasizing high speed, superior reliability, and negligible latency. He showcased how the new generation of technology will impact various industries, including transportation, healthcare, agriculture, and logistics. Er Prabhat Kumar Bhargava, Past Chairman of Gwalior Local Centre, IEI, summarized the discussions and deliberations of the event. Earlier, Er Radha Kishan Khetan, Chairman of Gwalior Local Centre, IEI, welcomed all participants, and Dr (Ms) Sulochana Wadhwani, Honorary Secretary of Gwalior Local Centre, IEI, expressed gratitude and proposed the vote of thanks at the conclusion of the event.

Jammu

Jammu Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2023 in Jammu. Mr Adarsh Verma, Chief Operating Officer of Bharti Airtel Limited, Jammu & Kashmir, was the Chief Guest. He emphasized the efforts made by corporations to bridge the digital divide and provide digital connectivity to all. Prof (Dr) Ms Bhawna Sharma, Chairman of Jammu Local Centre, IEI, presided over the event and delivered the welcome address. Er Sachin Tickoo, Honorary Secretary, proposed the vote of thanks.

Jodhpur

Jodhpur Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2023 in Jodhpur. The Keynote



speakers for the event were Er Pankaj Bhandari, General Manager Zonal (Bharat Net), Rajasthan, and Er R K Prajapat, Sub-Divisional Engineer, Bharat Sanchar Nigam Limited, Jodhpur. Dr

Ghanshyam Prasad Vaishnav, the program coordinator, introduced the theme and the Keynote speakers. Mr Pankaj Bhandari highlighted how information communication technologies can reduce poverty, improve access to essential services, and create new opportunities for the underprivileged. Er R K Prajapat emphasized the role of information communication technologies in national development, including education, transportation, and healthcare. Er M M Agarwal, Chairman of Jodhpur Local Centre, IEI, delivered the welcome address, and Er Resham Ram Hooda, Honorary Secretary, proposed the vote of thanks at the end of the event.

North Bengal



North Bengal Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2023 through a table discussion held in Jalpaiguri. Er Chinmoy Ghosh, Honorary

Secretary of North Bengal Local Centre, IEI, delivered the welcome address, highlighting the significance of communication and information technology in promoting global social and economic development. He emphasized the importance of ensuring universal access to reliable and affordable communication services. During the discussion, Er P K Saha, Professor at the Department of Electrical Engineering, Jalpaiguri Government Engineering College, focused on the new policies of Production Linked Incentive (PLI) and incentives for research and development (R&D). He mentioned India's progress



in providing 4G, 5G, and future 6G networks, predicting that India will become a global supplier of telecom equipment by 2030. He also discussed the growing number of mobile phone users and the market growth opportunities for telecom equipment manufacturers and

service providers due to the technological shift towards 5G. Er U K Mondal, Er Nimai Mukhopadhyay, Er Subrata Bhattacharya, Mrs Jhuma Dutta, Er Sumon Koner, and Er Animesh Hazra actively participated in the discussion, sharing their perspectives. At the conclusion of the discussion, Er Chinmoy Ghosh proposed the vote of thanks.

Rourkela

Rourkela Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2023 in hybrid mode in Rourkela. Dr Anil Kumar Barik, Joint Honorary Secretary of Rourkela Local Centre, IEI, welcomed the members and guests, and spoke about the theme of the event. He also provided a brief introduction of the session's speaker, Dr Situ Rani Patre, Assistant Professor



at the Department of Electronics & Communication Engineering, National Institute of Technology Rourkela. Dr Situ Rani Patre delivered a lecture on the topic 'Impact of Telecommunication Technologies: A Special Attention to Antennas for

Wireless Communication.' She discussed the principles of telecommunication, wireless technologies, and antennas, providing valuable insights into the field. At the conclusion of the event, Dr A K Barik, Joint Honorary Secretary of Rourkela Local Centre, IEI, expressed his gratitude and proposed the vote of thanks.

Upper Assam

Upper Assam Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2023 with a seminar organized on the theme. The event welcomed esteemed guests and professionals from various organizations. Er SP Dutta, General Manager of NEC, Coal India Limited, Margherita, graced the occasion as the Chief Guest, while Er Dibakar Bhattacharjee, Ex-GM of IOCL, was the Guest of Honour. Notable attendees included Er Ramesh Ch Das, Past Honorary Secretary of Upper Assam Local Centre, IEI & GM (MSO-Mine) of OIL, Duliajan; Er Rajendra Singha, DGM (IT) of OIL, Duliajan; and Er Debajeet Sarma, Honorary Secretary of Upper Assam Local Centre, IEI & AM (HSE) of Assam Gas Company Ltd, Duliajan. Er Bhairab Bhuyan, ED (ES) of Oil



India Limited, addressed the audience, sharing valuable insights. During the Technical Session, several experts presented their lectures. Er Debajeet Sarma spoke on 'E-Technology – An aid for Farmers,' Er Raunak

Barkakati delivered a presentation on 'Cloud-Based Wellhead Monitoring – A Step towards Well Optimization,' Er Diganta Kr Gogoi discussed the 'Evolution of 5G & Private 5G,' and Er Rakesh Kalita focused on 'Government Initiatives in Telecommunication.' At the conclusion of the event, Er Debajeet Sarma extended his gratitude and proposed the vote of thanks.

IEI Celebrates National Maritime Day 2023

05th April is celebrated every year in India as National Maritime Day to commemorate the maiden voyage of the first Indian owned commercial vessel SS Loyalty that set sail from Bombay (Mumbai) to London, on 05th April 1919. 'National Maritime Day commemorates our nation's entry into the international mercantile shipping community in 1919.

STATE CENTRES

Punjab & Chandigarh

Punjab & Chandigarh State Centre, IEI in association with The Institute of Marine Engineers (India), Chandigarh Chapter & Merchant Navy Officers Association, Chandigarh observed National Maritime Day 2023 on 05 April 2023 at Chandigarh through hybrid mode. Prof (Dr) T S Kamal, Former Vice President, IEI was the Chief Guest and Er Rakesh Mittal, Chief Engineer (Marine), Founding Member & Ex. President MNOA, Chandigarh was the Guest of Honour. Dr Labh Singh Bhari, Chairman, Punjab & Chandigarh State Centre, IEI welcomed the dignitaries and other participants. Er Arun Kumar Agarwal, Chairman, IMEI Chandigarh Chapter, Convener in his introductory remarks explained the importance of this day.. Er Rakesh Mittal discussed on the percentage of world's cargo being carried by Indian ships along with the total tonnage of India fleet. He familiarized the members with the demand of Indian seafarers across the world, who are well known for their skills, hard work and dedication. Mr Ajit Singh Mehndiratta, Former President of the Merchant Navy Officers Association delivered the Keynote Address and spoke about the importance of the day. of the first Indian flag vessel to London in 1919 till the scrapping vessel in 1923. Cdr Dr Bhaskar M Bhandarkar, Chairman, Marine Engineering Division Board, IEI attended the event through online and address the audience. Er Swinder Singh, Honorary Secretary, Honorary Secretary, Punjab & Chandigarh State Centre, IEI proposed the vote of thanks.



Tamilnadu

The Tamilnadu State Centre, IEI, in collaboration with Hindustan Institute of Maritime Training (HIMT), observed National Maritime Day 2023 on 15 April 2023 in HIMT Campus, Kalpakkam. The event commenced with a Guard of Honour, followed by a visit to the entire ship in the campus training facility, labs, and VR labs. Capt Subramanian Anand, Convener and Principal of HIMT College, Kalpakkam, delivered the opening remarks, setting the tone for the event. Er S Kannan, Chairman of Tamilnadu State Centre, IEI, extended a warm welcome to all attendees. Er Sanjeev S Vakil, CEO of HIMT, also addressed the gathering, sharing his insights. The event was graced by the presence of Er I M Rao, Senior Marine Engineer, Past Honorary Secretary



of Tamilnadu State Centre, IEI, IMEI, Chennai Branch, and Past President of IMEI, as the Chief Guest. Dr (Capt) S Bhardwaj, Resident Director of MASSA Maritime Academy, Chennai, honored the occasion as the Guest of Honour. Er S Rangaraju, Co-Convener and Committee Member of Tamilnadu State Centre, IEI, expressed gratitude and proposed the vote of thanks at the conclusion of the event.

Telangana

Telangana State Centre, IEI, celebrated the Diamond Jubilee of National Maritime Day 2023 on 5 April 2023. The event, held online, focused on the theme 'Amritkaal - India's Maritime Target in the 5 trillion Economy.' Cdr Dr Bhaskar M Bhandarkar, Chairman of the Marine Engineering Division Board, IEI, graced the occasion as the Chief Guest. Er N V Ramana, Director of Marine Carparx Private Limited, delivered a lecture on the topic. Er B Brahma Reddy, Chairman of Telangana State Centre, IEI, delivered the welcome address. The event was organized by Er S Suryanarayana, Committee Member of Telangana State Centre, IEI. Dr G Venkata Subbaiah, Honorary Secretary of Telangana State Centre, IEI, proposed the vote of thanks.

Uttar Pradesh

Uttar Pradesh State Centre, IEI celebrated National Maritime Day 2023 on 5 April 2023 in Lucknow. The event focused on the topic 'Amrit Kaal in Shipping.' The Chief Guest of the event was Er Mayank Seth, Chief Engineer



at Anglo Eastern Ship Management, Hong Kong. In his address, he highlighted the importance of sustainable efforts in the development of shipping, with India taking on additional responsibilities as part of the G20 Presidency.

He emphasized India's goals for green shipping and the Shipping Ministry's role in promoting gender equality in the maritime industry. He also emphasized the significance of the maritime sector in India's journey towards achieving a 5 Trillion \$ economy. The event began with a welcome address by Er Masarrat Noor Khan, Chairman of Uttar Pradesh State Centre, IEI, and was graced by the presence of Er V B Singh, Former Vice President of IEI. Dr Jaswant Singh, Honorary Secretary of Uttar Pradesh State Centre, IEI, concluded the event with a vote of thanks.

Uttarakhand

Uttarakhand State Centre, IEI celebrated National Maritime Day 2023 on 5 April 2023 in Dehradun. The event focused on the theme 'Amrit Kaal in Shipping' and aimed to recognize India's significant contribution to the maritime industry and its rich maritime heritage. It served as an opportunity to express gratitude to the sailors who play a crucial role in ensuring the

smooth functioning of the industry. The programme was inaugurated by the Chief Guest, Er Narendra Singh, Past President of IEI. Er Praneet Mehta, Founder of Merchant Navy Decoded & JMDi, was the Guest of Honour and Theme Speaker, sharing insights on the topic. Er Amit Kumar Singh, Executive



Committee Member of Marine Engineering Division & Marketing Manager at Blue Water Trade Wind Private Limited, also addressed the audience on the maritime industry. The event commenced with a warm welcome by Er Dharm Chandra, Chairman of Uttarakhand State Centre, IEI, and concluded with a vote of thanks by Er Satish Chand Chauhan, Honorary Secretary of Uttarakhand State Centre, IEI.

West Bengal

West Bengal State Centre, IEI commemorated National Maritime Day 2023 on 5 April 2023 in Kolkata. The day holds special significance as it recognizes and expresses gratitude to the men who dedicate months at sea, facilitating India's extensive trade and commerce on a global scale. Dr Nirmal Das, Chairman of West Bengal State Centre, IEI, delivered a warm welcome address, setting the tone for the event. Er Gautam Sen, Chairman of the Marine Engineering Divisional Sub-Committee, West Bengal State Centre, IEI, shed light on the importance of the day and its relevance to the



maritime industry. Er Shanti Ranjan Pal, Convenor of the Marine Engineering Divisional Sub-Committee, West Bengal State Centre, IEI, introduced the esteemed speaker, Er Swapan Kumar Saha, Former Chief Engineer

in the Merchant Navy and an academician. Er Saha emphasized the historical significance of 5 April 1919, when the SS Loyalty embarked on its maiden journey from Bombay to the United Kingdom under the Swadeshi Flag, symbolizing India's entry into the shipping industry. He also highlighted the British control over seas and sea routes during that period. The National Maritime Day was first celebrated in 1964 and has since become an annual event for Indian mariners. The vote of thanks was proposed by Dr Raju Basak, Honorary Secretary of West Bengal State Centre, IEI, expressing gratitude to all participants and contributors.

LOCAL CENTRES

Ghaziabad

Ghaziabad Local Centre, IEI observed National Maritime Day 2023 on 5 April 2023 in Ghaziabad. The event focused on the topic 'Amritkall - India's Maritime Target in the 5 Trillion Economy'. Dr S C Gupta, Former Honorary Secretary of Ghaziabad Local Centre, IEI, led the discussion on this subject, highlighting the significance of India's maritime aspirations in the context of its economic growth. The event welcomed Sanchar Ratna Dr M K Seth, ITS, Former CGM of ALTTC, BSNL, Ghaziabad, as the Guest of Honour and Keynote Speaker. Dr Seth shared valuable insights with the audience. Er Raghunandan Prasad Sharma, Chairman of Ghaziabad Local Centre and Council Member of IEI, extended a warm welcome to the dignitaries and participants. Er R R Tanwar, Council Member of IEI, introduced the Guest of Honour and Keynote Speaker, providing an overview of the institution's present



activities and future plans. Er Mukul Gupta, Convenor of the event, introduced Er Satyavir S Sharma, a former Chief Engineer in the Merchant Navy, who emphasized the role of

engineers in achieving India's maritime goals and their contributions to the relevant fields. Er Ashok Kumar, Honorary Secretary of Ghaziabad Local Centre, IEI, concluded the event by delivering the vote of thanks, expressing gratitude to all attendees.

Madurai

Madurai Local Centre, IEI commemorated National Maritime Day 2023 on 8 April in Madurai, focusing on the theme 'Amrit Kaal in Shipping'. The esteemed Chief Guest for the event was Er M Rajmohan, Dean of R L Institute of Nautical Sciences in Madurai, who also served as a Former Chief Engineer of an LNG Carrier. Dr N Sivasubramanian, Chairman of Madurai Local Centre, IEI, delivered a warm welcome address to the attendees. Prof (Dr)

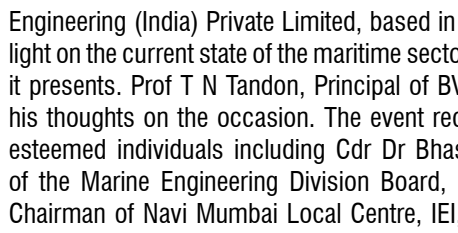


P Udhaya Kumar, Honorary Secretary of Madurai Local Centre, IEI, introduced the Chief Guest to the audience. During his address, Er Rajmohan highlighted the government's initiatives in providing fiscal and non-

fiscal incentives to promote the development, operation, and maintenance of ports, inland waterways, and shipbuilding in India. He emphasized the crucial role of India as a labor-intensive country in the field of seafaring. He further emphasized the need for technologically adept professional engineers who can navigate the challenges of the shipping industry and contribute to its growth. Prof (Dr) P Udhaya Kumar concluded the event by delivering a vote of thanks, expressing gratitude to all participants and guests.

Navi Mumbai

Navi Mumbai Local Centre, IEI, in collaboration with Bharati Vidyapeeth Institute of Technology, Navi Mumbai, marked the occasion of National Maritime Day 2023 on 7 April. The session featured an insightful Keynote address by Cdr Sharad Deval, Director of Seasyst



Engineering (India) Private Limited, based in Navi Mumbai. Cdr Deval shed light on the current state of the maritime sector and the various opportunities it presents. Prof T N Tandon, Principal of BVIT, Navi Mumbai, also shared his thoughts on the occasion. The event received valuable guidance from esteemed individuals including Cdr Dr Bhaskar M Bhandarkar, Chairman of the Marine Engineering Division Board, IEI, Er Kishanrao M Godbole, Chairman of Navi Mumbai Local Centre, IEI, Mr Sanjay Raghunath Bagul, Honorary Secretary of Navi Mumbai Local Centre, IEI, and Dr Samir Chandrakant Nimkar, Immediate Past Honorary Secretary of Navi Mumbai Local Centre, IEI. Their expertise ensured the smooth execution of the program.

Visakhapatnam

Visakhapatnam Local Centre, IEI, celebrated National Maritime Day 2023 on 5 April through in virtual mode. The session featured distinguished Guest Speaker, Er Voona Lakshmipati Rao, Former Marine Engineer, Visakhapatnam Port Trust, Andhra Pradesh. During his address, Er Voona Lakshmipati Rao, emphasized the significance of this day and highlighted its importance in India's navigation history. The function was presided over by Er Venkata Satya G Pakki, Chairman of Visakhapatnam Local Centre, IEI. Er Rapeti Nageswara Rao, Honorary Secretary of Visakhapatnam Local Centre, IEI, warmly welcomed the esteemed audience. Er D Bhujanaga Rao, Committee Member of Visakhapatnam Local Centre, IEI, introduced the Guest Speaker to the attendees, providing insight into his expertise and achievements. Dr Ch Sambasiva Rao, Committee Member of Visakhapatnam Local Centre, IEI, concluded the event by delivering a vote of thanks.

IEI Celebrates World Engineering Day for Sustainable Development 2023

Theme
**Engineering Innovation
for a more Resilient World**

World Engineering Day for Sustainable Development was celebrated by the Centres of the Institution all over the country on March 04, 2023. Brief accounts of the celebration as received from various Centres are reported hereunder.

STATE CENTRES

Andhra Pradesh

Andhra Pradesh State Centre, IEI, commemorated World Engineering Day for Sustainable Development 2023 on 4 March, 2023 at Vijayawada. The esteemed Speaker for the event was Er T Praveen Kumar, an Embedded System Architect from Robert BOSCH Engineering. During his address, Er T Praveen Kumar emphasized the pivotal role that engineers play in shaping the world for



both current and future generations. The Speaker delved deeper into the critical responsibilities of engineers in developing cutting-edge technologies for renewable energy, fostering a more circular and sustainable economy, and striving for a world that is fair and equitable for all. The session shed light on the significant contributions of engineers in advancing sustainable development goals. Dr C V Sriram, Immediate Past Honorary Secretary of Andhra Pradesh State Centre, IEI, provided valuable insights into the importance of civil engineering in driving sustainable development across India. As the event drew to a close, Dr C V Sriram expressed gratitude on behalf of the attendees and extended a vote of thanks.

Himachal Pradesh

Himachal Pradesh State Centre, IEI observed World Engineering Day on 4 March 2023 in Shimla. A seminar was organized on the theme 'Engineering Innovation for a more Resilient World'.



Er Vishwa Mohan Joshi, Chairman of Himachal Pradesh State Centre, IEI, presided over the program. Mr Pankaj Dadwal, Managing Director of HPSEB and Chairman of the National Skill Development Forum, IEI, was the Chief Guest. Dr Mohan Gupta, Senior Strategic Advisor for the US Federal Aviation Administration, USA, served as the Keynote Speaker. Guest speakers included Prof (Dr) Ravi K Goyal, Chairman of IIMM Jaipur and CEO of the Swiss Innovation Hub, Er Rakesh Thakur, Chief Engineer of HPSEB, and Shri Arun Rawant, Past Chairman of CII Himachal Pradesh and President of Baddi Barotiwala, Nalagarh (BBN) Industries Association. Er Vishwa Mohan Joshi highlighted the importance of sustainable development and the role of engineering in his welcome address. Er Pankaj Dadwal spoke about the genesis of World Engineering Day and emphasized the need to prioritize sustainability in all aspects of work. Dr Mohan Gupta delivered a virtual lecture on 'Sustainability Nexuses: Solutions and Management Framework for a Brighter and Healthy Future'. The valedictory session included an address by Dr H K Chaudhary, Vice Chancellor of CSK Agriculture University, Palampur. Er Jaswant Singh,

Honorary Secretary of Himachal Pradesh State Centre, IEI, proposed the vote of thanks.

Kerala

Kerala State Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2023 in association with Mar Baselios College of Engineering and Technology, Thiruvananthapuram. Prof K P Sudheer, Ex Officio Principal Secretary, Department of Science & Technology, Government of Kerala and Executive Vice President, Kerala State Council for Science, Technology and Environment was the Chief Guest & Speaker of the event and delivered lecture on the theme 'Engineering Innovation for a more Resilient World'. Er P Balakrishnan Nair, Committee Member, Mechanical engineering Division, Kerala State Centre, IEI spoke on the theme and introduced the Chief Guest & Speaker. Er Udaya Kumar K S, Past Honorary Secretary, Kerala State Centre, IEI also spoke on the occasion. Er Roy Mathew, Honorary Secretary, Kerala State Centre, IEI proposed the vote of thanks.



Madhya Pradesh

Madhya Pradesh State Centre, IEI, observed World Engineering Day for Sustainable Development 2023 on 4 March 2023 in Bhopal. The event was graced by Dr Manish Mudgal, Chief Scientist & Head of CSIR-AMPRI, Bhopal, as the Chief Guest,



and Dr Abhishek Choubey, Head of the Industry Institute Partnership Cell and Coordinator of IAQC, and Associate Professor in the Department of Mechanical Engineering, SISTEC-R, Bhopal, as the Guest of Honour. Dr Mukesh Kumar Mishra, Honorary Secretary of Madhya Pradesh State Centre, IEI, welcomed the dignitaries, committee members, participants, and students, and provided an overview of the theme for the day. Dr Abhishek Choubey delivered a presentation on electric vehicles (EVs), discussing their usefulness, advantages, challenges, environmental impact, and the global shift towards EVs for reduced carbon emissions. Dr Manish Mudgal discussed various sustainable technologies being developed at AMPRI, Bhopal, and highlighted the processes and advantages of using fly ash in road construction. Dr H L Tiwari, Committee Member of the host Centre, explained sustainable water management techniques and extended the vote of thanks, expressing appreciation to all the attendees.

West Bengal

West Bengal State Centre, IEI, observed World Engineering Day for Sustainable Development on 4 March 2023 in Kolkata. The event commenced



with a welcome address by Dr Nirmal Das, Chairman of West Bengal State Centre, IEI. Er Anirban Datta, Joint Honorary Secretary of West Bengal State Centre, IEI, introduced the esteemed speaker of the event, Prof (Dr) Bishaljit Paul, Head of

related to medicine, vocational education, clean water, digital transactions, road infrastructure, and more. Er Vijaykumar Hanamantappa Totiger, Chairman of Dharwad Local Centre, IEI, presided over and emphasized that World Engineering Day provides an opportunity for dialogue among engineers, decision-makers, industry leaders, scientists, NGOs, and the public to address the multidimensional aspects of sustainable infrastructure in the country. Er Sidlingappa Sangappa Kerur, Honorary Secretary of Dharwad Local Centre, IEI, expressed gratitude and proposed the vote of thanks, acknowledging all participants and contributors to the event.

Erode

Erode Local Centre, IEI, celebrated World Engineering Day for Sustainable Development 2023 on 4 March 2023 in Erode. The session's speaker, Dr M Srinivasan, Professor & Head of the Department of Electrical and Electronics Engineering at Navodaya Institute of Technology, Raichur, Karnataka, emphasized the need for engineering solutions to consider environmental impact alongside the traditional drivers of quality, cost, and time. Prof (Dr) R Nallusamy, Chairman of Erode Local Centre, IEI, warmly welcomed all participants and highlighted the significance of the program. Prof (Dr) Kumarvelan Radhakrishnan, Honorary Secretary of Erode Local Centre, IEI, expressed gratitude and proposed the vote of thanks, acknowledging the contributions of all involved.

Indore

Indore Local Centre, IEI, observed World Engineering Day for Sustainable Development 2023 on 28 March 2023 in Indore. As part of the event,



a technical visit was organized at the Metro Station - Super Corridor, Indore. Er Pranjal Sharma, Manager at MP Metro Indore Development Authority (IDA), provided insights into different aspects of the

metro rail project and explained the safety procedures. Er Anil Kumar Joshi, Additional General Manager at MP Metro (IDA), discussed the project's time line, division into sections, and shared valuable information to enhance understanding of the project's structure. The visit was attended by Er Deepak Shah, Past Honorary Secretary of Indore Local Centre, IEI.

Jamshedpur

Jamshedpur Local Centre, IEI, observed World Engineering Day for Sustainable Development on 4 March 2023 in Jamshedpur. Er Praveesh Kumar Dhawan, Ex-Scientist at CSIR-NML, Jamshedpur, and Immediate Past Honorary Secretary of Jamshedpur Local Centre, IEI, delivered the welcome address. Er Ravindra Kumar Jain, Senior Manager, Assembly and Segment Shop at Tata Steel, spoke about the theme of the day. Er Shanti Das Bhattacharjee, Honorary Secretary of Jamshedpur Local Centre, IEI, expressed gratitude and proposed the vote of thanks for the event.

Kanyakumari

Kanyakumari Local Centre, IEI, in collaboration with St. Xavier's Catholic College of Engineering Students Chapter and St. Xavier's College of Engineering Ensav Club, observed World Engineering Day for Sustainable



Development on 9 March 2023 in Nagercoil. The event's Chief Guest, Ms K Chithra, former Assistant General Manager at BSNL, Nagercoil, shed light on two crucial areas of technology:

5G and Sustainable Energy, emphasizing their potential to revolutionize our way of life. Ms Chithra explained that 5G, the fifth-generation mobile network, offers faster speeds, lower latency, and reliable connectivity,

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LOCAL CENTRES

Belagavi



Belagavi Local Centre, IEI, commemorated World Engineering Day for Sustainable Development and National Safety Day on 4 March 2023 in Belagavi. The event featured an Invited Talk where Er R T Jangal, Chairman of Belagavi Local

Centre, IEI, welcomed the attendees and presided over the function. Dr K B Prakash, Former Principal of Government Engineering College, Haveri, and Professor at SGBIT College, Belagavi, served as the Keynote speaker. Dr Prakash discussed the evolving landscape of technology usage in both public and private sector companies, as well as educational institutions, in the post-Covid era. He shed light on recent innovations and technologies that benefit humanity. Er B G Dharenni, Committee Member of Belagavi Local Centre, IEI, expressed gratitude and proposed the vote of thanks to conclude the program.

Bhimavaram

Bhimavaram Local Centre, IEI, in collaboration with the Department of Mechanical Engineering and AICTE IDEALab at S R K R, Bhimavaram, observed World Engineering Day for Sustainable Development 2023 on 4 March 2023 through an online platform. Mr Mantena S Pavankumar Raju, CEO of CARRYSHARE Solution Private Limited, Tadepalligudem, graced the session as the Chief Guest and presented a lecture on the topic 'Engineering Innovation and Engineer Role in Sustainable Development'. Er Karanam Suresh Babu, Chairman of Bhimavaram Local Centre, IEI, extended a warm welcome to the Chief Guest and participants. Prof (Dr) K Brahma Raju, Council Member, IEI, delivered a speech centered around the theme of the day. Prof Nookala Gopala Krishna Murthy, Honorary Secretary of Bhimavaram Local Centre, IEI, proposed the vote of thanks at the conclusion of the program.

Dharwad

Dharwad Local Centre, IEI, observed World Engineering Day for Sustainable



Development on 4 March 2023 in Dharwad. The session's Chief Guest, Er G C Tallur, Former Secretary of PWD, Government of Karnataka, highlighted India's leading role in achieving various Sustainable Development Goals (SDGs)

IEI Celebrates World Water Day



Theme - Accelerating Change

The World Water Day was celebrated by the Institution all over the country on March 22, 2023. Reports of celebration received from various Centres are highlighted here.

STATE CENTRES

Andhra Pradesh

The Andhra Pradesh State Centre, IEI, observed World Water Day 2023 on 21 March 2023 in Vijayawada. The session featured two distinguished speakers, Sri N Srinivasu from the AP State Ground Water & Water Audit Department, and Sri A Vara Prasada Rao, Sector Expert from Jal Jeevan Mission, Department of Drinking Water & Sanitation, Government of India. The speakers shed light on the water cycle, its significance, and the impact of climate on the distribution of water in different reservoirs. They also discussed the three main processes of the water cycle: advection, condensation, and evaporation. Dr C V Sriram, Past Honorary Secretary of Andhra Pradesh State Centre, IEI, emphasized the importance of water in India. The session concluded with a vote of thanks from Dr C V Sriram.



Council Member of IEI, and various corporate members, engineers, and scientists participated in the event. The vote of thanks was proposed by Er Dilip Kumar Jha, Honorary Secretary of Bihar State Centre, IEI.



Karnataka

The Karnataka State Centre, IEI, in collaboration with the Indian Water Works Association, Bengaluru Centre, and Dayananda Sagar College of Engineering (DSCE), Bengaluru, observed World Water Day on 24 March 2023 through online mode. A seminar was organized on the theme 'Accelerating Change to Solve the Water and Sanitation Crises.' The seminar provided a platform for exchanging ideas and knowledge on sustainable water management and emphasized the importance of water conservation and the need for innovative solutions in the water sector. Er M Lakshmana, Chairman of Karnataka State Centre, IEI, delivered the welcome address, while Dr H K Ramaraju, the convener of the event, discussed the program's significance and highlighted the challenges in the water sector and the role of engineers in finding solutions. Dr B G Prasad, the Principal of DSCE, served as the Guest of Honor and stressed the importance of water management and the need for sustainable solutions. The event featured two speakers, Er K N Rajiv, Chief Engineer of Bangalore Water Supply and Sewerage Board (BWSSB), and Dr N S Srinivasa Rao, Chief Consultant of Tata Consulting Engineering Services. Er K N Rajiv discussed the scale of the water and sanitation crisis, highlighting the lack of clean water and proper sanitation facilities for millions of people worldwide and the resulting health, environmental, and economic issues. Dr N S Srinivasa Rao delivered a lecture on 'Sewage Treatment Plants – An Overview,' emphasizing the significance of sewage treatment plants and the challenges involved in their design, construction, and operation in maintaining a healthy and safe environment.

Tamilnadu

The Tamilnadu State Centre, IEI, in association with Tiruvallur Local Centre, Kanchepuram Local Centre, and Kattankulathur Local Centre, IEI, observed World Water Day 2023 on 1 April 2023 in Chennai. The event began with a welcome address by Er S Kannan, Chairman of Tamilnadu State Centre, IEI. Er D Gokul, Honorary Joint Secretary of Tamilnadu State Centre, IEI, spoke on the theme of the event. The Chief Guest, Padmabhushan Dr. A Sivathanu Pillai, Founder CEO & MD of BrahMos Aerospace, Former Honorary Distinguished Professor at ISRO, Former Chief Controller (R&D) at DRDO, and Honorary President of PMA, India, shared insights on the importance of acting together to equitably share and sustainably manage water, as it is our common future. The Guest of Honor, Er Kaushik Palicha, Managing Director of Ram Charan Company Private Limited, Chennai, explained the solar PV-assisted co-generation process for sea water desalination. The Chief Guest and the Guest of Honor were introduced by Prof (Dr) Ramesh L, Chairman of Tiruvallur Local Centre, IEI, and Prof (Dr) D Elango, Chairman of Kanchepuram Local Centre, IEI, respectively. Er K N Sivaraju, Honorary Secretary of Tamilnadu State Centre, IEI, proposed the vote of thanks at the end of the event.

Assam

The Assam State Centre, IEI, in collaboration with water-related departments and organizations of the Central and State Government, observed World Water Day 2023 on 22 March 2023 in Guwahati. The meeting was chaired by Er Nripendra Nath Patwari, Chairman of Assam State Centre, IEI. Er Pulak Sarmah, Honorary Secretary of Assam State Centre, IEI, delivered the welcome address. Dr Arup Kumar Misra, Chairman of the Pollution Control Board, Assam, and Past Chairman of Assam State Centre, IEI, urged all stakeholders to go beyond business as usual and take active measures to conserve freshwater resources. Prof (Dr) Robin Kumar Dutta from Tezpur University discussed the challenges related to rural technology for water purification in Assam. The technical sessions included presentations on topics such as wastewater analysis, biochar for groundwater purification, and the climate-hazard nexus in Northeast India. A souvenir-cum-technical volume and quarterly newsletter were released during the event, and the vote of thanks was proposed by Mr Pulak Sarmah.



Bihar

The Bihar State Centre, IEI, celebrated World Water Day on 22 March 2023 in Patna. Er Bhupendra Nath Singh, Chairman of Bihar State Centre, IEI, welcomed the Guest of Honour and Keynote Speaker, Prof (Dr) Nupur Bose, Prof-in-charge, Department of Environment & Water Management & IQAC Co-ordinator, A N College, Patna. Er Singh highlighted the projected water scarcity and stressed the need for integrated water resource management on a global scale. Prof (Dr) Nupur Bose emphasized the importance of preserving water for future generations and improving its quality. She called for collective responsibility in bringing about meaningful change and achieving SDG 6 for water and sanitation. Dr Arun Kumar Shrivastava,

Uttarakhand

Uttarakhand State Centre, IEI, observed World Water Day 2023 on 22 March 2023 in Dehradun. Er Narendra Singh, Past President of IEI, graced the function as the Chief Guest, while Dr. M K Arora, Director of IQAC, JBIT Engineering College, Salqui, Dehradun, was the Guest of Honour and Keynote Speaker. Er Dharm Chandra, Chairman of Uttarakhand State Centre, IEI, welcomed the dignitaries, guests, and participants. Er Satish Chand Chauhan, Honorary Secretary of Uttarakhand State Centre, IEI, proposed the vote of thanks at the end of the seminar.



LOCAL CENTRES

Bhilai

Bhilai Local Centre, IEI, observed World Water Day 2023 on 1 April 2023 in Bhilai. Er Pradeep Kumar Tiwari, Chairman of Bhilai Local Centre, IEI, and Dr Nagendra Tripathi, Honorary Secretary of Bhilai Local Centre, IEI, welcomed the Chief Guest,

Dr. P K Ghosh, Director of UTD, Chhattisgarh Swami Vivekanand Technical University, Bhilai. Er P K Tiwari delivered the welcome address, highlighting the history and necessity of World Water Day celebrations and emphasizing the importance of both water conservation and the prevention of its misuse through public engagement. Dr. P K Ghosh presented a lecture on the current water scenario in Chhattisgarh, India, and the world, providing supporting facts and figures. He discussed the government's initiatives for water conservation, along with their advantages and disadvantages. Dr. Ghosh also presented a case study on the restoration of a very old pond in Durg city, emphasizing the vital role ponds can play in meeting the water demands of cities. He advocated for cost-effective and sustainable organic methods of cleaning ponds, wells, and rivers. Dr Nagendra Tripathi stressed the active involvement of people in overcoming the prevailing water crisis worldwide.



Chandrapur

Chandrapur Local Centre, IEI, observed World Water Day on 22 March 2023 in Chandrapur. Dr. Z J Khan, Principal of Rajiv Gandhi College of Engineering,

Research & Technology, Chandrapur, served as the Chief Guest, while Mr. Bandu Dhotre, President of ECO-PRO (an Environmental Organization of Chandrapur) and a Wildlife Activist in Chandrapur, was the Keynote Speaker. Dr. Z J Khan highlighted the importance of water and the urgent need for its conservation, emphasizing the need to raise awareness about water conservation among all sections of society. Mr. Dhotre discussed the significance of water conservation and various techniques for rainwater harvesting. Er Madhukar Krishnanji Shende, Chairman of Chandrapur Local Centre, IEI, welcomed the Chief Guest, Keynote Speaker, and other dignitaries. Er Yogendrasingh D Parihar, Honorary Secretary of Chandrapur Local Centre, IEI, extended the vote of thanks at the end of the program.



Chandrapur, was the Keynote Speaker. Dr. Z J Khan highlighted the importance of water and the urgent need for its conservation, emphasizing the need to raise awareness about water conservation among all sections of society. Mr. Dhotre discussed the significance of water conservation and various techniques for rainwater harvesting. Er Madhukar Krishnanji Shende, Chairman of Chandrapur Local Centre, IEI, welcomed the Chief Guest, Keynote Speaker, and other dignitaries. Er Yogendrasingh D Parihar, Honorary Secretary of Chandrapur Local Centre, IEI, extended the vote of thanks at the end of the program.

Coimbatore

Coimbatore Local Centre, IEI, in association with Agricultural Engineering College and Research Institute, Tamil Nadu Agricultural University (TNAU), observed World Water Day on 5 April 2023 in Coimbatore. A technical lecture was organized on the theme 'Accelerating Change,' when Dr A

Raviraj, Dean (Agricultural Engineering) at Agricultural Engineering College and Research Institute, TNAU, Coimbatore, serving as the Guest Speaker. Dr Raviraj discussed the impact of water stress on global food production and security. He focused on Sustainable Development Goal (SDG) 6 for clean water and sanitation, highlighting ways to accelerate change and address the water and sanitation crisis. He also explained the initiatives undertaken by TNAU to achieve SDG 6, including rainwater harvesting, groundwater recharge techniques, wastewater treatment, and other innovative measures for water management. Prof (Dr) S Shanmugam, Chairman of Coimbatore Local Centre, IEI, welcomed the gathering and provided an overview of the day. Dr. M Balakrishnan, Professor and Head of the Department of Food Processing Engineering at Agricultural Engineering College & Research Institute, TNAU, Coimbatore, and Committee Member of Coimbatore Local Centre, IEI, introduced the Guest Speaker. Dr. R Mahendiran, Professor of Renewable Energy Engineering at Agricultural Engineering College & Research Institute, TNAU, also spoke on the occasion.



Dharwad

Dharwad Local Centre, IEI, observed World Water Day on 27 March 2023 in

Dharwad. The Chief Guest, Dr Venkappayya R Desai, Director of Indian Institute of Technology Dharwad, delivered a speech on the preservation and management of local water resources for comprehensive growth. He emphasized the importance of effective collaboration between professionals and academicians in finding solutions to water-related challenges. Er Vijaykumar Hanamantappa Totiger, Chairman of Dharwad Local Centre, IEI, presided over the function. Dr K N Patil, Committee Member of Dharwad Local Centre, IEI, welcomed the gathering, and Er Sidlingappa Sangappa Kerur, Honorary Secretary of Dharwad Local Centre, IEI, proposed the vote of thanks.



Dharwad. The Chief Guest, Dr Venkappayya R Desai, Director of Indian Institute of Technology Dharwad, delivered a speech on the preservation and management of local water resources for comprehensive growth. He emphasized the importance of effective collaboration between professionals and academicians in finding solutions to water-related challenges. Er Vijaykumar Hanamantappa Totiger, Chairman of Dharwad Local Centre, IEI, presided over the function. Dr K N Patil, Committee Member of Dharwad Local Centre, IEI, welcomed the gathering, and Er Sidlingappa Sangappa Kerur, Honorary Secretary of Dharwad Local Centre, IEI, proposed the vote of thanks.

Erode

Erode Local Centre, IEI, in association with the Department of Civil Engineering, Velalar College of Engineering and Technology, observed World Water Day 2023 on 22 March 2023 in Erode. The Guest Lecture was delivered by Dr M Jayaraman, Principal of Velalar College of Engineering & Technology, Erode. Prof (Dr) R Nallusamy, Chairman of Erode Local Centre, IEI, welcomed the guests, members, dignitaries and highlighted the importance of the program. Prof (Dr) Kumaravelan Radhakrishnan, Honorary Secretary of Erode Local Centre, IEI, expressed gratitude to all the members for attending the meeting.

Kanpur

Kanpur Local Centre, IEI, in association with the Department of Civil Engineering, HBTU Kanpur; Rural Technology Action Group, IIT Kanpur; and Imagineering Lab, IIT Kanpur, observed World



Water Day on 21 April 2023 in Kanpur. Prof (Dr) J Ramkumar, Immediate Past Chairman of Kanpur Local Centre, IEI, welcomed the Theme Speaker, Ms Amruta P Karkare, Senior Project Engineer at IIT Kanpur. Dr Rajat Kumar Khare, Immediate Past Honorary Secretary of Kanpur Local Centre, IEI, introduced the Theme Speaker. Ms. Karkare shared her views on the topic, focusing on the global water resources, their current status, and

the necessary actions. She discussed the "Designedly Approach" to save water, including practices such as recycling, re-usage, and desalination. Ms. Karkare emphasized the role of budding engineers in solving water constraint problems through their technical knowledge and design thinking. Dr. Pradeep Kumar, Convener and Professor in the Department of Civil Engineering, HBTU Kanpur, and Past Chairman of Kanpur Local Centre, proposed the vote of thanks at the end of the event.

Kalpakkam

Kalpakkam Local Centre, IEI, observed World Water Day 2023 on 4 May 2023 through online mode. Er M Shanmuga Sundaram, Chairman of Kalpakkam Local Centre, IEI, welcomed everyone and introduced the Speaker, Er Joshi Hiren, Scientific Officer/E, BTES, WSCD, BARCF, Kalpakkam. Er Hiren explained the integrated water resources measures and discussed the function of Hybrid Granular Sequencing Batch Reactor (SBR) Treatment, a compact biological treatment method for removing contaminants from wastewater. He highlighted the value of resources recovered from wastewater treatment plants, such as treated wastewater and fertilizer supplements, which can help recover operational expenditure (OPEX) for the plant. Additionally, the Speaker discussed global warming, ozone layer depletion, single-use plastic consumption, and renewable energy as ways to protect the environment.

Kattankulathur

Kattankulathur Local Centre, IEI, in association with the SRM Institute of Science and Technology, Department of Computational Intelligence, observed World Water Conservation Day on 30 March 2023 in Kattankulathur. The Chief Guest, Mr Rohit Kumar, CTO of Venerate Solutions, delivered a lecture on global warming through virtual mode. He emphasized the direct impact of the industrial revolution on the environment's biological order. Prof (Dr) Ms Dhanalakshmi S, Chairman of Kattankulathur Local Centre, IEI, welcomed everyone, and Prof (Dr) Vijayakumar, Honorary Secretary of Kattankulathur Local Centre, IEI, proposed the vote of thanks at the end of the program.



Kolhapur

Kolhapur Local Centre, IEI, in association with the Department of Civil Engineering and Department of Electrical Engineering, DKTE's Textile and Engineering Institute, Ichalkaranji, observed World Water Day on 23 March 2023 in Kolhapur. Er Subhash S Deshpande, Executive Engineer of Ichalkaranji Municipal Corporation, delivered an expert talk on the topic "Present Challenges in Water Governance." Er Deshpande discussed the current challenges in water governance, emphasized the need for sustainable water management practices, and highlighted the importance of improved infrastructure and community involvement in water conservation efforts. He also spoke about the role of technology and innovation in addressing water scarcity and ensuring equitable access to water resources. Dr Ravindra Nemgonda Patil, Chairman of Kolhapur Local Centre, IEI, delivered the welcome address, and Prof (Dr) M B Chougule, Past Chairman of Kolhapur Local Centre, IEI, introduced the Keynote Speaker. Prof A L Mulla, HoD of the Civil Engineering Department, DKTE's Textile & Engineering Institute, Ichalkarnji, also shared his thoughts on the occasion.



Meerut

Meerut Local Centre, IEI, observed World Water Day 2023 on 22 March 2023 through online mode. Er S K Sharma, Chief Engineer; Er L K Gupta,

C in C UPID; and Er B D Sharma, Convener of the Indian Water Resources Society, Meerut Chapter, were the Speakers of the event. Er Mohan Lal Jain, Chairman of Meerut Local Centre, IEI, welcomed the guests and corporate members of IEI. Er S K Sharma discussed the pollution of the river Ganga and expressed concern about the increased diversion of its water in the upper Ganga canal, leaving the river course downstream of Haridwar almost dry during the non-monsoon period. He suggested storing the monsoon flow upstream of Haridwar at feasible locations and releasing it during the lean period. Er L K Gupta and Er B D Sharma highlighted the importance of minimizing water wastage, increasing resources through rainwater harvesting and rejuvenation of water bodies, and reducing water consumption in agriculture. They emphasized water recycling for industrial and domestic purposes. Er Raj Pal Agrawal, Honorary Secretary of Meerut Local Centre, IEI, proposed the vote of thanks.

Munirabad

Munirabad Local Centre, IEI, observed World Water Day on 4 May 2023 in Munirabad. Prof (Dr) Kuppagal Veeresh, Chairman of Munirabad Local Centre, IEI, welcomed the dignitaries. The session's speaker, Er T H M Somashekar from Hosapete, focused on promoting swift implementation of activities to preserve water for future generations. He highlighted the indiscriminate use of groundwater, which is leading to water scarcity in the country. Mr K Nanjappa, Honorary Secretary of Munirabad Local Centre, IEI, concluded the event with a vote of thanks.



Nagpur

Nagpur Local Centre, IEI, in association with the Association of Consulting Civil Engineers, Nagpur Centre, observed World Water Day on 10 April 2023. The 3rd Dr A G Bhole Memorial Lecture was delivered by the Keynote speaker of the day, Er Jagannath Rathod, a former engineer from the Water Resources Department and a consultant for Rainwater Harvesting. The topic of the lecture was 'World Water Crisis: Scientific Explanation and Easy Solutions.' Er Milind Anant Pathak, Chairman of Nagpur Local Centre, IEI, delivered the welcome address and explained the theme of the day. Er Rathod discussed the status of water availability and water crises worldwide. He demonstrated effective techniques for rainwater harvesting in basaltic regions, including contour trenching, open well recharge, and drainage line treatment. Er P S Patankar, Chairman of ACCE (I), concluded the session by emphasizing the importance of water and urging participants to implement the easy techniques shared by Er Rathod. Additionally, M/s Ultratech Cement exhibited a model of an in-line filter for rooftop rainwater harvesting. Prof (Dr) Jugalkishor Fulchand Agrawal, Honorary Secretary of Nagpur Local Centre, IEI, was also present during the session.



Navi Mumbai

Navi Mumbai Local Centre, IEI, in association with Fr C Rodrigues Institute of Technology (FCRIT), Vashi, observed World Water Day on 24 March 2023 at Belapur. The speaker of the session, Mr Sachin Shah, Vice President - Technology, Ion Exchange (India) Ltd, Mumbai, shed light on the critical situation of wastewater management that requires



immediate attention. He highlighted the limitations of current wastewater treatment techniques in removing antibiotics and organic toxic pollutants, which can potentially enter soil and water, posing health hazards through the food chain and drinking water. Er Kishanrao M Godbole, Chairman of Navi Mumbai Local Centre, IEI, warmly welcomed the participants. Mr. Sanjay Raghunah Bagul, Honorary Secretary of Navi Mumbai Local Centre, IEI, proposed the vote of thanks.

Thanjavur

Thanjavur Local Centre, IEI, observed World Water Day 2023 on 23 March 2023 through online mode. A webinar was organized on the topic 'Gully Erosion - Options for Prevention, Control, and Rehabilitation.' The guest speaker of the session, Er A Divyanathan, Assistant Engineer from the Special Area Development Programme in Thirunelveli, provided detailed explanations about soil erosion, gully erosion, and gully treatment. He emphasized the significant aspects of Gabion check dams as effective soil and water conservation practices to address soil loss and reservoir siltation. Er E Jayakumar, Chairman of Thanjavur Local Centre, IEI, extended a warm welcome to all the participants. Prof (Dr) N Venkatachalapathy, Honorary

Secretary of Thanjavur Local Centre, IEI, introduced the guest speaker and concluded the session with a vote of thanks.

Warangal

Warangal Local Centre, IEI, observed World Water Day 2023 on 25 March 2023 in Warangal. The Chief Guest of the session, Er B L Srinivas, Executive Engineer from the Greater Warangal Municipal Corporation (GWMC), highlighted the importance of water resources, contamination, conservation, and sustainability. The guest of honor, Er K Rajaiah from GWMC, emphasized the importance of maintaining quality standards in field-level operations, addressing pipeline leakages, and minimizing water wastage. Er M Sambaiah, Chairman of Warangal Local Centre, IEI, discussed the theme of World Water Day.



IEI Celebrates

World Engineering Day for Sustainable Development 2023

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paving the way for new applications and services such as autonomous vehicles, remote healthcare, and smart cities. She also touched upon future advancements in cellular network technology, mentioning 6G's inclusion of terahertz frequency communication, artificial intelligence, and holographic communications. Dr M Marsaline Beno, Dean of St. Xavier's Catholic College of Engineering and Honorary Joint Secretary of Kanyakumari Local Centre, IEI, extended a warm welcome to the Chief Guest and all attendees, highlighting the need for continued innovation to build a more resilient world. Er Natarajan S, Honorary Secretary of Kanyakumari Local Centre, IEI, also addressed the audience, emphasizing the importance of sustainable engineering in shaping a brighter future.

Pune

Pune Local Centre, IEI, in association with AISSMS Polytechnic, Pune, observed World Engineering Day for Sustainable Development on 4 March, 2023 at Pune. Dr Sanjay Bhaskar Zope, Chairman, Pune Local Centre, IEI, welcomed Dr Rajendra Shende, Chairman, TERRE Policy Centre, and Er Rajendrakumar V Saraf, President, Marathi Vidnyan Parishad, Pune, along with the participants. Dr



Rajendra Shende discussed the significance of observing the day, focusing on climate change, resilient infrastructure, and weather-related events in developing countries. He emphasized the Sustainable Development Goals and the need for action to promote prosperity while protecting the planet. Er Rajendrakumar V Saraf highlighted the role of engineering in shaping a better world and emphasized the importance of collaboration with government and industry. Er Munot Vipin Vasantlal, Honorary Secretary, Pune Local Centre, IEI, proposed the vote of thanks.

Thanjavur

Thanjavur Local Centre, IEI, observed World Engineering Day for Sustainable Development 2023 on 31 March, 2023 through online mode. Dr A R Raghavan, Executive Engineer (Retd), TWARD Board, Thanjavur, was the Guest Speaker and delivered a speech on the topic 'Management of Drinking Water - with Excess Iron'. The presentation focused on the management of drinking water quality when the iron content exceeds prescribed standards. It also highlighted the development of a low-cost iron removal filter for research purposes. The speech covered various aspects such as global water distribution, water quality standards, the importance of water, the effects of excess iron in drinking water, areas with excess iron in Thanjavur District, methods for iron removal, and the low-cost iron removal filter developed for domestic usage. Er E Jayakumar, Chairman, Thanjavur Local Centre, IEI, welcomed everyone and introduced the Guest Speaker, while Prof (Dr) N Venkatachalapathy, Honorary Secretary, Thanjavur Local Centre, IEI, proposed the vote of thanks at the end of the webinar.

Tuticorin

Tuticorin Local Centre, IEI, celebrated World Engineering Day for Sustainable Development 2023 on 10 March, 2023 in Tuticorin. Er I M Michael Raj, Past Chairman of Tuticorin Local Centre, IEI, warmly welcomed everyone and introduced the Chief Guest, Er Manappa Talwar, Senior Engineer at the Heavy Water Plant, Tuticorin, Department of Atomic Energy. In his enlightening speech, Er Talwar highlighted the rapid advancements in renewable energy adoption, the remarkable progress in communication technology, including the 5G spectrum, and the successful indigenous launch of multiple satellites. Er Sivageerthi T, Honorary Secretary of Tuticorin Local Centre, IEI, extended gratitude to all participants and proposed the vote of thanks at the conclusion of the program.



PROCEDURE FOR CONDUCT OF ELECTIONS

(As approved by the Council at its 689th meeting held at Ahmedabad, on 02-03 April, 2016 and amended at its 690th Meeting held at Durgapur on 26 Jun 2016, at its 691st Meeting held on 24-25 Sep 2016 at Haridwar, at its 706th meeting held on 21 Sep 2019 at Mumbai, at its 707th meeting held on 29 Dec 2019 at Hyderabad and as circulated subsequently)

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.

3. The BOS will access the Control Panel of the Election software by using their login credentials which would be strictly confidential.

Inviting self-nominations

4. The Board of Scrutineers shall invite self-nominations alongwith biodata 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.

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.

The amount of earnest money as decided by the Council at its 691st and 715th meetings is as follows:

i. For election to the Council seat — Rs.20,000

ii. For election to the State Centre Committee — Rs.5,000

iii. For election to the Local Centre Committee — Rs.3,000

The earnest money should be paid by Demand Draft in favour of "The Institution of Engineers (India)", payable at Kolkata or by direct electronic remittance to the HQs.

In case of electronic remittance, the receipt of payment should be attached with the nomination papers and forwarded immediately to the IEI HQs.

Submitting self-nominations along with other requisites

5. A Corporate Member willing to contest in the election shall nominate himself and submit the nomination alongwith biodata and the earnest money. The nomination shall include the name, the class of membership, Division and the Membership number of the Corporate Member. The bio-data shall be circulated as received from the concerned nominated members but may be abridged to limit it to one hundred words and the Board of Scrutineers shall not be responsible for correctness or otherwise of such information.

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 25 and 26. For election under Regulation 24, minimum 30 days from the last date of sending emails inviting nominations shall be allowed for submitting the nominations along with other requisites. The earnest money paid during submission of nomination shall not be refunded under any circumstances.

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. The candidate shall also submit, an acceptable proof of his identity, viz PAN card or Driving License or Photo ID Card issued by State/Central Government bearing his signature or Photo ID Card of The Institution bearing his signature or first page of his passport duly self attested.

Scrutiny of Nominations

6. On expiry of the last date of receipt of nomination, the Board of Scrutineers shall meet and scrutinize the nomination papers and verify the validity of 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).

BOS Control Panel

7. The BOS can access the BOS Control Panel of Election software only after they log-in with their membership number as log-in ID and requisite password. This password 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.

Electronic Voting

8. (a) Computer auto generated log-in credentials for online voting shall be sent through the mobile / e-mail to the electronically reachable members as on 31 Mar of the year on the day prior to the opening day of the election.

(b) An eligible voter visiting the Institution website www.ieindia.org will be guided to the election portal. The voter can access the voting page of the relevant election by using log-in ID and password for voting online. A system generated One Time Password shall be sent to the registered Mobile / e-mail 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 electronic voting details cannot be downloaded and vote cast is encrypted. The bio data of the contestants will be available for voters reference in the election portal. The e-voting period shall be 14 days for all elections under Regulations 24, 25 and 26.

(c) In case a voter misplaces his password or has not received it for any reasons, he can request for computer auto-generated log-in ID and password from the HOME page of the IEI election web site which can be accessed through www.ieindia.org, which shall be sent to his mobile / e-mail.

(d) In case of members residing abroad who have registered their e-mail id, they will be provided the log-in credentials through his e-mail only.

Security

9. A voter can log in using his / her password issued to him in his / her registered mobile / e-mail on the starting day of the election. However, while casting the vote, a system generated One Time Password (OTP) shall be sent to his / her registered mobile / e-mail. Voter has to use that password 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.

10. The election Web 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.

11. 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.

12. The software is to also have feature of automatic logging out if no activity takes place for 10 minutes. After automatic logging out, re-logging by all three to access the site is to be made mandatory.

13. The electronic voting shall end at 2400 hours on the date specified and no voting on web can be done thereafter.

Final counting

14. On the date of counting the system shall count the online votes and final

result shall be available to BOS instantly. In the event of a tie, the BOS shall decide the result by toss of coin or by drawing lots, as per the existing provision.

Bio data

15. The Bio data of the contestant if furnished, as finalized by the BOS, shall be uploaded on the election site. This shall be available in public domain. It shall also be available for view to the voter while casting the vote on web.

16. The Bio data of the contestants shall also be published in the Centre's Newsletter.

Result

17. 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.

18. The Honorary Secretary shall immediately communicate official results of the election to the Secretary & Director General. The voting papers shall be sealed and kept by the Chairman of the Centre till 30 days after the ensuing AGM of the Centre whereafter they shall be destroyed, as per the existing proviso.

For election to Council under Bye-law 4(a)(iii) the voting papers need to be

preserved till 30 days of the Institution's AGM, whereafter they shall be destroyed. Similarly details of all the web voting shall be dealt with by the Administrator.

19. The BOS shall conduct all business of election from the premises of the Centre. In no case activities of election can be carried out from premises other than the Centre.

20. The Chairman and the Honorary Secretary in the office and the Chairman-elect and Honorary Secretary-elect shall not be members of the BOS.

21. No person shall be member of BOS for more than two consecutive elections.

22. 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.

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 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.



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 July 2023

Sl. No.	Name of the Course	Scheduled Dates
1.	O&M of Sewerage network System and treatment plants	03 - 07 Jul 23
2.	Operation, Maintenance and Quality Monitoring of Centrifugal Pumps and Compressors (Includes Screw Compressors)	03 - 06 Jul 23
3.	Planning, Design & Installation of Community Micro Irrigation System	03 - 05 Jul 23
4.	Electrical Safety Procedures & Accident Prevention	04 - 07 Jul 23
5.	Data Analytics & Visualization using Power BI	10 - 13 Jul 23
6.	NDT Level II Certification in Radiography Film Interpretation (RTFI) in Accordance with ASNT Document No. SNT-TC-1A 2011	10 - 14 Jul 23
7.	Effective Management of Organizational Resources in Opencast Mining Projects: Total Productive Maintenance of Machinery, OITDS, Machine Utilization, Enhanced Safety & Productivity, Design of Haul Roads, Tyre-Care, Conservation of POL, Energy Audit, Mine Wastes into Resources ISO-50001:2018 Certification	10 - 14 Jul 23
8.	Engineering Design using AUTO CAD	11 - 13 Jul 23
9.	Study and Preparation of DPR in Engineering Projects	12 - 14 Jul 23
10.	Distribution Automation & SCADA	12 - 14 Jul 23
11.	Corporate Capacity Development Programme on Sustainability	13 - 14 Jul 23
12.	Total Quality in Purchase Process (Including ERP & e-Procurement)	16 - 18 Jul 23
13.	Advanced Construction Materials in Concrete Technology and its applications	17 - 21 Jul 23
14.	Personal and Family Financial analysis and Planning-Skills for Success	17 - 19 Jul 23
15.	Water Conservation, augmentation and Preservation	17 - 19 Jul 23
16.	CERC Regulations Including Tariff Regulations (Online)	18 - 21 Jul 23
17.	Project and Contract Management (along with GEM training) at Lonavala	18 - 20 Jul 23
18.	Faecal Sludge and Septage Management	19 - 21 Jul 23
19.	Cyber Security Best Practices for Managers & Executives	19 - 21 Jul 23
20.	Quality Initiatives in Technical and Higher Educational Institutions (In Compliance with NBA & NAAC Accreditation)	19 - 21 Jul 23
21.	Topology Optimization and Design for Additive Manufacturing	24 - 26 Jul 23
22.	Web Development using Angular 8	24 - 28 Jul 23
23.	Impact of Information and Communication Technology (ICT) in Manufacturing	24 - 26 Jul 23
24.	Advanced Drilling & Blasting Practices- Enhanced Safety & Productivity	24 - 26 Jul 23
25.	ISO 9001:2015 QMS - Lead Auditor Training (CQI - IRCA - UK Certified)	24 - 28 Jul 23
26.	PLC, DCS & SCADA for Power Plants and Process Industries	25 - 28 Jul 23
27.	Leadership Styles and Team building Skills for Organizational Excellence at Mysore	25 - 27 Jul 23
28.	Carbon Markets post Cop26	26 - 28 Jul 23
29.	Design & Optimization of Blasting in Quarries, Opencast Mines & Infrastructure Projects	27 - 29 Jul 23

For detail information please contact:

Engineering Staff College of India

Old Bombay Road, Gachibowli, Hyderabad – 500 032

Landline : 040-66304100 & Mobile: +91 7337319038 / Email : mis@escihyd.org / URL : <https://escihyd.org>

News-in-Brief

The following are the brief account of Technical Activities organised by various Centres

STATE CENTRES

Andaman & Nicobar

Organized a seminar on 'Waterproofing, Flooring, and Repair Products' on 25 August 2022. The speaker of the event, Er Abrar Suleman, Head of Project Marketing at Asian Paints, discussed the range of products available for waterproofing and sealing operations. A video demonstration showcased the practical application of these products in real-life projects. Mr N Naresh, Senior Manager (Marketing) at Asian Paints, explained the application procedure for various waterproofing compounds. Er Rakesh, Area Manager (Technical) at Asian Paints, provided insights into the chemical composition of different sealants and their applications.

Gujarat

On the occasion of the 63rd Foundation Day of Gujarat State Centre, IEI, a Technical Talk on 'Revamping Engineering Education in India' was organized on 1 September 2022 in association with the Water Management Forum of IEI. The event took place in Ahmedabad with Er Navinchandra B Vasoya, Past President of IEI and National Member of the Executive Council, WFEO, as the Chief Guest. Mr Sandeep B Vasava, Council Member of IEI and Secretary of the Roads & Building Department, Government of Gujarat, graced the event as the Guest of Honour. The keynote speaker, Er Yashkumar Jayeshbhai Tailor, AWS Certified Industry Inspector from Ahmedabad, delivered a lecture on the topic of the technical talk.

Karnataka

Organized jointly with the Association of Consulting Civil Engineers (India), Indian Geotechnical Society, Bangalore Chapter (IGS), Indian Plumbing Association, Bangalore Chapter (IPA) (INSTRUCT), BIT, RRIT, and Ramco Cements, a Study Circle Meeting was held on 10 September 2022 in Bengaluru. The meeting focused on the topic 'Civil Engineering Solution to Bengaluru Flooding Problem'. Dr Enti Ranga Reddy, Honorary Secretary of the Karnataka State Centre, IEI, addressed the audience, shedding light on the pressing issues affecting Bengaluru, such as flooding, building collapses, poor roads, building violations, and illegal layouts. He also outlined the collaborative efforts of professional bodies in addressing these challenges. The meeting further explored various technical suggestions for flood control and discussed a roadmap for system remodelling.

A lecture on World Meteorological Day was organized on 23 March 2023 through online mode. The topic of the lecture was 'Meteorology and Role of Instrumentation in Aviation'. Dr Enti Ranga Reddy, Honorary Secretary of the Karnataka State Centre, IEI, commenced the program by highlighting the importance of understanding weather conditions in aviation for ensuring safety and efficiency. The session's speaker, Dr. G Sivakumar, Principal Scientist at CSIR, National Aerospace Laboratories, emphasized the significance of meteorology and its application in aviation. He discussed various weather phenomena that significantly impact aviation and emphasized the need for advanced instrumentation like Doppler radars, lidars, and satellites for weather forecasting and monitoring. Dr. Sivakumar stressed the importance of continuous weather condition monitoring to prevent unexpected weather events that may jeopardize flight safety. The event provided valuable insights into the role of meteorology and instrumentation in ensuring safe and efficient aviation operations.

West Bengal

A seminar on 'Preparing Existing Ships for Compliance of CII Requirements' was organized on 13 February 2023 in Kolkata. Cdr Dr Bhaskar M Bhandarkar, Chairman of the Marine Engineering Division Board, IEI, addressed the gathering. Er Gautam Sen, Chairman of the Marine Engineering Divisional Sub-Committee, West Bengal State Centre, IEI, introduced the speakers, Er Alok Kumar Mitra, Marine Faculty, and Er Sadhan Kumar Sarkar, Ex Director – Incharge, Marine Engineering & Research Institute, Kolkata, Indian Maritime University, Kolkata Campus. Er Alok Kumar Mitra delivered a speech on the topic 'Energy Efficiency in Ship Construction and Operation', focusing on fuel consumption reduction through hull design, modified propellers, and trim optimization. Er Sadhan Kumar Sarkar delivered lecture on 'Preparing Existing Ships for Compliance of CII Requirements', highlighting the decarbonization targets set by IMO for the shipping industry.

LOCAL CENTRES

Ahmednagar

In association with the Architects, Engineers, and Surveyors Association, Ahmednagar, a technical lecture on 'Tools in Management for Construction Entrepreneurs' was organized on 21 February 2023 in Ahmednagar. Er Manohar Mukund Anekar, Chairman of the Ahmednagar Local Centre, IEI, highlighted the challenges faced by civil contractors in the construction sector and provided solutions. He explained the six categories of work in a construction firm, including technical, production, materials, personnel, financial, and commercial management. Various tools and techniques such as ABC Analysis, Value Analysis, TQM, Just in Time, Bar Chart, Risk Analysis, Cash Flow Charts, Kaizen, Six Sigma, and Pokayoke were discussed, along with case studies showcasing their implementation in the business.

Coimbatore

A technical lecture on 'Quality: A Challenge' was organized on 24 February 2023 in Coimbatore in association with the Department of Production Engineering, PSG College of Technology. The guest speaker, Mr. Amol M Gadre, Head of Operations at L&T MBDA Missile Systems Limited, Coimbatore, discussed quality assurance from the perspective of customer satisfaction and confidence. The significance of world-class quality and doing things right the first time was emphasized. The lecture covered topics such as the TQM model, elements of TQM, QC tools, and the implementation of Six Sigma, accompanied by real-time case studies highlighting the challenges and opportunities.

Faridabad

Through online mode, a Technical Lecture Meeting on 'Application of Artificial Intelligence in the Present Era' was organized on 18 February 2023. Dr. Suresh Kumar, Professor at MRIIRS University, Faridabad, served as the speaker. The session covered the process of the Turing Test for Intelligence, theological and mathematical objections in the Turing Test, AI and Machine Learning, and the impact of Artificial Intelligence on society. The future of Artificial Intelligence and its impact, including its role in enhancing the customer experience in online stores and services, was also discussed. Er Pankaj Kumar, Director Technical R&D (Puresh) moderated the session.

Kanpur

The Prof C B Gupta fifth Memorial Expert Lecture was organized in association with the Old Boys Association GCTI, Kanpur, and the Textile Association of India, Uttar Pradesh, on the topic 'Latest Developments in Textiles' on 5 February 2023 through online mode. The guest speaker, Prof Ravindra V Adivarekar from the Department of Textile Processing ICT, Mumbai, highlighted that the latest innovations in textiles are driving start-ups worldwide in the post-pandemic era. He emphasized the growing attraction towards sustainable approaches in textile manufacturing. Prof Mukesh Kumar Singh, Dean Academic, UPTTI, Kanpur, discussed the theme and acknowledged the contributions of Late Prof C B Gupta to the textile industry and society.

Kanyakumari

An international webinar on 'Biometric Security Technology and ICT Application' was organized on 27 August 2022 through online mode. The Keynote speaker, UNESCO Laureate Prof Bashiru Aremu, a renowned Professor of Computer Science and Vice Chancellor of Crown University Intl Chartered Inc. USA, discussed various aspects of biometric security, including the protection of biometric data and physical and behavioral biometric analysis.

In association with The Institution of Engineering Technology (IET), Nagercoil Local Network, a technical lecture on 'Future Technologies in Electric Vehicles' was organized on 31 October 2022 in Kanyakumari. The session, delivered by Er R L Geoffer Jish, Test Specialist at Siemens, Bangalore, and Vice Chairman of IET KKLNYP, provided insights into the different stages of Bharat Stage and its corresponding reference in European countries. The lecture covered topics such as the emission ranges in petrol and diesel vehicles, various types of electric vehicles, parallel and serial hybrid systems, and different battery types commonly used in automotive applications.

Kattankulathur

Organized a webinar in association with the Indian Concrete Institute, Chennai Chapter, and the Department of Civil Engineering, SRM Institute of Science and Technology on 'Fundamentals of Composite Strengthening' on 10 June 2022. The resource person, Er Ravi Shankar Subramaniam, Technical Director at Integino Structural Solutions Private Limited, Chennai, emphasized the significance of composite strengthening in the construction industry, addressing both architects and civil engineers. He discussed the differences in designing conventional and composite structures and how these variations impact the strengthening process. The session also covered the utilization of design software such as InDesign, ANSYS, ABAQUS, etc.

Organized a webinar in association with the Indian Concrete Institute, Chennai Chapter, and the Department of Civil Engineering, SRM Institute of Science and Technology on 'Stability Aspects in Steel Compression Member Design' on 21 June 2022. Dr J Vijaya Vengadesh Kumar, Assistant Professor at the Department of Civil Engineering, National Institute of Technology Surathkal, Mangalore, Karnataka, provided a comprehensive overview of the designing process for steel compression members. He discussed the fundamentals of structural members subject to axial compressive forces, potential failures, and the impact of minor and major axial buckling on member stability. The session included a step-by-step design procedure for steel compression members, covering aspects specific to columns, beams, and angled members.

Organized a webinar in association with the Indian Geotechnical Society, Chennai Chapter, and the Department of Civil Engineering, SRM Institute of Science and Technology on 'Assessment of Liquefaction Potential of Sites: Few Case Studies' on 22 June 2022. Dr Ayothiraman R, Professor of Geotechnical Engineering at the Department of Civil Engineering, IIT Delhi, focused on the earthquakes in Assam, Delhi, and Gujarat, along with

the subsequent aftermath. He highlighted the conditions and structural considerations for sites based on soil nature and site peculiarities. The session also explored the factors that significantly contribute to site liquefaction.

Kharagpur

Organized a webinar on 'Journey of Tata Hitachi Construction Private Limited in the Field of Construction Engineering' on 15 September 2022. The Keynote speaker, Er Arup Mukherjee, Assistant Vice President of Tata Hitachi Construction Machinery Co Private Limited, shared insights into the company's engineering journey and the advancements in research that Hitachi has contributed to our daily lives. The lecture covered topics such as machinery, plant designs, and the progress made at the Kharagpur plant under the speaker's guidance. Er Mukherjee also discussed potential future collaborations between IEI and Tata Hitachi Construction Private Limited, advocating for an industry-academic partnership to enhance the quality of engineering education.

Organized a webinar on 'Energy Transition - Global and Indian Perspective' on 15 February 2023 in Kharagpur. The speaker for the session was Dr Sandeep D Kulkarni, Associate Professor at the Deysarkar Center for Excellence in Petroleum Engineering, Indian Institute of Technology Kharagpur. Dr Kulkarni discussed various aspects of energy transition from both national and global perspectives.

Kochi

Celebrated World Students' Day on 15 October 2022, jointly with Trichur Local Centre, IEI, through an online mode event in Kochi. The occasion included a webinar where Er Salahudheen P A, Chairman of Kochi Local Centre and Council Member, IEI, highlighted the significance of Students' Day and its connection with the birthday celebration of the former President of India, Late APJ Abdul Kalam. Prof Sunil Kumar C P, Chairman of Trichur Local Centre, IEI, introduced the topic of the webinar. The speaker for the session, Dr P V Venkitakrishnan, Council Member and Chairman, Aerospace Engineering Division Board (ASDB), IEI, Former Senior Scientist and Director of CBPO, ISRO, Bangalore, shared his association with Late Dr APJ Abdul Kalam during his tenure as an ISRO scientist and discussed various activities of ISRO's space program. Dr Venkitakrishnan also highlighted ISRO's plan to introduce a space transportation program called Gaganayan with the help of a reusable space vehicle. Prof (Dr) G Madhu, Council Member, IEI, was present in the session and addressed the audience.

North Bengal

Organized a Lecture Meeting on 'HD-SPWM: Future of High-Frequency Power Conversion Technology' on 24 February 2023 in Jalpaiguri, North Bengal. The theme speaker for the event was Dr Rishiraj Sarker, a Post-Doctoral Associate at the Energy, Power & Sustainability-Intelligence (EPSI) Group, Florida International University, Miami, USA. Dr Sarker discussed the application of DC/AC converters in grid-connected PV systems, electric vehicles (EVs), UPS, induction heating, and aircraft applications. He explained the implementation of a mathematically formulated optimized finite-state machine (FSM) algorithm to adapt the variable modulation index (MI) of SPWM by adjusting the duty-cycle value of PWM pulses based on the measured feedback of the voltage signal.

Ranipet

Organized a Lecture Program on 'Process of Innovation Development and Technology Readiness Level' on 28 January 2023, through online mode. The speaker for the event was Dr A P Arumugaraj, Principal Electrical Engineer at McDermott International, Chennai. The webinar covered key points such as the technology transfer process, stages of innovation development, Technology Readiness Level (TRL), various steps and classifications in technology transfer, and technology transfer from a national perspective.

South Gujarat

Organized an Expert Lecture in association with Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat on 'Advanced Construction Technology' held on 29 January 2023 in Surat. The program was attended by Dr Jignesh G Vaghasia, Chairman of South Gujarat Local Centre, IEI; Dr S Kumar, Coordinator of CES, SVNIT; Dr G J Joshi, Head of the Department of Civil Engineering, SVNIT Surat; Er Pinak Desai, an alumni of DoCE, SVNIT; Er Vinay Maurya, also an alumni of DoCE, SVNIT, and other distinguished guests. During the program, Dr S Kumar addressed the gathering and discussed recent trends in construction, highlighting the technical and managerial activities undertaken by civil engineers. The speaker, Dr G J Joshi, focused on the historical development of civil engineering, including the constant struggle with materials, spans, height, active loads, and natural forces such as water, fire, and earthquakes. He emphasized current research efforts towards the development of tools and techniques that support the use of building codes and the design process, including hypertext building code documents, minicode generators, systems for training building inspectors, plans compliance checking systems, and techniques for the reuse of designs.

Tirunelveli

Organized a Seminar on 'Internet of Things in Agriculture' held on 16 February 2023 in Tirunelveli. The Chief Guest of the event, Mr I Mariya John Xavier, CEO of Revol Process Solution Private Limited, Chennai, delivered a keynote address where he explained various IoT-based smart solutions and their applications in the agriculture sector.

Organized a Seminar on 'Internet Applications in Aeronautics' held on 21 February 2023 in Tirunelveli. The Chief Guest and Keynote speaker of the event, Mr V Gnana Amala Francis, Manager at XB14 India Private Limited, Tenkasi, discussed the internet applications in the field of Aeronautics. He highlighted the importance of the air data computer as an essential avionics component in aircraft and elaborated on the use of the internet in various aviation contexts, including air-to-ground, air-to-air, air-to-satellite, and aircraft cabin communications.

Tumakuru

Organized a seminar in association with Channabasaveshwara Institute of Technology, Gubbi, Karnataka, on 'Enhancing Research Visibility: Strategies and Techniques' held on 9 February 2023 at CIT Gubbi. The Chief Guest and Speaker of the session, Dr B T Sampath Kumar, Professor in the Department of Studies and Research in Library & Information Science at Tumkur University, Tumkur, engaged with faculty members and students throughout the session. He emphasized the importance of research and its ethical considerations, addressing the challenges one may encounter in their career. The event covered various topics such as the publication of quality research papers, bibliographic/citation databases, research tools and techniques, academic social sites, H-Index, Impact Factor, author profile creation, and NIRF rankings.

Vallabh Vidyanagar

Organized a Seminar on 'IBM Skillbuild for Job Seekers' held on 14 February 2023 in Vallabh Vidyanagar. The aim of the Seminar was to raise awareness about the scope and function of IBM CSR Box, which is a part of IBM's Corporate Social Responsibility (CSR) program. The program focuses on environmental sustainability, social responsibility, and ethical governance. IBM SkillBuild offers job seekers the opportunity to acquire the skills needed to succeed in the technology industry. It covers various topics such as cloud computing, data science, artificial intelligence, cyber security, and more. The program provides online courses, hands-on training, networking opportunities, and the chance to obtain industry-recognized certifications. The speaker for the session was Ms. Devika Jagannath, Senior Project Associate at IBM CSR Box.

Organized a Seminar on 'Business Opportunities with Bharat Sanchar Nigam Ltd (BSNL)' held on 15 February 2023 in Vallabh Vidyanagar. The aim of the Seminar was to create awareness about the business opportunities, startup ecosystem, creative thinking, and the importance of entrepreneurial innovation. The Seminar discussed various key points including the different services provided by BSNL, the role of BSNL in generating business ideas, entrepreneurship and startup schemes, and the future plans of BSNL in Fiber and IoT technology. The speaker for the session was Shri Pravin Deshpande, Assistant General Manager at BSNL, Anand.



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

The IEI Engineering Education Excellence Award has been instituted to recognize leading Engineering Educational Institutions and encourage for better and effective engineering education across the country. Significant development has taken place in the engineering education sector which has created benchmarks for the others to follow. Universities and institutions are no longer confined to pedagogy but have also diversified into R&D activities, consultancy, patents, publication, skill development programs, industry interface and the implementation of New Education Policy (NEP), thereby securing India's rightful place globally. Recognizing that such institutions can provide leadership to numerous others in the country, the IEI Council has deemed it appropriate to institute the IEI Engineering Education Excellence Awards.

Applications in specified format (visit link: <https://www.ieindia.org/webui/IEI-Activities.aspx#engineering-education-excellence-award>) are invited from prospective applicants for IEI Engineering Education Excellence Award 2023. The last date of receipt of application for the Award 2023 is **30 September 2023**. Interested applicants are requested to send their applications (Four hard copies & One soft copy in Pendrive/CD) to the below mentioned address.

The Director [Technical (I/C)]
The Institution of Engineers (India)
8 Gokhale Road
Kolkata 700 020



20th SAFETY CONVENTION

Date: September 11-13, 2023 | Venue: Hotel Le-Meridien, New Delhi

Theme: Back to Basics for Strengthening EHS & Sustainable Foundation **SAFETY INNOVATION AWARDS 2023** *for the initiatives undertaken for introducing concepts of awareness and culture in operations in the fields of* **OCCUPATIONAL SAFETY, HEALTH & ENVIRONMENT**

For more details and to download form please visit website: www.sqfiee.in

20th SAFETY CONVENTION

The objective of 20th Safety Convention is to ensure that the new generation is capable of integrating fundamental safety management practices with artificial intelligence, machine learning and other advanced technologies to mitigate evolving risk, it has been imperative to re-emphasize and remind our youth on basics of EHS management.

Call for Papers

Submission of Full Length Paper : July 10, 2023
Acceptance of Paper : July 25, 2023

Participation Fees

Delegate Rs. 11,800/- each including GST

Early Bird Discount of : 15% for registering before June 30, 2023
10% discount for registering more than 7 delegates from single Unit/ Organization
10% discount to delegates from participating organizations of previous Safety Conventions.

Registration Fee includes : Participation in all Sessions of the Convention,
Delegate Kit, Buffet Lunch and Tea/Coffee.

Key Sub Themes

- EHS and leadership skills.
- From compliance to competitive advantage.
- Leading sustainability and human capital.
- Collaborating with other industries.
- What we can learn from past incidents.
- Healthier workplaces.
- Future risks, challenges, opportunities Role of Artificial Intelligence for Ensuring Sustainable & Safe Future.
- Role of Artificial Intelligence in Ensuring Industrial Safety.
- Artificial Intelligence in Cyber Safety & Security.
- Transportation Safety.
- Construction Safety.
- Energy Safety.
- Public Safety- Environment & Food Safety.
- Chemical & Fire Safety.

Rates for advertisement in the Souvenir

Category	Registration Fee (including GST)
Back Cover	Rs. 1,05,000/- (3 delegates Complimentary)
Inner Cover	Rs. 78,750/- (2 delegates Complimentary)
Full Page - Colour	Rs. 42,000/-
Half Page - Colour	Rs. 21,000/-

Sponsorship Options

Category of Sponsors

Gold Sponsor

Silver Sponsor

Bronze Sponsor

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IEI DIARY



Aerospace Engineering Division

Thirty-sixth National Convention of Aerospace Engineers on **"SPACE - Boundless Opportunities - Transforming Lives"**

Bangalore, September 01-02, 2023

The Honorary Secretary, IEI, Karnataka State Centre, No.3, Dr B R Ambedkar Veedhi, Bangalore 560001, [☎: (080) 22264698, Telefax: 080-22256191, E-mail: karnatakasc@ieindia.org, Website:www.ieiksc.org]

Agricultural Engineering Division

All India Workshop on **"Agricultural Entrepreneurship and Sustainable Natural Farming"**

Chennai, 31 August - 1 Sept, 2023

The Honorary Secretary, IEI, Tamilnadu State Centre, No. 19, Swami Sivananda Salai, Chempauk, Chennai 600005 [☎: 044-25360614 /9962950333, E-mail : tnscc@ieindia.org, Website : www.ieitnsc.org]

Thirty-fifth National Convention of Agricultural Engineers **"Emerging Technologies for Advances in Agriculture and Horticulture"**

Jabalpur, September 12-13, 2023

The Honorary Secretary, IEI, Jabalpur Local Centre, Vishvesvaraya Marg, South Civil Lines, In front of Old RTO Office, Jabalpur 482001 [☎: 0761-2678929, E-mail: jabalpurc@ieindia.org]

Chemical Engineering Division

Thirty-eighth National Convention of Chemical Engineers on **"Digitization of Chemical Process Industry"**

Tiruchirappalli, September 07-08, 2023

The Honorary Secretary, IEI, Tiruchirappalli Local Centre, Near Ganesa Bus Stop, BHEL Main Office Road, Opposite to 79 Building, Tiruchirappalli 620014 [☎: 0431-2554285 /2574022, E-mail: tiruchirappallilc@ieindia.org]

All India Seminar on **"Innovative Trends and Aspects of Nanotechnology: Fueling the Chemical Industry's Future"**

Coimbatore, September 21-22, 2023

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

Civil Engineering Division

One Day Seminar on **"Remote Sensing & GIS Application in Flood Mapping, Monitoring and Flood Damage Assessment"**

Coimbatore, July 14, 2023

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

All India Seminar on **"Repair, Rehabilitation and Retrofitting of RCC Structures"**

Coimbatore, August 24-25, 2023

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

All India Seminar on **"Net Zero Energy and Net Zero Carbon Building Design"**

Bangalore, September 28-29, 2023

The Honorary Secretary, IEI, Karnataka State Centre, No.3, Dr B R Ambedkar Veedhi, Bangalore 560001, [☎: (080) 22264698, Telefax: 080-22256191, E-mail: karnatakasc@ieindia.org, Website:www.ieiksc.org]

Thirty-eighth National Convention of Civil Engineers on **"Water Management for Sustainability using Emerging Technologies"**

Belagavi, October 08-09, 2023

The Honorary Secretary, IEI, Belagavi Local Centre, Er S G Balekundry Marg, Shivabasava Nagar, Belagavi 590010 [☎: 0831-2470258, Mobile: 9141384358, E-mail : belagavilc@ieindia.org, Website: www.ieilbelagavi.org]

All India Seminar on **"Advancement in Irrigation, Drinking Water Supply, Factory use and Sanitation Projects using Pressurized System"**

Jabalpur, November 25-26, 2023

The Honorary Secretary, IEI, Jabalpur Local Centre, Vishvesvaraya Marg, South Civil Lines, In front of Old RTO Office, Jabalpur 482001 [☎: 0761-2678929, E-mail: jabalpurc@ieindia.org]

Computer Engineering Division

All India Workshop on **"Driving Digital Transformation Through Data, AI and Machine Learning"**

Kanchepuram, July 05-06, 2023

The Honorary Secretary, IEI, Kanchepuram Local Centre, Agni College of Technology – ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [Email: kanchepuramlc@ieindia.org]

All India Seminar on **"AIOT Enabled Smart Health Care Systems"**

Hosur, July 20-21, 2023

The Honorary Secretary, IEI, Hosur Local Centre, No.69, Kamaraj Nagar, Kumudapall, Near Adhiyamaan College of Engineering, Hosur 635109, Tamilnadu [Email: hosurc@ieindia.org]

All India Workshop on **"Microsoft Power Bi Desktop for Data Analysis and Data Visualization"**

Kanchepuram, July 26-27, 2023

The Honorary Secretary, IEI, Kanchepuram Local Centre, Agni College of Technology – ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [Email: kanchepuramlc@ieindia.org]

All India Seminar on **"Front end Application Development using HTML CSS, Javascript and Reactjs"**

Kattankulathur, July 27-28, 2023

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 **"Embedded System Design in Automotive Electronics"**

Kattankulathur, August 07, 2023

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 **"Swarm Intelligence for Next Generation Networks"**

Coimbatore, August 17-18, 2023

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

One Day Seminar on **"Machine Learning and Deep Learning using Python"**

Durgapur, August 22, 2023

The Honorary Secretary, IEI, Durgapur Local Centre, Nehru Avenue, B-Zone, Durgapur 713205, [☎: 0343-2564770, E-mail: durgapurc@ieindia.org; Website: www.ieidurgapurc.org]

One Day Seminar on **"Data Analytics Implementation"**

Coimbatore, August 22, 2023

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

All India Seminar on **"Artificial Intelligence and Data Science in Environmental Sensing"**

Tiruchirappalli, August 24-25, 2023

The Honorary Secretary, IEI, Tiruchirappalli Local Centre, Near Ganesa Bus Stop, BHEL Main Office Road, Opposite to 79 Building, Tiruchirappalli 620014 [☎: 0431-2554285 /2574022, E-mail: tiruchirappallilc@ieindia.org]

All India Seminar on **"Hands on Practice on IoT"**

Chandigarh, August 25-26, 2023

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, Website:www.ieichd.org]

One Day Seminar on **"Artificial Intelligence with Reference Data Science and Machine Learning"**

Agra, August 26, 2023

The Honorary Secretary, IEI, Agra Local Centre, IEI, Room No-G3, Faculty of Engineering & Technology, Agra College, Agra 282002 [☎: 812689221, Email: agralc@ieindia.org]

One Day Seminar on **"Embedded System Design in Automotive Electronics"**

Kattankulathur, August 28, 2023

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 **"Protection of Data and Privacy Within Distributed System"**

Ranchi, September 23-24, 2023

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]

All India Workshop on **"Building ChatGPT Messenger using Nextjs"**

Kattankulathur, September 28-29,, 2023

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]

Thirty-sixth National Convention of Computer Engineers on **"Blockchain Technology for Artificial Intelligence of Things (AIoT)"**

Salem, October 17-18, 2023

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: salemic@ieindia.org; Website: www.ieisl.com]

All India Seminar on **"Integration of Cloud Computing and Internet of Things (IoT)"**

Kanchepuram, October 18-19, 2023

The Honorary Secretary, IEI, Kanchepuram Local Centre, Agni College of Technology – ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [Email: kanchepuramc@ieindia.org]

International Conference on **"Sustainable Governance and Economic Development through IT Enabled Industry 5.0"**

Kolkata, November 23-24, 2023

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: 033-22238914, Fax: 033-22233140, E-mail:wbsc@ieindia.org]

All India Three Days Workshop on **"Competitive Programming and System Design"**

Kattankulathur, February 7-9, 2024

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]

Electrical Engineering Division

All India Seminar on **"Electric Vehicles Fault Diagnosis Service and Maintenance"**

Kattankulathur, July 12-13, 2023

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 Workshop on **"An Awareness Workshop on Energy Management and Audit"**

Kanchepuram, July 17-18, 2023

The Honorary Secretary, IEI, Kanchepuram Local Centre, Agni College of Technology – ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [Email: kanchepuramc@ieindia.org]

All India Seminar on **"Mobilizing Renewable Energy for Battery Swapping, G2V And V2G Charging Stations in India"**

Kattankulathur, July 21-22, 2023

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 Workshop on **"Role of IoT in Smart Grid Technology and Applications"**

Hosur, August 03-04, 2023

The Honorary Secretary, IEI, Hosur Local Centre, No.69, Kamaraj Nagar, Kumudepall, Near Adhiyamaan College of Engineering, Hosur 635109, Tamilnadu [Email: hosuric@ieindia.org]

All India Seminar on **"Wireless Charging Technologies for Electric Vehicle Applications"**

Kattankulathur, August 03-04, 2023

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 **"Technological Advancement and Challenges in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles"**

Hosur, August 29-30, 2023

The Honorary Secretary, IEI, Hosur Local Centre, No.69, Kamaraj Nagar, Kumudepall, Near Adhiyamaan College of Engineering, Hosur 635109, Tamilnadu [Email: hosuric@ieindia.org]

All India Seminar on **"Artificial Intelligence and Machine Learning Applications in Electrical Engineering"**

Tiruchirappalli, September 20-21, 2023

The Honorary Secretary, IEI, Tiruchirappalli Local Centre, Near Ganesa Bus Stop, BHEL Main Office Road, Opposite to 79 Building, Tiruchirappalli 620014 [☎: 0431-2554285 /2574022, E-mail: tiruchirapallilc@ieindia.org]

All India Seminar on **"Operation and Control of Solar PV Electric Conversion Systems"**

Tiruchirappalli, October 03-07, 2023

The Honorary Secretary, IEI, Tiruchirappalli Local Centre, Near Ganesa Bus Stop, BHEL Main Office Road, Opposite to 79 Building, Tiruchirappalli 620014 [☎: 0431-2554285 /2574022, E-mail: tiruchirapallilc@ieindia.org]

Thirty-eighth National Convention of Electrical Engineers on **"Systemic Electric vehicle Adoption in India including EV Charging - Implementation Roadmap, Regulatory Framework, Infrastructure Development, Technical Challenges & Case Studies"**

Shimla, November 24-25, 2023

The Honorary Secretary, IEI, Himachal Pradesh State Centre, Engineers Bhawan, Nigam Vihar, Shimla 171002 [☎: 0177-2623736, E-mail: hpsc@ieindia.org, Website: hpiei.org]

Thirty-ninth National Convention of Electrical Engineers on **"Green Hydrogen, Electric Vehicle and Energy Storage System"**

Chennai, May 24-25, 2024

The Honorary Secretary, IEI, Tamil Nadu State Centre, No. 19, Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: 044-25360614 /9962950333, E-mail: tnscc@ieindia.org, Website : www.ieitnsc.org]

Electronics and Telecom. Engg. Division

One Day Seminar on **"Future Technologies and its Impact on Humans and Society"**

Bathinda, August 19, 2023

The Honorary Secretary, IEI, Bathinda Local Centre, Kartar Colony, Behind Deaf & Dumb School, Goniana Road Bathinda 151 003 [☎: 0164-3293900, Email: bathindalc@ieindia.org]

All India Workshop on **"Real Time Applications of Image Processing : AI, MI and Computer Vision"**

Tiruchirappalli, August 25-26, 2023

The Honorary Secretary, IEI, Tiruchirappalli Local Centre, Near Ganesa Bus Stop, BHEL Main Office Road, Opposite to 79 Building, Tiruchirappalli 620014 [☎: 0431-2554285 /2574022, E-mail: tiruchirapallilc@ieindia.org]

One Day Seminar on **"Embedded Systems using Internet of Things"**

Visakhapatnam, August 28, 2023

The Honorary Secretary, IEI, Visakhapatnam Local Centre, Office Address:43-18-22, Visvesvaraya Bhavan, Before Railway Station Road, Beside Flyover, Venkatarajunagar, Visakhapatnam 530016 [☎: 0891-2947460, Email: visakhapatnamlc@ieindia.org]

All India Workshop on **"Sensors and IoT for Smart Health Care"**

Kattankulathur, August 30-31, 2023

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 **"The Impact of Quantum Computing on Society and the Economy :Unlocking New Possibilities"**

Coimbatore, September 04-05, 2023

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

Thirty-eighth National Convention of Electronics & Telecommunication Engineers on **"Hyper Connectivity Applications of Next Generation Communications"**

Kochi, October 27-28, 2023

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

Environmental Engineering Division

All India Seminar on **"Engineering Techniques – Integrated Approach for Waste Management"**

Hyderabad, July 14-15, 2023

The Honorary Secretary, IEI, Telangana State Centre, 6-2-910, "Visvesvaraya Bhavan", Khairatabad, Hyderabad 500004, Telangana [☎: 040-23314969/23373087/23370779, E-mail: telanganasc@ieindia.org, Website: www.ieitssc.org. in

One day Seminar on **"Microplastic Accumulation Prediction using ML"**

Coimbatore, 28 July, 2023

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

All India Seminar on **"Forest Clearance and Environmental Clearance: Issues relating to Ease of Doing Business"**

Jharkhand, August 12-13, 2023

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]

All India Seminar on **"Cost-Effective and Emerging Effluent Treatment Technologies"**

Durgapur, August 19-20, 2023

The Honorary Secretary, IEI, Durgapur Local Centre, Nehru Avenue, B-Zone, Durgapur 713205, [☎: 0343-2564770, E-mail: durgapurc@ieindia.org; Website: www.ieidurgapurc.org]

All India Seminar on **"Sustainable & Green technologies for Industries"**

Bokaro, August 26-27, 2023

The Honorary Secretary, IEI, Bokaro Steel City Local Centre, Abhiyanta Bhawan, Sector V-A, Bokaro Steel City, 827006 [☎: 06542-363262, E-mail: bokarolc@ieindia.org, Web: www.ieibsccl.org]

Thirty-seventh National Convention of Environmental Engineering on **"Eco-friendly & Sustainable Approaches for Landslide and Land Subsidence Management in Hilly Regions"**

Shimla, September 15-16, 2023

The Honorary Secretary, IEI, Himachal Pradesh State Centre, Engineers Bhawan, Nigam Vihar, Shimla 171002 [☎: 0177-2623736, E-mail: hpssc@ieindia.org, Website: hpiei.org]

All India Seminar on **"Advanced Instrumentation for Assessment of Soil Health Indicators, Pollution and Greenhouse gas Emission from Soil"**

Coimbatore, 16-17 Nov, 2023

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

Marine Engineering Division

One-day Seminar on **"Future Technologies, Human Resources Development and Entrepreneurship in Marine Industry"**,

Chennai, July 22, 2023

The Honorary Secretary, IEI, Tamilnadu State Centre, No. 19, Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: 044-25360614 /9962950333, E-mail: tnscc@ieindia.org, Website : www.ieitnsc.org]

Thirty-fifth National Convention of Marine Engineers on **"Recent Advances in Marine Engineering and Marine Systems"**

Kanchipuram, August 25-26, 2023

The Honorary Secretary, IEI, Kanchipuram Local Centre, Agni College of Technology – ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [Email: kanchipuramc@ieindia.org]

International Conference on **"Industry 4.0 for Eco-friendly Marine Solutions"**

Colombo, November 17-18, 2023

The Honorary Secretary, IEI, Himachal Pradesh State Centre, Engineers Bhawan, Nigam Vihar, Shimla 171002 [☎: 0177-2623736, E-mail: hpssc@ieindia.org, Website: hpiei.org]

Mechanical Engineering Division

One Day Workshop on **"Scope for Mechanical Engineers in HVAC and R Sector"**

Puducherry, July 10, 2023

The Honorary Secretary, IEI, Puducherry State Centre, No.63, Nethaji Subash Chandra Bose Salai, Ground Floor, PWD Campus, Puducherry 605001 [Mobile: 9489766701/9443748471, Email: puducherryesc@ieindia.org, Website:www.ieipsc.org]

All India Seminar on **"Advances in Nanotechnology for Sustainable Development"**

Puducherry, September 04-05, 2023

The Honorary Secretary, IEI, Puducherry State Centre, No. 63, Nethaji Subash Chandra Bose Salai, Ground Floor, PWD Campus, Puducherry 605001 [Mobile: 9489766701/9443748471, Email: puducherryesc@ieindia.org, Website: www.ieipsc.org]

One Day Seminar on **"Thermal Power Plant Bottom Ash - Sustainable Utilization for Tomorrow"**

Kolkata, July 28, 2023

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: 033-22238914, Fax: 033-22233140, E-mail: wbscc@ieindia.org]

All India Seminar on **"Role of Mechanical Engineers for Mitigating Climate Change"**

Guwahati, August 19-20, 2023

The Honorary Secretary, IEI, Assam State Centre, East Lane, Panbazar Overbridge, Panbazar, Guwahati 781001 [☎: 0361-2548742, E-mail: assamsc@ieindia.org, Website: www.ieiasc.org]

Thirty-eighth National Convention of Mechanical Engineers on **"Emerging Trends and Developments in Smart Manufacturing , Renewable Energy and Mechanical Systems Diagnostics/Design"**

Nagpur, September 08-09, 2023

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

All India Seminar on **"Solar Energy and Thermal Storage for Sustainable Environment"**, Kattankulathur,

September 21-22, 2023

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 **"Advancements, Challenges and Opportunities in Electric Vehicles"**

Coimbatore, September 26-27 2023

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

All India Seminar on **"Interfacing Mechanical Engineering with Artificial Intelligence and Machine Learning"**

Coimbatore, October 10-11, 2023

The Honorary Secretary, IEI, Coimbatore Local Centre,

PSG Tech Campus, Peelamedu, Coimbatore, Tamilnadu 641004 [☎: 0422-2580733, E-mail: coimbatorelc@ieindia.org, Website: www.ieicoimbatore.org]

Metallurgical & Materials Engineering Division

One day Seminar on **"Innovations and Entrepreneurship Opportunities in Foundries for Sustainable Products"**

Coimbatore, 27 July 2023

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

All India Seminar on **"Optimizing the Demand of Material Science with the help of Recent Technologies"**

Chennai, 28-29 July, 2023

The Honorary Secretary, IEI, Tamil Nadu State Centre, No. 19, Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: 044-25360614 /9962950333, E-mail : tnscc@ieindia.org, Website : www.ieitnsc.org]

One-day Seminar on **"Metal casting Technology: the Backbone of Futuristic Manufacturing"**

West Bengal, August 05, 2023

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: 033-22238914, Fax: 033-22233140, E-mail: wbscc@ieindia.org]

International Conference on **"Digitization and Advancements in Materials and Metallurgical Industries"**

Jaipur, August 19-20, 2023

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

All India Seminar on **"Smart Materials for Future Applications"**

Chennai, 25-26 August, 2023

The Honorary Secretary, IEI, Tamil Nadu State Centre, No. 19, Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: 044-25360614 /9962950333, E-mail : tnscc@ieindia.org, Website : www.ieitnsc.org]

All India Seminar on **"Advanced Material Synthesis - Characterization and Application"**

Puducherry, 06-07 Oct, 2023

The Honorary Secretary, IEI, Puducherry State Centre, No. 63, Nethaji Subash Chandra Bose Salai, Ground Floor, PWD Campus, Puducherry 605001 [Mobile: 9489766701/9443748471, Email: puducherryesc@ieindia.org, Website:www.ieipsc.org]

Thirty-sixth National Convention of Metallurgical & Materials Engineers on **"Green Composites, the New-generation Sustainable Composite Materials: Specific Features and Applications"**

Kolkata, November 17-18, 2023

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: 033-22238914, Fax: 033-22233140, E-mail: wbscc@ieindia.org]

Mining Engineering Division

Thirty-third National Convention of Mining Engineers on **"Amended Mines Regulations and its Impact on Mining Industry"**

Bangalore, August 11-12, 2023

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PGDM Infrastructure Management - Any recognised Bachelor's Degree in Engineering / Technology degree with a minimum 50% marks or equivalent in CGPA grading system

PGDM General Management - Any recognised Bachelor's Degree in Arts, Commerce, Science, Management or any equivalent degree with a minimum 50% marks or equivalent on CGPA grading system

PGDM ISE Management - Any recognised Bachelor's Degree in Engineering / Technology OR Science Graduate with Physics, Chemistry & Mathematics as Main Subjects will be considered

Qualifying Exam - Candidate with qualified score in CAT/MAT/ATMA/XAT/CMAT/ICET or any other state-level Management Aptitude Test. As per AICTE guidelines.

SELECTION PROCESS

Group Discussion, Personal Interview and qualified score in any Management Aptitude Test.

For Further Details : **ESCI BUSINESS SCHOOL**

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CREATING MANAGERS TO MAKE THE WORLD A PLACE FOR QUALITY LIVING



The Institution of Engineers (India)

IEI Industry Excellence Award 2023

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 2023. The last date of receipt of application for the Award 2023 is **30 September 2023**. Interested applicants are requested to send their applications (Two hard copies & One soft copy in Pendrive/CD) to the below mentioned address.

The Director [Technical]

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

IEI DIARY

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The Honorary Secretary, IEI, Karnataka State Centre, No.3, Dr B R Ambedkar Veedhi, Bangalore, 560001 [☎: (080) 22264698, Telefax: 080-22256191, E-mail: karnatakasc@ieindia.org, Website: www.ieiksc.org]

Production Engineering Division

Thirty-seventh National Convention of Production Engineers on **"Recent Trends and Future Direction in Production Engineering and Management: Vision 2030"**

Kolkata, August 18-19, 2023

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: 033-22238914, Fax: 033-22233140, E-mail: wbsc@ieindia.org]

All India Workshop on **'CNC Programming & Practice through MASTERCAM/SeeNC Software on 5 Axis CNC Machine'**

Kattankulathur, July 27-28, 2023

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 Workshop on **"Hands-on Robot Simulation, Programming and Execution using Real Time Robot"**

Kanchepuram, August 17-18, 2023

The Honorary Secretary, IEI, Kanchepuram Local Centre, Agni College of Technology – ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [Email: kanchepuramlc@ieindia.org]

One Day Workshop on "Laser-based Processing: Advancements and Applications in Modern Manufacturing"

Ranchi, 08 October 2023

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]

Thirty-eighth National Convention of Production Engineers on **"Green and Bio-inspired Manufacturing – The Way Forward"**

Bareilly, June 28-29, 2024

The Honorary Secretary, IEI, Bareilly Local Centre, 44, Camphor Estate Colony, Near Champhor Hospital, Rampur Road, C B Ganj, Bareilly 243502, Uttar Pradesh [Mobile: 9634953691, Email: bareillylc@ieindia.org]

Textile Engineering Division

One day Seminar on "Recent Trend in Yarn and Fabric Manufacturing"

Coimbatore, 17 July, 2023

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

One day Seminar on **"Precision and Smart Technologies in Textiles"**

Kolkata, 24 July 2023

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: 033-

22238914, Fax: 033-22233140, E-mail: wbsc@ieindia.org]

Thirty-sixth National Convention of Textile Engineers on **"Smart Textile"**

Chennai, September 29-30, 2023

The Honorary Secretary, IEI, Tamil Nadu State Centre, No. 19, Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: 044-25360614 / 9962950333, E-mail: tnsc@ieindia.org, Website : www.ieitnsc.org]

Interdisciplinary Coordination Committee

One Day Seminar on **"Innovation Conclave"**

Durgapur, August 6, 2023

The Honorary Secretary, IEI, Durgapur Local Centre, Nehru Avenue, B-Zone, Durgapur 713205, [☎: 0343-2564770, E-mail: durgapurlc@ieindia.org; Website: www.ieidurgapurlc.org]

All India Seminar on **"Artificial Intelligence and IoT in Agriculture and Food Industry 4.0"**

Rourkela, August 12-13, 2023

The Honorary Secretary, IEI, Rourkela Local Centre, National Institute of Technology Campus, Roukela 769008, Odisha [☎: 0661-2472709, E-mail: rourkelalc@ieindia.org]

All India Seminar on **"Green Technologies for Sustainable Development"**

Pune, September 02-03, 2023

The Honorary Secretary, IEI, Pune Local Centre, Abhiyanta Bhavan, 1332 J M Road, Shivajinagar, Pune 411005 [☎: 020-25533376 / 25520239 (Admin Incharge: 8380042746), E-mail: punelc@ieindia.org; Website: www.ieipune.org]

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