

IEI NEWS

August 2022

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A CENTURY OF SERVICE TO THE NATION

Volume 29

Number 5

Report of 30th FEIAP GA and 6th FEIAP International Convention



The 30th FEIAP General Assembly and the 6th FEIAP International Convention on the theme 'Engineering Education, Accreditation and Mobility Geared Towards Industry 5.0', was held at Cebu Island, Philippines during 27-29 July 2022 hosted by the Philippines Technological Council (PTC) which is the national member of the World Federation of Engineering Organizations (WFEO) for the Philippines.

The Institution of Engineers (India), a member organization of FEIAP, had participated in the event. The delegation comprised of Dr Hemant O Thakare, President, IEI (who is also the Chairman of FEIAP Standing Committee on Information and Communication Technology (ICT), Er Narendra Singh, Immediate Past President, IEI and Mr Navinchandra B Vasoya, Past President, IEI and Member, FEIAP-ICT. The IEI delegation headed by President, IEI played a crucial role in the

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Eighteenth Safety Convention under the Aegis of Safety and Quality Forum, IEI

Safety for Sustainable Development

The Safety and Quality Forum of The Institution of Engineers (India) organized the Eighteenth Safety Convention on the theme **Safety for Sustainable Development**,



jointly with Delhi State Centre, IEI on March 10, 2022 at Hotel Le Meridien, New Delhi. Prof (Dr) D P Agrawal, Former Chairman, Union Public Service Commission graced the function as Chief Guest. Dr H O Thakare, President IEI presided over the function. At the beginning, Mr Dinesh Kumar, Chairman, Safety and Quality Forum, IEI welcomed the Guests, Speakers, dignitaries and delegates and mentioned that Safety & Quality Forum decided to organize the Eighteenth Safety Convention on the said theme acknowledging the fact that the emerging challenges in the global competitive society are linked to future sustainable development perspectives. Mr Kumar further mentioned that reversing the use of

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From the President's Desk.....



As one of the leading agricultural producers globally and with one of the largest arable lands worldwide, agriculture is the mainstay of Indian economy and employs nearly half of the nation's population. But in light of a burgeoning population and looming food security crisis, it is imperative for India to increase its crop production by leveraging sustainable, high-tech and smart farming practices. Moreover, in the wake of climate change, depletion of natural resources and an imminent food crisis, India must move beyond labour intensive farming towards capital intensive farming, from traditional farming towards precision farming, which essentially involves application of advanced technologies to minimize production costs and maximize farm productivity, profitability, and sustainability. Precision agriculture focuses on deploying the right inputs at the right time and right place in the right manner and undertakes a comprehensive approach to maintaining field and soil well being in a way that elevates the quality and quantity of yield while minimizing environmental harm. The philosophy of smart and precision farming involves use of modern technology to reduce waste and enhance the quality and quantity of agricultural products. It offers the best solution to increase agricultural productivity, national revenue and also improves the quality of working life of farmers. The software managed and sensor-monitored technology provides advanced information regarding tracking, monitoring, automating and analyzing farming operations in commercial agricultural sectors.

Ministry of Agriculture, Government of India has embarked upon number of smart agriculture initiatives, which include, introduction of AI based crop yield prediction model, AI based sensor and drones for monitoring land, soil and crop health, automated irrigation practices, temperature, moisture etc. Further, to integrate digital and physical infrastructure in a cost effective manner, agro-based tech driven start ups have taken the centre stage to provide the necessary technical support to the farmers regarding different smart farming techniques.

IEI is celebrating the 55th Engineers Day on 15 September 2022 on the theme, 'Smart Engineering for a Better World' to take a stock of different capacity building initiatives undertaken in crucial sectors, including agriculture to achieve Sustainable Development Goals in a phased manner.

The benefits of smart farming and precision agriculture should percolate to the farming community to bring in transformation in farming practices to increase yields, through enhanced productivity, improved resilience and minimum environmental impact.

Safety for Sustainable Development

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natural resources, the degradation of ecosystems and the disruption of the environmental systems that support human life, are critical for the benefit of current and future generations.

Dr S K Singh, Chairman, Delhi State Centre, IEI in his address stated that the objective of Safety Convention is to provide excellent opportunities for the stakeholders to deliberate and clarify the pertinent issues of critical importance and to build a Global Environment, Health and safety Standard in all organizations in order to achieve comprehensive sustainable development. Mr R N Rajpoot, Immediate Past Chairman, Safety and Quality Forum, IEI, while speaking on the theme, emphasized on increased focus on environmental sustainability as the key factor for the future health of Mother Earth. Dr H O Thakare, President, IEI in his address congratulated Safety & Quality Forum for taking initiative in propagating the agenda of Safety & Sustainability through this platform. He mentioned that the key focus behind safety & sustainability is the safety to conserve human resources and sustainability for conserving environmental resources. Stressing on the integration of safety and sustainability, Dr Thakare mentioned that it is only possible by developing organizational culture wherein importance are equally given to safety and sustainability. Chief Guest of the function, Prof D P Agrawal, in his address mentioned that India has set Sustainable Development Goals to achieve sustainability in major domains and accordingly, different course of actions have been implemented, which include shifting from coal based power plant to the alternate source of energy; shifting from labour intensive technology to advanced technology etc. Prof Agrawal expressed his concern about least focus on safety measures and growing number of road accidents in India. He opined that IEI should take the lead in creating safety awareness in the country. He stressed on introducing subjects on Safety in education curriculum to propagate the culture of Safety. The inaugural session ended with a vote of thanks presented by Mr Praveen Kumar Singh, Director, Safety & Quality Forum, IEI.

During the Plenary Session on the theme, 'Safety for Sustainable Development', Dr R K Bhandari, Former Senior Advisor, CSIR presented his lecture on the topic 'Safety and Sustainability in Reuse of Treated Sewage'; Prof (Dr) Atul K Mittal, President, Sustainability Professionals deliberated on 'Safety and Sustainability in Reuse of Treated Sewage'; Mr Purushottam Uttarwar, Former Adviser and Additional Commissioner (Planning) Delhi Development Authority delivered his presentation on 'Safety & Sustainability in Urban Settlements'; Mr Amit Kumar Das, Council Member & Chairman CPDB, IEI and AGM (IT), Air India delivered lecture on 'Safety Practices for Digital World'. Mr J C Singhal, Council Member and Chairman, Environmental Engineering Division Board, IEI chaired the Session and Mr Ambrish Saurikhia, Senior Principal Scientist, CSIR coordinated the session.

During the Technical Session on the theme, 'Achieving Excellence for Safe Industrial Operating Practices', Mr Vinod Kumar, Additional Vice President, Quality Assurance Department, BSES, Rajdhani Power Limited and Mr Raman Kumar Sharma, Technical Officer, Pressure, Vacuum and Ultrasonic Metrology Section, CSIR-National Physical Laboratory, New Delhi delivered lecture on 'Introduction to the Various Safety Measures Associated in Pressure Laboratory at CSIR-NPL'; Mr Ajaya Kumar Harit, Director, Aayka Waterproofers Private Limited spoke on 'Entrapped Dampness - the CANCER of RCC Structures: It's Reasons, Impact, Significance and Solutions'. The session was chaired by Pradeep Chaturvedi, Founder Chairman, Safety & Quality Forum, IEI and Former Council Member, IEI and co-chaired by Dr HRP Yadav, Former Secretary & Director General, IEI, & Mr G P Kumawat, Former Executive Director, Safety & HR, Pragati Power Limited, New Delhi.

During the valedictory function, Vice Admiral (Retd) K O Thakare, AVSM, Past President, IEI was the Chief Guest. Mr R R Tanwar, Council Member and Member, BOG-SQF, IEI; Mr Pradeep Chaturvedi and Mr R N Rajpoot were present on the occasion and addressed the august audience. Earlier, Mr Dinesh Kumar, Chairman, Safety and Quality Forum delivered the welcome address. Maj Gen MJS Syali, VSM (Retd), Secretary & Director General, IEI proposed the vote of thanks.

Report of 30th FEIAP GA and 6th FEIAP International Convention

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conduct of the 10th FEIAP-ICT Meeting held on 29 July, 2022 and provided decisive inputs towards implementation of various plans envisaged by the FEIAP-ICT as well as the activities contemplated by the Committee.

The three-day General Assembly and the Convention commenced with the opening remarks, keynotes and plenary talks that centered on Engineering Education, Accreditation & Mobility, Engineering Sustainability and Circular Economy. In keeping with and highlighting the core topics of this Convention, PTC organized four (04) technical sessions comprising of international and local speakers who are authorities in these fields with significant exposure and experience in these fields. Oral and poster presentations were organized on the second day of the Convention. Focussed Group Discussions were facilitated by the FEIAP Standing Committees.

The 10th FEIAP-ICT Meeting was also organized concurrently with the 30th FEIAP General Assembly which was chaired by Dr Hemant O Thakare, President, IEI. In course of the Meeting, while deliberating on the conduct of free webinars under the aegis of FEIAP-ICT, President, IEI suggested that a list of thrust and emerging areas be identified by the Committee based on which webinars can be conducted by the member economies periodically. The Committee also discussed on the modalities for conducting of webinars/training sessions on chargeable basis. The Chairman, FEIAP-ICT requested inputs of the member economies on the aspects like (1) Finalizing the training modules, and the respective target groups, (2) taking stock of the Training

Venues and facilities available with respective Member Economies needs, (3) Charges for the training based on duration and (4) Modalities for sharing of training fees between the Federation and the host. During the deliberation, the members of IEI delegation brought out that it can facilitate hosting of training in India at its Engineering Staff College of India (ESCI) located at Hyderabad which has world class infrastructure and training facilities. The Chairman invited suggestion from the Member economies for revenue generation for FEIAP. The Committee brought out that the homepage of FEIAP website can be made open to advertisement from interested parties. The FEIAP-ICT Standing Committee, in course of the Meeting, identified the project 'Artificial Intelligence and how to improve global help' and decided to carry out technical activities on the identified topic.

The 30th FEIAP General Assembly was hosted successfully on 29 July 2022 amidst lively discussions among professional engineers regarding technological advances and issues relevant to the practice and advancement of the engineering professions in and around Asia and the Pacific regions in ways that are mutually beneficial in support of the member countries' sustainable socio-economic development objectives. Members of the IEI delegation brought out that the Disaster Awareness and Management Forum of The Institution of Engineers (India) can collaborate with the FEIAP Standing Committee on Natural Disaster and Preparedness towards hosting of various activities on areas of common interest and thereby strengthening our association with the Federation.

Marine Pollution: Imperatives for Sustainable Marine Operations

Marine Engineering Division Board, IEI organized Technical Webinar on the theme **Marine Pollution: Imperatives for Sustainable Marine Operations** on 11 June 2022. Mr Rajendrakumar V Saraf, Chairman, Viraj Envirozing India Private Limited, Pune graced the function as Chief Guest and Cmde Uday Talwelkar (Retd), Technical Advisor, Bharat Forge Limited as Guest of Honour. Mr P Mukundan, Course in Charge, Institute of Marine Engineers (India), Kochi Chapter moderated the session. Mr C E Krishnankutty, Chairman, Institute of Marine Engineers (India), Kochi Chapter briefed on the theme. The programme started with welcome address delivered by Mr P A Salahudheen, Chairman, Kochi Local Centre, IEI. Cdr Dr Bhaskar M Bhandarkar, Chairman, Marine Engineering Division Board, IEI in his address opined that technology and sustainability should run simultaneously. He appealed to the marine engineering fraternity to come forward and formulate suitable strategy to reduce marine pollution and emphasized on more awareness and training of marine engineering workforce to meet the challenges to reduce marine pollution. Dr G Ranganath, Chairman, CATE, IEI in his address stated that healthy oceans and marine ecosystem services underpin the ocean economy, and provide critical support functions upon which human health and well-being depend. Multiple benefits are derived from marine and coastal ecosystems at local, regional and global scales, ranging from pollution control, storm protection, shoreline stabilization and habitats for species, to climate mitigation and food provisioning, he added. Dr H O Thakare, President, IEI opined that the integrity of the ocean ecosystem is under threat; The effects of climate change, such as ocean warming, acidification and oxygen loss; pollution from plastic, chemicals and other human waste; and the impact of overfishing are just a few of them. While global drives such as the reduction in single-use plastics and greenhouse gas emissions are critical for the future of the ocean, there is also an urgent need for action at all levels and for new solutions to break the downward cycle, he added.

Cmde Uday Talwelkar (Retd) spoke on the metamorphic transformation in the harbours. He discussed in detail on contamination of water bodies,



Mr P Mukundan

ocean pollution, various internal and external factors responsible for marine pollution, silting in harbours, different mitigation measures to reduce marine pollution and so on. He explained the effect of plastic pollution, stressed on disposing plastic in a systematic manner and its commercial utilization through recycling. He strongly advocated for discouraging plastic product manufacturing and emphasized on more use of eco-friendly materials onshore and offshore and appealed for its inclusion as a part of CSR agenda. He also explained the importance of ship maintenance and system design modification to reduce marine pollution. He thereafter concluded his lecture with more focus on generic mitigation measure, effective training and workup, effective regulation and strict implementation, good ship and equipment maintenance etc to reduce marine pollution.

Prof Rajendrakumar V Saraf started his lecture with the effect of consumption of resources and subsequent generation of waste and the adverse impact of water transportation on environment. He opined that economic growth results from the consumption pattern of resources, which leads to more consumption of energy and generation of more waste foot print. He stated that coastal and inland mode of transport are very much fuel efficient, environment friendly and more economic compared to rail and roads in terms of carbon footprint generation. He explained the direct, indirect, induced and cumulative environmental impact, effect of change in micro environment and also discussed at a length light and sound pollution in sea, oil spill, generation of solid waste and its impact on sea and marine habitat. He anticipated that marine tourism industry will be soon a major waste generator. He further explained the working principle of battery powered ships and its' impact on environment and went on to explain life cycle assessment of ships, effect of circular economy on ports and maritime shipping and so on. Moderator of the session, Mr P Mukundan summed up the Proceedings of deliberation. An interactive session followed the Technical Session. Mr N Rajan, Honorary Secretary, Institute of Marine Engineers (India), Kochi Branch proposed the Vote of Thanks.



Mr C E Krishnankutty



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IEI Celebrates

World Environment Day 2022

Theme : Only One Earth

World Environment Day was celebrated by the Centres of the Institution all over the country on 5 June 2022. Brief accounts of the celebration as received from various Centres are reported hereunder.

STATE CENTRES

Andaman & Nicobar

Andaman & Nicobar State Centre, IEI observed World Environmental Day on 07 June 2022 in online mode. Speaker of the event, Dr L Anburajan, Scientist-D, National Institute of Ocean Technology (NIOT) spoke on the topic 'NIOT-Enterococcus Faecalis Multiplex PCR Detection Kit – A Process for Detecting Virulent Genes in E Faecalis'. Mr Rajee George, ACF, Department of Environment and Forest, emphasized on more plantation of trees. Earlier, Mr M Sivaramasubramanian, Chairman, Andaman and Nicobar State Centre, IEI welcomed all and at the end, Mr Shajan Thomas, Honorary Secretary, Andaman and Nicobar State Centre, IEI, proposed the vote of thanks.

Haryana

Haryana State Centre, IEI observed World Environment Day on 05 June 2022 through online mode. Keynote speaker of the event was Prof Omvir Singh, Chairman, Department of Geography, Kurukshetra University, Kurukshetra. Ar Amrita Kaur Slatch, DAAD Scholar, Institute of Landscape Architecture, RWTH Aachen University, Germany presented a technical paper on the theme. Earlier, Dr (Ms) Vrinda Krishanlal Gupta, Chairperson, Haryana State Centre, IEI welcomed the Chief Guest and the participants. Mr Ashwani Kumar Sharma, Council Member, IEI was present on the occasion. Mr K C Sethi, Former Vice-President, IEI proposed the vote of thanks.

Jammu & Kashmir



Jammu & Kashmir State Centre, IEI, in association with Government College of Engineering & Technology, Safapora Ganderbal (GCET) & SSM College of Engineering, Parihaspora Pattan observed World

Environment Day on 05 June 2022 at Srinagar. Chief Guest of the event was Prof Shakil Ahmad Romshoo, Vice Chancellor, Islamic University of Science and Technology (IUST), Awantipora and Guest of Honour was Prof M F Wani, Dean, Research & Consultancy, NIT Srinagar. Earlier, Dr Raof Ahmad Khan, Chairman, Jammu & Kashmir State Centre, IEI welcomed the dignitaries, guests and participants. Mr Ferdous Ahad Bhat, Honorary Secretary, Jammu & Kashmir State Centre, IEI, presented the vote of thanks.

Puducherry

Puducherry State Centre, IEI observed World Environment Day on 22 June 2022 at Puducherry. A technical seminar was organized on the occasion on the topic 'Living Sustainably in Harmony with Nature'. Guest Speaker of the event was Dr M P Ramanujam, State Higher Education Council (SHEC), Government of Puducherry. The Seminar was conducted to create awareness amongst the students on environmental pollution and gave

live examples how the ecological changes occurred. Earlier, Prof (Dr) B Radjaram, Chairman, Puducherry State Centre delivered the welcome address. Mr S Thirougnaname, Honorary Secretary, Puducherry State Centre proposed the vote of thanks.

Punjab & Chandigarh

Punjab & Chandigarh State Centre, IEI in association with Department of Life Sciences & Institutions' Innovation Council, B A M Khalsa College, Garshankar observed World Environment Day on 06 June 2022 through online mode. Chief Guest of the event, Prof (Dr) T S Kamal, Former Vice President, IEI addressed the audience and shared his views. Keynote Speaker of the event, Dr Subhrata Mishra, Hindi Science Writer of India discussed on the environmental resources, sustainable life with genetic diversity and biodiversity. Earlier, Mr Sukhviri Singh Mundi, Chairman, Punjab & Chandigarh State Centre, IEI welcomed the Keynote speaker and the guests. At the end, Dr Baljit Singh, Honorary Secretary, Punjab & Chandigarh State Centre, IEI proposed the vote of thanks.

Telangana

Telangana State Centre, IEI observed World Environment Day on 05 June 2022 through online mode. Chief Guest of the event, Dr P G Sastry, Director and Head, Learning and Development, Ramky Group, Hyderabad in his address mentioned that due to pollution and over exploitation, resources are in alarming condition, which have to be safeguarded to develop green economy for sustainable livelihood. Earlier, Mr B Brahma Reddy, Chairman, Telangana State Centre, IEI welcomed the gathering and at the end, Dr G Venkata Subbaiah, Honorary Secretary, Telangana State Centre, IEI proposed the vote of thanks.

Uttar Pradesh



Uttar Pradesh State Centre, IEI observed World Environment Day on 05 June 2022 at Lucknow. Chief Guest of the function, Prof (Dr) Devendra Swaroop Bhargava, Former Professor of IIT Kanpur, IIT Roorkee, MNNIT, Allahabad, AIT Bangkok and Environmental

Advisor to Central Pollution Board, Delhi and Government of Uttar Pradesh for Ardh-Kumbh stressed on permanent living in harmony with nature. Mr Durga Shankar Mishra, Chief Secretary, Government of Uttar Pradesh advised to save of environment, not to use plastic wrappers, plastic water bottles, etc. Mr V B Singh, Vice President, IEI and Mr R K Trivedi, Past Chairman, UP State Centre, IEI were present in the function. Earlier, Mr Masarrat Noor Khan, Chairman, Uttar Pradesh State Centre, IEI welcomed all the guests. At the end, Dr Jaswant Singh, Honorary Secretary, Uttar Pradesh State Centre, IEI proposed the vote of thanks.

Uttarakhand

Uttarakhand State Centre, IEI observed World Environment Day on 05 June 2022 at Dehradun. A Seminar was organised on the topic 'Living Sustainability in Harmony with Nature'. Mr Mukesh Mohan, Engineer-in-Chief, Uttarakhand Irrigation Department graced the function as Chief Guest. Dr Amit Srivastav, HoD, Civil Engineering Department, Graphic Era University and Mr Naveen Singhal, Chief Proctor, DIT University were the Guests of Honour. Mr Mohan in his address focussed on rapid depletion of ground water level and stressed to monitor the recharging source of ground water. He mentioned



that due to deforestation, number of ground water resources are getting dried. Dr Amit Srivastav, deliberated on solid waste management policies and framework for developing nations. Dr Naveen Singhal in his address mentioned

that due to rapid industrialization and urbanization, demand of electricity and petroleum products are increasing rapidly and the natural resources are decreasing day by day. He focussed on more plantations of trees on urgent basis. Earlier, Mr Dharm Chandra, Chairman, Uttarakhand State Centre, IEI welcomed the guests and audience.

West Bengal

West Bengal State Centre, IEI in association with Rural Development Forum, IEI observed World Environment Day on 05 June 2022 at Kolkata. Eminent Speakers of the event were Prof (Dr) Sudipta De, Professor, Mechanical Engineering Department, Jadavpur University, Kolkata and Prof (Dr) Anirban Gupta, Professor, Civil Engineering Department, Indian Institute of Engineering Science and Technology Shibpur. Prof De delivered his lecture on the topic 'Meeting Local Demand of Energy Utilities with Locally Available Renewable Resources: Case Studies for Remote Indian Villages'. Prof Gupta pointed out the menaces of consumerization and accounting of the energy consumption in digitalization. Mr Sandip Kumar Deb, Vice President, IEI and Mr Debananda Basak, Chairman, BOG-RDF, IEI also addressed the gathering. Prof (Dr) Sadhan Chandra Ray, Council Member and Chairman, Textile Engineering Division Board, IEI spoke on the importance of World Environment Day. Earlier, Dr Nirmal Das, Chairman, West Bengal State Centre, IEI welcomed the speakers and audience. Mr Ram Chandra Chakraborty, Joint Honorary Secretary, West Bengal State Centre, IEI proposed the vote of thanks.



LOCAL CENTRES

Alwar

Alwar Local Centre, IEI observed World Environment Day on 05 June 2022 at Alwar. Chief Guest of the function, Dr M P S Chandrawat, Environmentalist and Social Activist spoke on the theme. Mr G P Agarwal, Former AGM, Ashok



Leyland expressed his views on different sources of pollution, their effects and suggested methods to reduce pollution. Earlier, Mr Subhash Chandra Joshi, Chairman, Alwar Local Centre, IEI welcomed the dignitaries and mentioned the importance of measures

for pollution control to save the planet. Mr Raj Deep Sharma, Honorary Secretary, Alwar Local Centre, IEI coordinated the session and at the end, proposed vote of thanks.

Amravati

Amravati Local Centre, IEI in association with Government College of Engineering, Amravati and Indian Water Works Association, Amravati Centre observed World Environmental Day on 09 June 2022 at Amravati.



A lecture was organized on 'Environment and Society: Critical Role of Environmental Sciences in Sustainable Development' on this occasion. Dr Sangeeta Pradeep Ingole, Associate Professor &

Head, Department of Environmental Science, Shri Shivaji Science College, Amravati delivered guest Lecture on the theme and highlighted principal aspects of earth science. She also mentioned that earth and environmental sciences are critical for sustainable development. Earlier, Mr Pradip Ramraoji Khawale, Chairman, Amravati Local Centre, IEI delivered the welcome address. Dr Samir Jaiwantrao Deshmukh, Honorary Secretary, Amravati Local Centre, IEI proposed the vote of thanks.

Belagavi

Belagavi Local Centre, IEI observed World Environment Day on 05 June 2022 through online mode. Keynote Speaker of the event, Prof Vithal H Jadhav, KLE Technological University, Hubballi and Retd Technical Advisor, HDBRTS Co Ltd (AEE, KPW, P & IWT GoK) explained on global warming and its effects on human beings and nature. He advocated the need to maintain ecological balance and protection of the earth from pollution for survival of human beings. Earlier, Mr R T Jangal, Chairman, Belagavi Local Centre, IEI welcomed the participants. At the end, Dr Devendrappa Kenchakkanavar Veeranna, Honorary Secretary, Belagavi Local Centre, IEI proposed the vote of thanks.

Chandrapur

Chandrapur Local Centre, IEI observed World Environmental Day on 05 June 2022 through online mode. Speakers of the event were, Dr Rajkumar Khapekar, Associate Professor & Head, D R B Sindhu Mahavidyalaya, Nagpur; Dr Z J Khan, Principal, Rajiv Gandhi College of Engineering, Research and Technology (RCERT), Chandrapur and Prof M K Shende, Associate Professor, Department of Civil Engineering, RCERT, Chandrapur. Earlier, Mr Madhukar Krushnaji Shende, Chairman, Chandrapur Local Centre, IEI welcomed the guests, other dignitaries and participants. Mr Yogendrasingh D Parihar, Honorary Secretary, Chandrapur Local Centre proposed the vote of thanks.

Dharwad

Dharwad Local Centre, IEI observed World Environmental Day on 07 June 2022 at Dharwad. Chief Guest of the event was Dr M R Patil, Professor of Civil and Environmental



Engineering, KLE Technological University, Hubballi. Mr Vijaykumar Hanamantappa Totiger, Chairman, Dharwad Local Centre, IEI delivered the welcome address and Mr Sidlingappa Sangappa Kerur, Honorary Secretary, Dharwad Local Centre proposed the vote of thanks.

Jodhpur



Jodhpur Local Centre, IEI observed World Environment Day on 05 June 2022 at Jodhpur. Chief Guest of the event was Prof Ajay Kumar Sharma, Vice Chancellor, M B M

University, Jodhpur. Guest of Honour and Keynote Speaker of the event was Prof S K Singh, Head of Department, Civil Engineering, M B M University, Jodhpur. Special Guest and Keynote Speaker of the event was Mr Geetshwar Varshney, Assistant Director, Technical Education, Rajasthan. Earlier, Dr Akhil Ranjan Garg, Chairman, Jodhpur Local Centre, IEI welcomed the guests and audience. At the end, Dr Ghanshyam Prasad Vaishnav, Honorary Secretary, Jodhpur Local Centre, IEI proposed the vote of thanks.

Mangalore

Mangalore Local Centre, IEI observed World Environment day on 7 June 2022 at Mangalore. Speaker of the event, Dr G Srinikathan, Director (Technical Research), NITTE Education Trust Mangalore called upon to achieve the net zero/ carbon neutral with application of energy efficient appliances, avoidance of disposable



plastic, switching off electrical appliances etc. Earlier, Dr Sunil B Malegole, Chairman, Mangalore Local Centre, IEI welcomed all. At the end of the function, Dr Manu B, Honorary Secretary, Mangalore Local Centre, IEI proposed the vote of thanks.

Meerut

Meerut Local Centre, IEI observed World Environment Day on 05 June 2022 at Meerut. Chief Guest of the event was Dr Y S Negi, Former Dean, Saharanpur Campus, IIT Roorkee. Speakers of the event were Dr Abhijit Maiti and Dr Kirtiraj K Gaikwad, IIT Roorkee. Dr Maiti deliberated briefly on water demand, water crisis and water pollution. He further stated that we are withdrawing excessive ground water for the use of industry, agriculture, domestic purpose, resulting in acute ground water crisis. Dr Gaikwad discussed the problems associated with plastic packaging. He further spoke on the application of cellulose which can be extracted from biomass, i.e. agricultural waste. Earlier, Mr Mohan Lal Jain, Chairman, Meerut Local Centre welcomed the dignitaries and at the end, Mr Raj Pal Agarwal, Honorary Secretary, Meerut Local Centre, IEI proposed the vote of thanks.



Munirabad

Munirabad Local Centre, IEI observed World Environment Day on 06 June 2022 in association with Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari at Munirabad. Speaker of the event, Dr T Hanumantha Reddy, Principal, Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari, at Munirabad delivered lecture on the theme. Prof (Dr) Kuppagal Veeresh, Chairman, Munirabad Local Centre stated that UNEP, FAO of the United Nations with the support of another partners will prevent the loss and degradation of ecosystems worldwide and the aims to revive hectares of land covering terrestrial as well as aquatic ecosystems will be achieved.

North Bengal

North Bengal Local Centre, IEI observed World Environment Day on 11 June 2022 at Jalpaiguri. Speaker of the event, Mr Tapan Kumar Roy, Lecturer in Civil Engineering Department, Siliguri Government Polytechnic College, Siliguri stressed on only one earth campaign through collective



environmental action for transformative environmental change on a global scale. Earlier, Mr Chinmoy Ghosh, Honorary Secretary, North Bengal Local Centre, IEI delivered the welcome address and at the end of the session, proposed the vote of thanks.

Palghat

Palghat Local Centre, IEI observed World Environment Day on 05 June 2022 at Palakkad. Chief Guest of the event, Mr Krishnan M N, Environmental Engineer, Kerala State Pollution Control Board, Palakkad stressed on the need to prevent pollution for preserving earth's bio-diversity and the sustainability of living things. He strongly advocated for rejection of single use and disposable plastic products. He further discussed about the health problems due to micro-plastic elements getting included in human food-



chair. Earlier, Mr Madhana Mohan K, Chairman, Palghat Local Centre, IEI welcomed the dignitaries and members and spoke on climatic change, emission of GHG gases from industry and transportation sectors

causing global warming and depletion of ozone layer. He further added that our planet is under threat from man made disasters and suggested preventive measures to be taken to save the Earth. Mr A Ramesh, Immediate Past Honorary Secretary, Palghat Local Centre proposed the vote of thanks.

Ranipet

Ranipet Local Centre, IEI observed World Environment Day on 18 June 2022 in virtual platform. Speaker of the event, Dr S Shanthakumar, Professor & Head, Centre for Clean Environment, VIT Vellore spoke on the reasons of climatic change such as deforestation, over fishing, illegal wildlife trade, air pollution, soil erosion, plastic waste, etc. He advocated for major campaigns/agreements towards earth and environment protection and to put sustainable development on global agenda and establishment of UN Environment Program and World Environment Day; He mentioned global temperature rising with greenhouse gas emission as the major cause of climatic change and opined for preventive measures to be taken by reducing emission, conserve and restore, nature based solutions, and so on. Mr M Salai Manalan, Chairman, Ranipet Local Centre, IEI proposed the vote of thanks at the end of the session.

Roorkee

Roorkee Local Centre, IEI in association with Indian Water Resources Society (IWRs) observed World Environment Day on 13 June 2022 at Roorkee. Keynote Speaker of the session, Dr Anand Sharma, Former Additional DG (SG), India Meteorological Department, New Delhi delivered lecture on



'Global Earth Issues: Climate Hazards, Sustainability and Development' and explained about cloud formation and its role in climate change. He also briefed on the functions of weather forecasting website Mausam Vibhag.

Earlier, Dr Ashish Pandey, Chairman, Roorkee Local Centre, IEI welcomed the guests and deliberated the importance of World Environment Day. At the end, Mr Vineet Kumar Saini, Honorary Secretary, Roorkee Local Centre, IEI proposed the vote of thanks.

Rourkela

Rourkela Local Centre, IEI observed World Environment Day on 05 June 2022 through virtual mode. Speaker of the event, Prof Bhisma Tyagi, Assistant Professor, Department of Earth and Atmospheric Sciences, NIT Rourkela deliberated on climatic change, global warming, catastrophic damages to the society and loss of lives. Mr Tyagi also spoke on air pollution

which directly impacts on health and quality of life. Earlier, Mr Ajay Kumar Goswami, Chairman, Rourkela Local Centre, IEI welcomed the members and guests. Dr Anil Kumar Barik, Joint Honorary Secretary, Rourkela Local Centre proposed the vote of thanks.

Saurashtra

Saurashtra Local Centre, IEI in association with Government Engineering College, Rajkot observed World Environment Day on 06 June 2022 at Rajkot. An expert talk was organized on the occasion. Speaker of the event, Dr Debleena Bhattacharya, Assistant Professor, Department of Environmental Science & Engineering, Marwadi University, Rajkot addressed the audience about Earth, human and environment, ways to save our planet etc. Earlier, Mr Deepak V Suchde, on behalf of Saurashtra Local Centre, IEI welcomed all. At the end, Mr B V Harsoda, Honorary Secretary, Saurashtra Local Centre proposed the vote of thanks.

Tirunelveli

Tirunelveli Local Centre, IEI observed World Environment Day on 17 June 2022 through online mode. Speaker of the event, Dr J Glory Selvamano, Associate Professor and Head, Department of Civil Engineering, Einstein College of Engineering, Tirunelveli, Tamilnadu deliberated on the concept of green building and portrayed important measures to protect the environment during building construction also and spoke on renewable energy sources. Earlier, Prof (Dr) R Velayutham, Chairman, Tirunelveli Local Centre, IEI deliberated welcome address and at the end, Mr Sivaganesh, Joint Secretary, Tirunelveli Local Centre, IEI proposed the vote of thanks.

Trichur

Trichur Local Centre, IEI observed World Environment Day held on 05 June 2022 through virtual mode. Speaker of the event, Dr B Jayaraman Chillayill, Co-founder and MD, EQUINOCT, Kochi expressed his concern over the failure to address climate change. He opined that due to global warming, the chances of cyclonic disturbances would be in the sea in the form of low pressure zones, which results more floods, landslides, heavy rainfall and droughts. Earlier, Prof Sunil Kumar C P, Chairman, Trichur Local Centre, IEI welcomed all the dignitaries and participants. At the end, Dr Kurien E K, Honorary, Trichur Local Centre, IEI proposed the vote of thanks.

Tumakuru



Tumakuru Local Centre, IEI observed World Environment Day on 15 July 2022 at Tumakuru. Chief Guest and Keynote speaker of the event, Dr Suresh Kumar K S, Former Professor and Freelance Educational Consultant discussed on development of smokeless oven. Prof (Dr) Ms Shantala C P, Chairman, Tumakuru Local Centre, IEI chaired the session. Mr Giridhar S Kulkarni, Honorary Secretary, Tumakuru Local Centre, IEI welcomed all and at the end of the session, proposed the vote of thanks.

Udaipur

Udaipur Local Centre, IEI observed World Environment Day on 05 June 2022 at Udaipur. The Chief Guest and Keynote Speaker of the event, Dr Karunesh Saxena, Vice Chancellor, Sangam University, Bhilwara deliberated on UN – Sustainable Development Goals. He also spoke on net zero goal, zero balancing, carbon sink and so on. Guest of Honour of the event, Dr Nihal Chand Jain, Former Principal, Chief



Conservator of Forests, Government of Rajasthan appeal to all to inspire conservation, and stressed to keep water, air clean, conserve water, reduce waste, conserve biodiversity and save energy for future generations. He emphasized on increased use of solar energy, water recycling and recharge, waste minimization to save nature. Earlier, Mr Yawanti Kumar Bolia, Chairman, Udaipur Local Centre, IEI welcomed the Chief Guest and Guest of Honour. At the end, Mr Chandra Prakash Jain, Honorary Secretary, Udaipur Local Centre, IEI proposed the vote of thanks.

Upper Assam

Upper Assam Local Centre, IEI in association with Assam Gas Based Power Station, NEEPCO observed World Environment Day on 05 June 2022 at Bokuloni. Chief Guest of the event was Mr B Goswami, CGM, & Head of Project, AGBPS, NEEPCO, Bokulni. Mr B P Bakshi, Chairman, Assam Productivity Council, Tinsukia and Mr Dibakar Bhattacharjee, Past Chairman, UALC and Former DGM, (IOCL), Digboi delivered speech as Guests of Honour. Guest Speaker of the event was Mr Bhairab Bhuyan, CGM (IT) Oil India Limited, Duliajan. During Technical Session, four papers were presented. Earlier, Mr Sasanka Pratim Deka, Chairman, Upper Assam Local Centre, IEI welcomed the participants.



Vadodara

Vadodara Local Centre, IEI observed World Environment Day on 05 June 2022 at Vadodara. Speakers of the event were Mr Sushil Kumar Sharma, Founder and CEO, Sustaineco and Prof (Dr) Upendra D Patel, Civil Engineering Department, Maharaja Sayajirao University of Baroda. Earlier, Mr Ambikesh Natvarlal Padhya, Chairman, Vadodara Local Centre, IEI delivered the welcome address. At the end of the session, Mr Keyurkant Manibhai Thakkar, Honorary Secretary, Vadodara Local Centre, IEI proposed the



vote of thanks.

Visakhapatnam

Visakhapatnam Local Centre, IEI in association with Raghu Engineering College, Visakhapatnam observed World Environment Day on 05 June 2022 at Visakhapatnam. A technical webinar was organized on the topic 'Environmental Protection – Individual's Responsibility'. Guests of Honour of the event, Dr B Venkataramana, Chairman, Visakhapatnam Local Centre, IEI briefed about the theme. Keynote Speaker of the event, Mr Shashidhar Bairapu, Senior Environmental Officer, Dubai Municipality spoke on the duties and responsibilities of the people for prevention and control of environmental pollution.

Warangal

Warangal Local Centre, IEI observed World Environment Day on 05 June 2022 at Warangal. Chief Guest of the event was Dr K V Jayakumar, Professor of Civil Engineering, NIT Warangal and Guest of Honour of the event was Dr A Kiran Mayee, Principal, Talla Padmavathi College of Engineering, Kazipet. Earlier, Mr M Sambaiah, Chairman, Warangal Local Centre, IEI delivered the welcome address.



IEI Celebrates

World Telecommunication and Information Society Day

2022

Theme: Digital Technologies for Older Persons and Healthy Ageing

World Telecommunication and Information Society Day was celebrated by the Centres of the Institution all over the country on 17 May 2022. Brief Accounts of celebrations as received from various Centres are given hereunder.

STATE CENTRES

Andaman and Nicobar

Andaman and Nicobar State Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Port Blair. Speaker of the event, Dr E Muthu Kumaran, Assistant Professor Department of Electronics and Communication Engineering, Dr B R Ambedkar Institute of Technology (DBRAIT), Port Blair spoke on the prevention of illness and boosting health in all ages via devices and apps such as sensors, monitors, wristwatches and mobiles for continuous health monitoring and feedback. Earlier, Mr M Sivaramasubramanian, Chairman, Andaman and Nicobar State Centre, IEI welcomed the Speaker and the participants. Mr Shajan Thomas, Honorary Secretary, Andaman & Nicobar State Centre, IEI proposed the vote of thanks.

Assam

Assam State Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Guwahati. Mr A K Pahi, CGMT, Assam Circle, BSNL was the Chief Guest, and Smt A Siddiqui, GM, BSNL and Mr B C Nayak, CTO, Reliance Jio were the Guest of honours. Mr R Dutta Choudhury, CTO (Retd) Reliance Jio was the Keynote Speaker. Earlier, Mr Pulak Samrah, Honorary Secretary, Assam State Centre, IEI welcomed all. Mr Nripendra Nath Patwari, Chairman, Assam State Centre, IEI chaired over the session.



Gujarat

Gujarat State Centre IEI in association with Computer Society of India, Ahmedabad Chapter observed World Telecommunication and Information Society Day on 17 May 2022 at Ahmedabad. Chief Guest of the event, Prof (Dr) Ami Upadhyay, Vice Chancellor, Dr Babasaheb Ambedkar Open University, Ahmedabad spoke on the theme of the day. Theme Speaker of the event was Dr Narottam Sahoo, Advisor, Gujarat Council of Science and Technology, Government of Gujarat. Earlier, Mr Pravinkumar Mohanbhai Chaudhari, Chairman, Gujarat State Centre, IEI delivered welcome address and explained the objective and background of the day.



Haryana



Haryana State Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Damla, Yamunanagar. Chief Guest

of the event, Mr Ajay Chhabra, DGM, Bharat Sanchar Nigam Limited, Yamunanagar spoke on the derived benefits of digital technologies by the senior citizens. Dr (Ms) Vrinda Krishanlal Gupta, Chairperson, Haryana State Centre, and Council Member, IEI; Mr K C Sethi, Former Vice President, IEI and Mr A K Sharma, Council Member, IEI were present on the function. Dr (Ms) Vrinda Krishanlal Gupta, delivered the welcome address. At the end, Mr K C Sethi, Former Vice President, IEI presented vote of thanks.

Jharkhand

Jharkhand State Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Ranchi. Dr Sanjay Kumar, Associate Professor, Electronics and Communication Engineering Department, Birla Institute of Technology Mesra was the Chief Guest of the event. Keynote Speaker, Mr Vishal H Shah, Assistant Professor, Electronics and Communication Engineering Department, Birla Institute of Technology Mesra briefed about Energy Orientation, Remote Patient Monitoring and so on. At the end, Mr Manoj Kumar, Honorary Secretary, Jharkhand State Centre, IEI proposed the vote of thanks.



Kerala

Kerala State Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Thiruvananthapuram. Speaker of the event, Dr S Jyothi Sankar, ITS, Former Principal General Manager, BSNL Kerala Telecom Circle, Trivandrum spoke on the theme. Earlier, Mr N Rajkumar, Past Chairman, Kerala State Centre, IEI welcomed the participants. At the end, Mr Roy Mathew, Honorary Secretary, Kerala State Centre, IEI proposed the vote of thanks.



Mizoram

Mizoram State Centre, IEI observed World Telecommunication and Information Society Day on 10 June 2022 through Online Mode. Chief Guest of the event was Dr Gaurav Trivedi, Associate Professor, Department of Electronics and Electrical Engineering, Indian Institute of Technology, Guwahati. Speaker of the event, Dr Ashok Ray, Assistant Professor, Department of ECE, North Eastern Regional Institute of Science and Technology (NERIST) deliberated on the theme and mentioned the advancement of technologies for the aged people. Dr Chinmayee Hazarika, Associate Project Engineer, E&ICT Academy, IIT Guwahati suggested the need for care and monitoring of older persons. Earlier, Mr K Lalsawmvela, Chairman, Mizoram State Centre, IEI welcomed the Chief Guest and the participants. At the end, Dr (Ms) Chaitali

Koley, Honorary Secretary, Mizoram State Centre, IEI proposed the vote of thanks.

Puducherry

Puducherry State Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 through online mode. Dr A Rajesh, SMIEEE, INSPIRE Fellow, Associate Professor, School of Electrical and Electronics Engineering, SASTRA Deemed University Thanjavur was the Chief Guest of the event. Dr T Chithralekha, Professor and Dean, School of Engineering and Technology, Pondicherry University also delivered an address on this occasion. Earlier, Prof (Dr) B Radjaram, Chairman, Puducherry State Centre, IEI and Mr S Thirougnaname, Honorary Secretary, Puducherry State Centre, IEI welcomed the audience.

Punjab & Chandigarh

Punjab and Chandigarh State Centre, IEI in association with Department of Life Sciences & Institutions' Innovation Council B A M Khalsa College, Garhshankar observed World Telecommunication and Information Society Day 2022 on 17 May 2022 through online mode. Chief Guest of the event, Prof (Dr) T S Kamal, Former Vice President, IEI addressed the audience and shared his thoughts. Keynote Speakers of the event, Mr Bhupinder Singh Mavi, Principal Software Architect, WithMe Health, USA deliberated on the theme. Prof Jagmohan Kaur, Baba Banda Singh Bahadur Engineering College (BBSBEC), Fatehgarh Sahib and Research Scholar, I K Gujral Punjab Technical University (IKGPTU), Jalandhar explained that digitization of technologies has made life easier. Earlier, Mr Sukhvir Singh Mundi, Chairman, Punjab & Chandigarh State Centre, IEI welcomed the Guests and Keynote Speakers of the webinar. Prof (Dr) Baljit Singh, Honorary Secretary, Punjab & Chandigarh State Centre, IEI proposed the vote of thanks.

Tamilnadu

Tamilnadu State Centre, IEI observed World Telecommunication and Information Society Day on 23 May 2022 through online mode. Chief Guest of the event, Mr R Ganesan ITS, Former Principal General Manager, BSNL, Chennai stated the application of ICT and IoT in smart health care and added that the Ministry of Health and Family Welfare has launched lot of digital health monitoring application for aged people. Earlier, Mr S Kannan, Chairman, Tamilnadu State Centre welcomed the gathering. Dr J Balamurugan, Honorary Secretary, Tiruvallur Local Centre, IEI introduced the Chief Guest. At the end, Mr K N Sivaraju, Honorary Secretary, Tamil Nadu State Centre, IEI proposed the vote of thanks.

Uttar Pradesh

Uttar Pradesh State Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Lucknow. Chief Guest of the event, Prof Neelam Srivastava, Head, Department of Electronics and Communication Engineering, Institution of Engineering & Technology, Lucknow highlighted the role of ICT in the care of senior citizens and added that doctors are able to support the patients staying at home. On this occasion, Mr V B Singh, Vice President IEI; Mr R K Trivedi, Past Chairman and other distinguished personnel were present. Earlier, Mr Masarrat Noor Khan, Chairman, Uttar Pradesh State Centre, IEI welcomed all the guests.



West Bengal

West Bengal State Centre, IEI in association with Centre for Development of Advanced Computing (CDAC), RAIL, TEL observed World Telecommunication and Information Society Day on 17 May 2022 at Kolkata. Speakers of the event, Dr Aniruddha De, Geriatrician and Diabetologist categorized the problems of the old peoples in terms of the ageing process

with treatment protocol, comorbidity factors, organ degeneration, etc. and described the instruments required for carrying out daily routine activities and digital technology devices for healthy ageing. Prof (Dr) Madhurima Chattopadhyay, Head, Department of Applied Electronics & Instrumentation, Heritage Institute of Technology, Kolkata stressed on the need of digital technology with microprocessors and MEMS-based devices for health monitoring of elderly people. She explained the application of sensors in healthcare and elaborated the benefits of low-cost Smart CPAP devices. Dr Nabarun Bhattacharyya, Senior Director & Head, CDAC Kolkata mentioned the importance of adoption of IoT and biosensors for the detection of diseases and on the use of nonotechnology-based solution, AI ML-based solutions coupled with AR/VR and 5G, CDAC for senior citizens. Mr Sandip Kumar Deb, Vice President, IEI graced the occasion with his august presence. Prof (Dr) Raju Basak, Honorary Secretary, West Bengal State Centre, IEI proposed the vote of thanks.



LOCAL CENTRES

Angul

Angul Local Centre, IEI observed World Telecommunication and Information Society Day on 18 May 2022 at Angul. Mr K B Swain, Group General Manager (Smelter), Nalco, Angul graced the occasion as Chief Guest. Dr Srinivas Sethi, Professor, IGIT, Sarang delivered lecture on the theme as the Chief Speaker. Mr S Mishra, General Manager, .Operation (CPP) and Mr A K Satpathy, General Manager, Contract Cell, Smelter were attended the programme. Earlier, Mr Sangram Keshari Samantaray, Chairman, Angul Local Centre, IEI welcomed the guests & delegates. At the end, Mr Siba Ram Panda, Honorary Secretary, Angul Local Centre, IEI proposed the vote of thanks.



Belagavi

Belagavi Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Belagavi. Keynote Speaker of the event, Prof (Dr) Uday Wali, S G Balekundry Institute of Technology, Belagavi spoke on the theme. Earlier, Mr R T Jangal, Chairman, Belagavi Local Centre, IEI welcomed the participants. At the end, Prof (Dr) Devendrappa Kenchakkanavar Veeranna, Honorary Secretary, Belagavi Local Centre, IEI proposed the vote of thanks.

Dharwad

Dharwad Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Dharwad. Dr Rajeshwari M Banakar, Professor, School of Electronics and Communication Engineering, KLE Technological University, Hubballi was the Chief Guest of the event.. Earlier, Mr Vijaykumar Hanamantappa Totiger, Chairman, Dharwad Local Centre, IEI welcomed all. Dr Sidlingappa Sangappa Kerur, Honorary Secretary, Dharwad Local Centre, IEI highlighted the importance of the day and at the end of the session, proposed the vote of thanks.



Faridabad

Faridabad Local Centre, IEI in association with Bharat Sanchar Nigam Limited UP(West), Meerut observed World Telecommunication and Information Society Day on 21 May 2022 through online mode. Speakers of the event were Dr Charu Virmani, Professor, Department of Computer Science and Engineering, Manav Rachna International Institute of Research and Studies (MRIIRS), Faridabad and Dr Manoj Wadhwa, HOD CSE Ex.AITM, Palwal. Mr Pradeep Malha, CEO, Technopan Industries, Faridabad moderated the session. Earlier, Mr Sandeep Handa, Chairman, Faridabad Local Centre, IEI welcomed the audience, speakers and briefed about the theme. At the end, Mr Kuldeep Raj Gupta, Honorary Secretary, Faridabad Local Centre, IEI proposed the vote of thanks.

Gwalior

Gwalior Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Gwalior. Speakers of the event were Mr Ashok Singh Bais, Col (Retd), Indian Army and Mr Ranvir Singh Tomar, Retired Additional Chief Engineer, MPEB. Earlier, Mr Prabhat Kumar Bhargava, Chairman, Gwalior Local Centre, IEI welcomed all the dignitaries and at the end, Mr P Y Khanwilkar, Honorary Secretary, Gwalior Local Centre, IEI proposed the vote of thanks.



Jabalpur

Jabalpur Local Centre, IEI observed the World Telecommunication Information Society Day on 19 May 2022 through online mode. Chief Guest of the event, Mr Swapan Kumar Bose, Chief General Manager (Retd), Bharat Ratna Bhim Rao Ambedkar Institute of Telecom Training, BSNL, Jabalpur mentioned that digital health platforms like e-health, telemedicine platforms etc. can facilitate healthy ageing. Dr Gurdeep S Hura, Department of Computer Science, University of Maryland Eastern Shore, Princess Anne, MD, USA was the Guest of Honour. Earlier, Mr Prakash Chandra Dubey, Chairman, Jabalpur Local Centre, IEI welcomed the guests, dignitaries, speakers and the audience. At the end, Mr Sanjay Kumar Mehta, Honorary Secretary, Jabalpur Local Centre, IEI proposed the vote of thanks.

Jamshedpur

Jamshedpur Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Jamshedpur. Speaker of the event, Dr Raja Bose, Head, Customer Experience, Bihar & Jharkhand Telecom Circle in his address stated that digital technologies are developed with several domains including healthcare to make the life of elderly people more comfortable. Earlier, Mr Probal Ghosh, Chairman, Jamshedpur Local Centre, IEI delivered welcome address and at the end, Mr Shanti Das Bhattacharjee, Honorary Secretary, Jamshedpur Local Centre, IEI proposed the vote of thanks.

Kalaburagi

Kalaburagi Local Centre observed World Telecommunication and Information Society Day on 30 May 2022 at Kalaburagi. Dr Virupakshappa Patil, Associate Professor, Sharnabasva University Kalaburagi was the Speaker on the occasion. Mr Hanmayya Belure, Honorary Secretary, Kalaburagi Local Centre, IEI welcomed the speaker, dignitaries and the attendees. Mr Subhash Sugoer, Chairman, Kalaburagi Local Centre, IEI presided over the function.



Kalpakkam

Kalpakkam Local Centre IEI observed World Telecommunication and Information Society Day on 14 June 2022 at Kalpakkam. Chief Guest of the event, Mr Karthikeyan, Scientific Officer/E, TS-ESG, IGCAR, Kalpakkam delivered lecture on the topic 'Development of IP-PABX Voice Communication Network at DAE, Kalpakkam'. He explained Omni PCX experience – crystal technology, upgrading IP server, application communication server, up gradation of CPU8 of IPPABX system, etc. Earlier, Mr M Shanmuga Sundaram, Chairman, Kalpakkam Local Centre, IEI welcomed the gathering and deliberated on the theme.



Kanchepuram

Kanchepuram Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Kanchepuram. Speaker of the event, Mr Koteswaran Srinivasan, Technology Director, HCL Technologies Limited ERS Technology Office deliberated the importance of communication and digital technologies in our daily life.



Kollam

Kollam Local Centre, IEI, in association with Bishop Jerome Institute, Kollam observed World Telecommunication and Information Society Day on 26 May 2022 at Kollam. Keynote Speaker of the event, Dr M Padmadas, AGM, BSNL, Kollam delivered lecture on 'Unveiling the Innovations in Communication and IT'. Dr D Roshen Kumar, Principal, BJI also addressed the audience. Dr (Prof) Ms Sheeba R, Honorary Secretary, Kollam Local Centre, IEI delivered the welcome address.



Kozhikode

Kozhikode Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Kozhikode. Speaker of the event, Mr Praveen Chandran, Sub-Divisional Engineer, Enterprise Business, BSNL, Kozhikode delivered lecture on recent trends in telecommunication technology'. Earlier, Mr K Shaju, Honorary Secretary, Kozhikode Local Centre, IEI welcomed the audience.



Mangalore

Mangalore Local Centre, IEI observed World Telecommunication and Information Society Day on 24 May 2022 at Mangalore. Guest Speaker of the event, Dr Annappa B, Professor, Department of Computer Science and Engineering, NITK, Surathkal deliberated on the theme and added that digital technologies are helpful for



the senior citizens to meet up their specific abilities and needs. Earlier, Dr Manu B, Honorary Secretary, Mangalore Local Centre, IEI welcomed all the participants and the Guest Speaker and Dr Sunil B Malegole, Chairman, Mangalore Local Centre, IEI chaired the session.

Meerut

Meerut Local Centre, IEI in association with Bharat Sanchar Nigam Ltd UP (West) observed World Telecommunication and Information Society Day on 17 May 2022 at Meerut. Chief Guest of the event was Mr Surya Kant, ITS, CGM, BSNL UP (W) Telecom Circle and Guest of Honour of the event was Mr Rajeev Singh, ITS, PGM (Finance), BSNL, UP(W) Telecom



Circle, Meerut. Speaker of the event Mr Manish Nirala, JTO, BSNL, Meerut spoke on the need of digital technologies for older peoples for their physical, mental health as well as their social lives. Mr Amit Kumar Bansal, ADT (IT), BSNL, Meerut stated that equitable access to digital technologies is essential for global prosperity and sustainability. Mr Pradeep Sharma, DE (MSC), BSNL, Meerut briefed about the awareness about the importance of information and communication technologies for the betterment of older people. Mr Manish Rajpal, AGM (P&M), BSNL, Meerut suggested few solutions for the betterment of older people in their daily life. Earlier, Mr Mohan Lal Jain, Meerut Local Centre, IEI welcomed the dignitaries. At the end, Mr Raj Pal Agarwal, Honorary Secretary, Meerut Local Centre, IEI proposed the vote of thanks.

Palghat

Palghat Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Palghat. Guest Speaker of the event, Dr Keerthi Krishnan, Assistant Professor, Department of Electronics & Communication Engineering, NSS College of Engineering, Palakkad deliberated on the theme and mentioned that older people experienced a gap between adopting digital technology and their needs for independent living. He suggested some electronic devices like alarms for doors and windows; smart alert bands; medication dispensers and reminder; wander guard; physiological parameters monitoring systems and smart home monitoring systems. Earlier, Mr K Madhana Mohan, Chairman, Palghat Local Centre, IEI, delivered the welcome address and emphasized on creating awareness among the older people about the latest technological advancement. At the end, Prof (Dr) C Pradip, Honorary Secretary, Palghat Local Centre, IEI proposed the vote of thanks.



Ranipet

Ranipet Local Centre, IEI observed World Telecommunication and Information Society Day on 27 May 2022 through online mode. Speaker of the event, Mr A Mohammed Mian, Associate Professor, Electronics & Communications Department, C Abdul Hakeem College of Engineering and Technology, Melvosharam, Arcot deliberated that development in information and technology and new IT Gadgets for making the life of older people. He further added that the goal of the event was by using ICTs, the older people will be staying healthy, connected and independent at a physical, emotional and financial level. He emphasized that the benefit for older people in adopting digital technologies like wireless ECG monitoring, GPS trackers, insulin pumps, heart rate monitoring, remote patient monitoring, etc. At the

end, Mr M Salai Manalan, Chairman, Ranipet Local Centre, IEI proposed the vote of thanks.

Saurashtra

Saurashtra Local Centre, IEI, in association with A V Parekh Technical Institute, Rajkot observed World Telecommunication and Information Society Day on 17 May 2022 at Rajkot. Speaker of the event, Dr Chetan J Shingadiya, Associate Professor, Computer Engineering Department, R K University, Rajkot briefly explained the role of digital technologies for elderly people regarding their health; demographic global trends; key demographic facts; digital transformation and powerful socio economic opportunities, challenges of decentralized data and advice. Earlier, Mr Deepak V Suchde, Chairman of Technical Activity Committee, Saurashtra Local Centre, IEI delivered the welcome address and explained the host Centre's activity. At the end, Mr B V Harsoda, Honorary Secretary, Saurashtra Local Centre, IEI proposed the vote of thanks.

Silchar

Silchar Local Centre IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Silchar. Mr Jitesh Choudhary, Director, Centre for Development of Advance Computing (C-DAC), Government of India, and Prof Fazal Ahmed Talukdar, Department of Electronics & Communication, NIT, Silchar were the Guests of Honour. Earlier, Mr Gautam Dutta Choudhury, Chairman, Silchar Local Centre, IEI delivered welcome address.



Dr Biswajit Purkayastha, Honorary Secretary, Silchar Local Centre, IEI proposed the vote of thanks.

Tirunelveli

Tirunelveli Local Centre, IEI observed World Telecommunication and Information Society Day on 26 May 2022 at Tirunelveli. Speaker of the event, Mr M Gopinathan, Project Staff, IITM Chennai deliberated on recent developments in information and communication technologies. Earlier, Prof (Dr) R Velayutham, Chairman, Tirunelveli Local Centre, IEI welcomed the participants. At the end, Mr E Sivaganesh, Joint Secretary, Tirunelveli Local Centre, IEI proposed the vote of thanks.



Tiruvallur

Tiruvallur Local Centre, IEI observed World Telecommunication and Information Society Day on 19 May 2022 through online mode. A Technical Lecture was organized on the topic '5G and Edge Computing'. Chief Guest and Speaker of the event, Mr V Pramod, Chief Technical Officer, INQ explained briefly about distributed edge overview, edge technologies, edge infrastructure, edge security, edge applications and prevention attack on edge. Earlier, Prof (Dr) Ramesh L, Chairman, Tiruvallur Local Centre, IEI delivered welcome address. At the end, Dr J Balamurugan, Honorary Secretary, Tiruvallur Local Centre, IEI proposed the vote of thanks.

Trichur

Trichur Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 through online mode. Speaker of the event, Dr B Jayanand, Professor & HOD, Electrical and Electronics Engineering Department, SCMS School of Engineering & Technology, Angamali focussed on the problems encountered by the elderly people and

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News-in-Brief

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

STATE CENTRES

Madhya Pradesh

Organized webinar on the topic 'Energy Transition through Green Hydrogen: Business Opportunities and Technical Challenges' on 19 February 2022. Guest Speaker of the event was Dr Mohan Lal Kolhe, Professor, Smart Grid & Renewable Energy, Faculty of Engineering and Science, University of Agder (Norway).

Puducherry

Organized webinar on the topic 'Alternate Dispute Resolution in Civil Construction Projects' on 29 March 2022. Speaker of the event, Dr Colonel P Nallathambi, M/s Sakthi Consultancy Private Limited, Chennai explained about the Arbitration procedures to be followed in Civil Engineering projects.

Punjab & Chandigarh

Organized Webinar on the topic 'Business Intelligence with Intelligent Computing' in association with Department of Computer Applications and Science and Department of Commerce and Economics of B A M Khalsa College, Garhshankar on 04-05 March 2022. Prof (Dr) Tara Singh Kamal, Former Vice President, IEL graced the function as Chief Guest and Dr Ravinder Singh Zandu, as the Guest of Honour. Dr A S Balgir, IOFS (Retd) and Dr Jagtar Singh, Professor and Head, Punjabi University delivered the Keynote addresses. On the second day, Prof (Dr) Amar Pratap Singh, SLITE Longowal; Dr Labh Singh, Former Central Government Officer and Prof (Dr) Satwinder Singh, HOD, Department of Computer Science and Technology, Central University of Punjab, Bathinda delivering the Keynote speeches. During the valedictory function, Prof (Dr) Arvind Kalia, Dean of Studies, Himachal Pradesh University was the Chief Guest and Dr Gaurav Kumar, Founder Director, MAGMA Research & Consultancy Services, Ambala was the Guest of Honour.

Gujarat

Organized technical webinar in association with INDUS University, Ahmedabad and Water Management Forum of IEL on the topic 'Rain Water for Sustainable Global Industries' on 27 January 2022. Dr Samir Patel, Head, Civil Engineering Department, IITE, INDUS University mentioned the objective and background of the theme of the event. He also explained that strategic management of rain water can reduce disaster risk for communities faced with water scarcity, droughts or flood risks depending on geographic context and local water demands. Chief Guest of the event, Mr M P Raval, Former Special Secretary, Water Resources Department, Government of Gujarat & Past Chairman, Water Management Forum, IEL addressed the gathering and informed the importance of rain water. He opined that water scarcity is due to massive industrialization, large amount of water used in agriculture sector and increase in population, urbanization etc. Keynote Speaker of the event, Mr Amit Doshi, Director, Vardhman Envirotech Experts in Rain Water Harvesting Technologies gave detailed presentation on the theme of the webinar and explained rain water harvesting methodology, involvements of common man for this simple task. He explained in details about the roof top rain water harvesting in comparison to existing bore well with illustration.

Telangana

Organised webinar in association with Hyderabad Clean Air Network on the theme 'Affordable Technologies for Air Quality Monitoring – Issues and Challenges' on 29 August 2021. Mr Ravinder, Chief Scientist, ERTI in his Keynote address, explained the action plan for reducing air pollution related

to industries in Hyderabad and insisted on the strict implementation of this action plan by the industrial management. On this occasion, Dr S K Gupta, MD, Envirotech Instruments Private Limited spoke on the development of indigenous air quality monitoring instruments and suggested to produce sensor based monitors in our country. Mr Ayyan Karmakar, Chief of Staff, OIZOM Instruments Private Limited presented their latest air quality monitors with several applications in various fields like industries, smart cities, university campuses etc. He also mentioned the affordability compared to present instruments being used by Pollution Control Board.

Organized Dr Narla Tata Rao 20th Endowment Lecture on the topic 'Cogeneration' on 04 September 2021 through online mode. Chief Guest of the event, Prof S M Zafarullah, Former Professor & HOD, Vidya Jyothi Institute of Technology (VJIT), Hyderabad mentioned that cogeneration stands as a reliable and continuous energy conservation tool. He further explained that it is concurrent generation of process steam and electricity in the same integrated unit than they are produced separately without consideration of each other. He further mentioned that cogeneration means utilization of less fuel and as a result less emission of CO₂, therefore it is clean green and cheap power. Non-conventional materials can be use for this purpose. Cogeneration will increase the efficiency of the system for both utility and industry sector. He spoke that all the industries are utilizing cogeneration and is being encouraged by government of India as it eliminates line losses and reduces power cuts.

Tripura

Organized Second C R Bhattacharjee Memorial Lecture, in memory of Late Mr C R Bhattacharjee, former Chief Engineer, Power Department, Tripura, in association with Tripura State Electricity Corporation Limited on 17 March 2022 at Agartala. A Seminar was organized on the topic 'Electric Vehicle – A Smart Option for Clean Environment' and 'New Initiative in TSECL'. Mr D Radhakrishnan, Chairman, Tripura Electricity Regulatory Commission, Agartala graced the occasion as Chief Guest and Mr Debasish Sarkar, Managing Director, Tripura State Electricity Corporation Limited and Mr Subhash Chowdhury, Former Director & CEO, Tripura Renewable Energy Development Agency graced the function as Special Guests. Speakers of the event, Mr Kanak Lal Das, Additional General Manager, DP & C, Tripura State Electricity Corporation Limited delivered lecture on 'New initiative in TSECL'. Dr Subhadeep Bhattacharjee, Associate Professor and Former Head of Department, Electrical Engineering, NIT Agartala spoke on 'Electric Vehicle - A Smart Option for Clean Environment' and highlighted the policy framework challenges and benefits towards adoption of electric vehicles in India.

Observed National Science Day on 09 March 2022 in association with Tripura State Council of Science & Technology, Government of Tripura and Tripura Tribal Areas Autonomous District Council (TTAADC) Polytechnic Institute at Agartala. A Seminar was organized on the topic 'Integrated Approach in Science & Technology for a Sustainable Future'. Special Guests of the event, Mr Babul Chakrabarti, Director-in-Charge, Department of Science, Technology & Environment, Government of Tripura and Mr Tamajoy Deb, Principal, Tripura Tribal Areas Autonomous District Council (TTAADC) Polytechnic Institute, Khumlung graced the occasion as Special Guests. Special Speakers of the event, Dr Bijoy Kumar Upadhyaya, Dean (Academic) & Associate Professor, Electronics & Telecommunication Engineering Department, Tripura Institute of Technology, Narsingarh and Mr Subhraneel Roy, Scientist, Tripura State Council for Science & Technology shared their thoughts and views with the audience.

Observed National Science Day in association with Tripura State Council of Science & Technology, Government of Tripura on 28 February 2022. A seminar on the topic 'Integrated Approach in Science & Technology for a Sustainable Future' was organized on this occasion. Prof Ganga Prasad Prasain, Vice Chancellor, Tripura University graced the function as Chief Guest and Mr Babul Chakrabarti, Director-in-Charge, Department of Science, Technology & Environment, Government of Tripura graced the occasion as Guest of Honour. Special Speakers of the event were Dr Bijoy Kumar Upadhyaya, Dean (Academic) & Associate Professor, Electronics & Telecommunication Engineering Department, Tripura Institute of Technology, Narsingarh and Prof Ramkrishna Das, Associate Professor, Department of Astrophysics & Cosmology, S N Bose National Centre for Basic Sciences, Kolkata.

Organized webinar of Computer Science and Electronics & Telecommunication Engineering Divisions on 06 February 2022. Special Speakers of the event, Mr Sumit Dhar, Solution Architect, Information Technology, National Informatics Centre, Agartala delivered lecture on the topic 'To Align Professional Curriculum with World IT Road Map' and Mr Rapti Chowdhury, Department of Computer Science & Engineering, NIT Agartala delivered presentation on the topic 'AI Specialization'.

Organized webinar of Mechanical & Production Engineering Divisions on 02 January 2022. Dr Elansezhian Rasu, Professor, Mechanical Engineering Department and Placement Officer, Puducherry Technological University delivered lecture on the topic 'Intelligent Manufacturing' and explained on enhanced industrial flexibility, mass customization, higher quality and productivity. This helps organizations to meet the needs of generating increasingly personalized products in a timely and flexible manner while maintaining the quality. The presentation also covers intelligent manufacturing, cloud manufacturing and Internet of Things (IoT) in context of Industry 4.0, Cloud Computing, Big Data Analytics, Machine Learning (ML) and Artificial Intelligence (AI). Md Piyar Uddin, Mechanical Engineering Department, NIT Agartala presented lecture on the topic 'Multi-Objective Optimization of CNC End Milling of Al5083-B4C Using Grey Relational Analysis', which highlighted about multi-objective functions based on Grey Relational Analysis to determine the best combination of input processes parameters.

Organized webinar of Electrical Engineering Division on 15 January 2022. Special Speaker of the event, Dr Rita Banik, Assistant Professor, Department of Electrical and Electronics Engineering, ICFAI University Tripura delivered lecture on the topic 'Sustainable Renewable Integration: ML Approach', and highlighted the solar and wind as the most widely used sources of renewable energy because of their rich distribution and reserves. She further stated that accurate forecast of weather is essential for obtaining energy from renewable sources through long-term planning for futuristic production and transmission infrastructures. Ms Dipradidhiti Roy Barman, Department of Electrical Engineering, NIT Agartala presented on the topic 'Biogas based Power Generation' as Special speaker and discussed on prospects of biogas based power generation and its various application.

Organized webinar of Chemical Engineering Division (in/c Textile & Metallurgical & Material Science Engineering) on 19 February 2022. Special Speakers of the occasion were Dr Prasanta Kumar Rout, Assistant Professor, Department of Material Science and Engineering, Tripura University also spoke on the topic 'Green Technology for Construction Industries' and Mr Soumyajeet Majumder, Department of Material Science and Engineering, Tripura University spoke on the topic 'Electrochemical behaviour study of Aluminium Alloy'.

Organized webinar of Civil Engineering Division (in/c Environmental, Architectural & Agricultural Engineering) on 26 February 2022. Special Speakers of the event, Dr Gopi Nandan Dey, Assistant Professor, Civil Engineering Department, NIT Agartala spoke on the topic 'Quality Control for Building Construction'. He highlighted that quality of concrete is the key determinant for good construction, therefore emphasis to be given for

use of supplementary cementitious material and low water to binder ratio. Ms Sheetal Thapa, Civil Engineering Department, NIT Agartala delivered presentation on the topic 'Structural Health Monitoring using the Common and Latest Non-destructive Testing Methods for Concrete Structures'.

LOCAL CENTRES

Angul

Observed Royal Charter Day on the topic 'New Education Policy & Industry' on 09 September 2021 through online mode. A technical webinar was organized on the occasion. Chief Guest of the event was Mr Ambika Prasad Panda, Executive Director, S&P Complex, NALCO. Chief Speaker of the event, Prof (Dr) Ranjan Kumar Swain, Principal, Parala Maharaja Engineering College, Berhampur, Odisha spoke in detail about the new education policy and its impacts on the industry.

Observed 54th Engineers Day on the theme 'Engineers for Skill Development and Employment in Combating COVID' on 15 September 2021 and a technical webinar was organized on this occasion. Chief Guest of the event was Mr Ambika Prasad Panda, Executive Director, S&P, NALCO. Speakers of the event were Dr Madhuri Dubey, Founder, National Skill Network, Hyderabad and Dr P C Panda, Management Consultant and the founder Honorary Secretary, Angul Local Centre, IEI.

Aurangabad

Organized Webinar on 'Challenges and Opportunities in Developing Socio Economy of India with Reference to Solar System and Energy Conservation' on 15 January 2022. Panelist of the event, Mr Dhananjay Joshi, Head (Asset Management QHSE), Continuum Green Energy Private Limited, Mumbai explained technical know how, economics in solar system, Government policies regarding solar system and energy conservation, International treaty in global community regarding solar system and global community. He further focused on climate change and solar system utilization. Panelist of the event, Mr Mukund Kulkarni, Director, Expert Global Solution Private Limited, Aurangabad explained regarding significance of solar system and scope of energy conservation in Aurangabad jurisdiction. He mentioned that awareness to the common people be required for the utilization of new solar energy in place of traditional old electricity in daily life.

Observed World Water Day 2022 in association with MGM University, Jawaharlal Nehru Engineering College, Aurangabad through hybrid mode on the topic 'Water Resources Development of the Country and Climate Change' on 29 March 2022. Speaker of the event, Dr Avinash S Garudkar, Professor & Head (Engineering), Water and Land Management Institute (WALMI), Aurangabad explained the importance of water and weather, balance between evaporation and precipitation and the primary cycle through which climatic change can be witnessed. He also mentioned the determination of magnitude of climate change by anthropogenic CO₂ emission.

Bareilly

Organised National Conference in association with Rajshree Institute of Management and Technology (RIMT), Bareilly on the theme 'Multidisciplinary Research in Engineering, Management & Medical Sciences (ICNREMMS-2022)' during 25-26 March 2022 at Bareilly. Chief Guest of the event was Mr Chandra Mohan Garg, IAS, CDO, Bareilly. Prof Piyush Kulshreshtha, delivered lecture on the topic 'Multidisciplinary Research in Engineering'. Dr Mohammad Azam delivered lecture on the topic '2D Material: An Emerging Technology'. Prof Vijayant Agarwal, Netaji Subhas University of Technology, New Delhi deliberated on 'Heuristic Algorithm for Routing and Planning of Jobs and Tolls in Flexible Manufacturing System', Ms Anushri Soni, Shri Ram College of Commerce, University of Delhi made presentation on 'A Multidisciplinary Perspective of Big Data in Management Research' and explained that Big Data has emerged as one of the prominent buzzwords in business and management.

Chandrapur

Organized webinar in association with Department of Mechanical Engineering, Rajiv Gandhi College of Engineering, Research & Technology, Chandrapur on the topic 'Industrial Applications of Bamboo' on 24 February 2022 with the objective to explore, how natural resources be used as construction material. Guest Speaker of the event, Dr V N Srivastava, Director, OD Skill Development Academy, spoke on proper utilization of bamboo and how it is helpful to poor people of India. Dr Z J Khan, Principal, Rajiv Gandhi College of Engineering, Research & Technology, Chandrapur emphasized various aspects related to bamboo, especially in Chandrapur where bamboo is easily available. Prof M K Shende, Associate Professor, Department of Civil Engineering, Rajiv Gandhi College of Engineering, Research & Technology, Chandrapur emphasized on the use of bamboo especially in Civil Engineering and also explained the engineering properties of bamboo for low cost housing.

Erode

Organized Lecture Meeting on 'Durability Tests on Concrete Structures' on 30 November 2021 in association with Kongu Engineering College, Perundurai in virtual mode. Speaker of the session, Dr G S Rampradheep, Associate Professor, Department of Civil Engineering, Kongu Engineering College, Perundurai explained concrete as the most important element in the structure which predominantly takes compression forces. He added that long term performance of the structures is more significant and depends on the ambient condition of the environment considered during the design of the structures. He focussed on the durability of structure and opined that most of the long term examination of concrete is based on ASTM standards with respect to the practical application and the material properties.

Organized Seminar on the topic 'Role of Electrical Engineers in Software Industry' on 04 December 2021 through online mode. The speaker of the event, Mr N Vaneeswaran, Senior Software Engineer, Dell Technologies, Bangalore briefed about the job roles and opportunities of electrical and electronics engineers in software industry.

Organized webinar on the topic 'Recent Trends in Embedded System for Industrial Applications' on 08 December 2021 in association with Nandha Engineering College, Perundurai. Speaker of the event, Ms Rekha Sadhasivam, Junior Engineer, Signalling and Telecommunications Department, Indian Railways delivered briefly about the embedded system in industrial applications, which is an application-specific system, designed in combination of hardware and software to meet real-time constraints. The future of embedded system industry is based on improved security for embedded devices, cloud connectivity and mesh networking, reduced energy consumption, visualization tools with real time data and deep learning applications, the speaker added.

Organized Technical Seminar on 'Scientific Approach in Python Programming' on 10 December 2021 in association with Nandha Engineering College, Perundurai through virtual mode. Dr N Rengarajan, Principal, Nandha Engineering College introduced the Speaker, Prof S S Nandhini, Professor & Head, Department of Information Science and Engineering, Bannari Amman Institute of Technology, Erode who shared the ethical concepts of Python along with some special library functions that are used in Python. She also mentioned briefly how to get reference of use cases through Git Hub.

Organized webinar on 'NexGen Innovative Applications – Drone Technology' on 11 December 2021 in association with Builders Engineering College in virtual mode. Mr Hari Janarthanan, the speaker, Manager – UAV Technology, Birdscale Technologies, Coimbatore shared his views about the application of this technology across different industries. He further spoke about the usefulness of this technology in Data Communication and Land Surveying. Further, the speaker discussed application of Artificial Intelligence for developing Drone Technology.

Organized webinar on the topic 'Awareness on Energy Conservation' on 16 December 2021 in association with Builders Engineering College. Speaker

of the event, Mr A Sivaraman, Assistant Executive Engineer/Electrical, TNEB/TANGEDCO, Namakkal Electricity Distribution Circle, Namakkal in his presentation emphasized on the need to create awareness of energy conservation and shared his knowledge about proposed installed capacity by 2022 as per Draft National Electricity Plan, Electricity generation capacity and growth etc.

Observed Energy Conservation Day on 14 December 2021 and organized Awareness Programme in energy Conservation in association with Velalar College of Engineering and Technology. Speaker of the event, Dr M Jayaraman, Principal, Velalar College of Engineering & Technology, Erode shared his views about energy conservation and its need.

Organized webinar in association with Kongu Engineering College, Perundurai, Erode on the topic 'Patenting of Chemical, Food and Bio-processes: Aspects and Opportunities' on 29 January 2022. Speaker of the event was Mr N Prabhu, Expert-Intellectual Property Rights, Chennai. The key points discussed in the programme were: process involved in filing a patent; patent filing scenario in India for the past 25 years; practical aspects and time taken in filing a patent; laws beyond patent granting; royalty and technology transfer aspects, specific aspects involved in patenting micro-organisms, etc.

Faridabad

Organized technical webinar on 'Critical Thinking: Way to Think for Sustainability' on 07 January 2022. Speaker of the event, Dr Sudhanshu Joshi, Professor, Department of Management Studies, Doon University stated that critical thinking has ranked as the most desirable skill while hiring new employees and has been recognized for making justified decision than technical knowledge. Speaker of the event, Dr Meghna Chhabra, Associate Professor, Faculty of Management Studies, Manav Rachna International Institute of Research Studies stated that critical thinking and sustainable development are the right approach for social, economic, political problem, solving for current and future generations through active mental and emotional inquiry for the transformation of individuals, communities and institutions.

Organized webinar on the topic 'Battery Technology and Application in Electric Vehicles' on 09 October 2021 through online mode. Mr R R Tanwar, Council Member IEI was the Chief Guest on the occasion. Mr Sandeep Handa, Chairman, Faridabad Local Centre, IEI in his opening remarks briefed that in near future, the urban population will require mobility and energy solution that are sustainable, affordable, secure and integrated with customer-centric infrastructure and service. Moderator of the event, Mr Pradeep Mallah, CEO, Technopan Industries, Faridabad, apprised about the ever-increasing growth of electric vehicle market in India. Panellist of the session, Dr Richa Adlakha, Assistant Professor, Manav Rachna International Institute of Research and Studies (MRIIRS), said that India should develop strong R&D leading to commercialization of Electric Vehicle (EV). She insisted on developing sufficient infrastructure for charging the vehicle and opined that start-ups will play the pivotal role in the evolving electric mobility space around the world. Mr R P Deshpande, Adjunct Faculty, M I T Aurangabad and Consultant for Capacitors and Energy Management enlightened about various benefits of Electric Vehicle such as zero tailpipe emission, energy efficiency, low carbon footprint, and many more, which leads to cleaner energy. He also touched upon National Hydrogen Mission (NHM) to generate hydrogen from green power sources and explained hydrogen as a decarbonizing agent for chemical, steel, fertilizer industries. Ms Sonakshi, Director, Technopan Industries, Faridabad explained the benefits of electric vehicles over conventional IC engine vehicles as economical, environment-friendly and very convenient alternative.

Indore

Observed World Habitat Day on 16 October 2021 at Indore with a technical presentation on the theme 'Accelerating Urban Action for a Carbon-free World'. Guest Speaker of the event, Ms Tashmeer Khan, Senior Executive – Compliance Management, EHS Consultants and PEAL, Indore, in her

presentation spoke about Sustainable Development Goals, Paris Agreement COP 21, sustainable urbanism etc.

Kalpakkam

Observed National Science Day in association with IEI Student Chapters of SSN College of Engineering & Hindustan University, Chennai on 28 February 2022 through online mode. Speaker of the event, Prof Nisha M S, Professor, School of Aeronautical Engineering, Hindustan College of Engineering and Technology, Chennai delivered lecture on 'Role and Need of Avionics' and mentioned the importance of Avionics to science and Aeronautical Engineering. She also briefly explained flight controls and helicopters avionics.

Observed National Science Day in association with Prince Dr K Vasudevan College of Engineering & Technology, Mambakkam, Ponmar, Chennai, Tamil Nadu on 28 February 2022 at Kalpakkam. Mr M Shanmuga Sundaram, Chairman, Kalpakkam Local Centre, IEI elaborated on 'Basics of Nuclear Engineering and Level Measurements in Fast Breeder Reactor' and explained different types of reactors, including pressurized heavy water reactors, fast breeder reactors with Block Diagram and also different types of coolant used in fast breeder reactor.

Kanyakumari

Organized webinar on '3D Printing, Process, Applications and Technical Challenges' on 09 May 2022 through online mode. Keynote Speaker of the event, Mr K Rajan, Research Scholar, University Malaysia Pahang, Malaysia, in his lecture discussed that 3D printing or additive manufacturing is the process of making three dimensional solid objects from digital file. He further spoke on Rapid Prototyping and its application during 3D Printing technologies. He added that 3D printing is most widely used in manufacturing, healthcare, socio cultural sectors etc to create successful commercial technology.

Kharagpur

Organized webinar on the topic 'Challenges for Future Electrical Propulsion Based Aircraft' on 25 February 2022. Speaker of the event, Dr Chetan S Mistry, Assistant Professor, Department of Aerospace Engineering, Indian Institute of Technology Kharagpur briefed on Aerospace Propulsion and setting up turbomachinery research facilities which include low speed low turbulence wind tunnel, low turbulence probe calibration wind tunnel, etc. He further discussed reduced CO₂ emission from commercial aviation, electrical propulsion in commercial aircraft etc.

Kollam

Organized webinar on 'Future of Computer Science' on 19 January 2022 in association with Department of Computer Science & Engineering, TKM College of Engineering, Kollam. Speaker of the event, Ms Farha Kareem, Cofounder, Meet Resume, briefed about her journey from a Computer Science Student to her present positions and achievements. She mentioned to become successful it is necessary to identify self passion and set a Goal.

Meerut

Organized Lecture Meeting on the topic 'Friction Stir Processing' on 01 February 2022 at Meerut. Speaker of the event, Dr K L A Khan, Dean IEC and Professor, Mechanical Engineering Department, KIET Ghaziabad deliberated in detail on Friction Stir Processing (FSP) and mentioned that FSP is a solid state metal processing technique, which was developed from the Friction Stir Welding (FSW) process. He explained that in FSW, two pieces of metals are jointed through mechanically stirring them and at the place of the joint that leads to transforming the metal into a softened state and two connecting pieces join through mechanical mixing, diffusion, and re-crystallization under mechanical pressure but in FSP there is no joining involved.

Nagpur

Organized Short Term Training Program on 'Recent Trends and Research Areas in Electronics, Electrical and Computer Engineering' on 17-22 January

2022 at Nagpur. Dr V M Nanoti, Director, Engineering, Lokmanya Tilak Jankalyan Shikshan Sanstha; Dr S A Dhale, Principal, Priyadarshini College of Engineering, Nagpur and Dr G M Asutkar, Vice Principal, Priyadarshini College of Engineering, Nagpur were present on this programme. Prof (Mrs) V B Bagde, Coordinator, Short Term Training Programme gave a brief overview of the program and Dr (Mrs) A P Rathkanthiwar, Convener and Head, E&C Engineering, addressed the gathering and enlightened the participants. Dr G M Asutkar guided the participants and discussed about various latest trends and research areas associated with these branches of Engineering. Dr S A Dhale addressed the gathering and told why such programs are required for enhancing the learning perspective and guiding students in selecting the research area. Dr V M Nanoti talked about how to bridge the digital divide in the classroom. Mr Milind Anant Pathak presented the keynote address and talked about innovations and Industry 5 concepts. The program witnessed the presence of Deans, Heads of various Departments and Faculty members of the college.

Celebrated Irrigation Day in association with Sinchan Sahayog, Nagpur on 26 February 2022 at Nagpur. The day is celebrated in memory of Late Shankarrao Chavan, Former Chief Minister of Maharashtra. Chief Guest of the event was Mr Ashish Deogade, Chief Engineer, Gosikhurd Project, Water Resources Department, Nagpur talked about the initiative taken by Late Shankarrao Chavan in irrigation development of Maharashtra and Jayakwadi project on Godavari River and Gosikhurd project on Wainganga River. Mr Shrikant Doifode, President, Sinchan Sahayog gave introductory remarks and also mentioned the contribution of Late Shankarrao Chavan for the development of irrigation works in Maharashtra.

Organised Lecture Program in association with RTM Nagpur University Alumni Association on Consumer Rights on 24 February 2022 at Nagpur. Chief Guest of the event, Dr Santosh Kakade, In Charge President, Maharashtra State Consumer Dispute Redressal Commission, Mumbai delivered lecture on 'Azadi Ka Amrit Mahotsav: Protection of Consumer Rights'. Mr Sudhir Paliwal, General Secretary, RTM Nagpur University Alumni Association, while delivering his address mentioned that The Consumer Protection Act was enacted to protect the interests of consumers in India and was made for the establishment of consumer councils and other authorities for the settlement of consumer's grievances and matters connected with it. Prominent persons present during the talk included Hon'ble A Z Khwaja, Judicial Member, State Consumer Commission Nagpur Bench, Hon'ble Sanjay Patil, President, District Consumer Commission Nagpur, Hon'ble Ms Smita Chandekar and Hon'ble Avinash Prabhune, Members of Additional District Commission, Nagpur.

Neyveli

Organized technical lecture on the topic 'Safe Digital Banking' on 09 December 2021 at Neyveli. The speaker, Smt R R Gayathiri, Chief Manager, State Bank of India, Neyveli Branch explained the basic understanding and safety guidelines for practitioners/customers for safe digital banking and different security tips of internet banking. She also enlightened the audience about computer security processes like antivirus, updated OS, Anti spyware etc.

Observed Energy Conservation Day on the topic 'Energy Conservation - Human' on 08 February 2022 through hybrid mode. Chief Guest of the event, Mr N Ramesh, Chief Manager (Mechanical), SME-MRR/Mines-II, NLC India Limited said that human energy can be conserved by establishing SOP, resource planning, training, effective communication etc.

Observed National Science Day in association with Engineers & Scientist Association on the topic 'Integrated Approach in Science & Technology for Sustainable Future' through hybrid mode on 28 February 2022 at Neyveli. Chief Guest and Speaker of this event, Dr M Kalaiselvam, Professor & Director (CAS in Marine Biology), Faculty of Marine Sciences, Annamalai University spoke about Sustainable Future and beauty of Marine Environment. He also mentioned about the total global salt water, fresh

water and India's water crisis which is a man-made problem. He mentioned the impact of water pollution to humans, animals. The speaker stressed the importance of solution to water pollution which is harmful to humans, animals, etc or causes significant deviation from the pure condition. He also mentioned the source of water pollution like parasitic contamination; chemicals such lead, nitrates, arsenic, etc; chlorine react with decaying organic matter, carcinogenic chemical by-products. In conclusion, he told future generation should be taught from now onwards and the best way is to create awareness of environment.

North Bengal

Organized Lecture Meeting on 'Multi Factor Based Authentication System for User Verification' on 11 January 2022 through online mode. Theme speaker of the event, Mr Subhas Barman, Head of the Department, Department of Computer Science and Engineering, Jalpaiguri Government Engineering College delivered his presentation on Multifactor based authentication as a security technology, which requires multiple methods of authentication from independent categories of credentials to verify user's identity for login or other transaction. He further explained types of common authentication, namely password based authentication, multi-factor authentication, certificate based authentication, biometric authentication and token based authentication.

Palghat

Organized webinar on 'Innovation, Creativity Leading to Patents' on 22 January 2022. Keynote Speaker of the event, Dr Vinod V, Dean, Faculty of Engineering, University of Calicut, Professor, Department of Mechanical Engineering, NSS College of Engineering Palakkad explained that the key requirement for entrepreneurial success is the ability to convert creativity into invention and the develop something unique for the benefit of the society. He also added that patents plays a prominent role in the entire technology life cycle, from initial RD & D to market. He also cleared about India's rank in Global Innovation Index 2021 as given by World Intellectual Property Organization.

Ranipet

Organised online Lecture Programme on the topic 'Water Management in Tamil Nadu' on 29 January 2022. Speaker of the event, Mr D Kumaran, Assistant Engineer, Ground Water Division, Water Resources Department, Tamil Nadu explained 'Water Map' depicting the cycles, phases & processes undergone by water in our environment. He mentioned about distribution of earth's water – limited availability of freshwater for usage; water availability & storage in India's perspective. The speaker also mentioned about the applications and advantages of Artificial Recharge Structures (ARS) for natural replenishment of ground water storage by spreading of water or changing natural conditions.

Organised Lecture on the theme 'Vaastu for Individual's Development' on 28 February 2022 through online mode. Speaker of the event was Dr P Porchelvan, Senior Professor, Department of Environmental & Water Resources Engineering, School of Civil Engineering, Vellore Institute of Technology University, Vellore.

Solapur

Organized webinar on the topic '3D Printing and Indian Industries' on 20 February 2022 at Solapur in association with Government Polytechnic Solapur. Mr Shekhar A Jeurkar, Proprietor, Saj Consultancy Services, Solapur and Mr Suhas Londhe, Operations Head, Oriental Tech Solutions, Pune were the speakers of the event. Mr Jeukar briefed about Additive Manufacturing and Business Cycles. Mr Londhe mentioned the basic principle on which 3D printing technology works. He demonstrated the functioning of the machine systems. Mr Suman Gowda, Marketing Head, Philips Corporation, Bangalore mentioned the business and job opportunities with 3D printing technology.

South Gujarat

Organized International Conference, in collaboration with Auro University, GMNA University, Punjab and Meerut Institute of Technology on the topic 'Emerging Technologies in Information Technology' (IECET 2022) during 24 & 25 February 2022. The Keynote speakers were from Australia, Vietnam, NIT Agartala and Indian Army. Dr V K Ratan, Honourable Vice Chancellor, GNA University, Punjab welcomed all the delegates. Keynote Speaker of the event, Dr Rajkumar Buyya, The University of Melbourne, Australia delivered on vision of computing utilities, innovative architecture for creating elastic clouds, Aneka 5G, a cloud application platform, etc. Keynote speaker, Dr Suman Deb, Assistant Professor, Department of Computer Science and Engineering, NIT Agartala shared his views on Artificial Intelligence (AI). Dr Alex Khang, Data Scientist, USA & Vietnam delivered talk on 'Cloud Computing Framework' where he discussed the set of development tools, middleware technologies and event database management software. Col Dr J P Singh, Indian Army explained the advantage of application of Cloud Computing in disaster management.

Organized Expert Talk in association with Civil Engineering Department, Dr S & S S Ghandhy Government Engineering College, Surat on the topic 'Climate Change Awareness Campaign' on 24 February 2022 at Surat. Eminent Speaker of the event, Mr E H Pathan, Deputy General Manager, Surat Smart City Development Limited discussed that climate change awareness is imperative to achieve sustainability in developing countries. He said that climate change has emerged as one of the most devastating environmental threats and suggested to introduce climate change education and awareness in schools, ordinary citizens, farming communities, Government Ministries, policymakers. He opined climate change will cause in rising maximum temperatures, rising sea levels, higher ocean temperatures, increase in heavy precipitation, shrinking glaciers, etc.

Thanjavur

Observed National Science Day on 28 February 2022 at Thanjavur and a seminar was organized on the topic 'Missing Elements in Today's Higher Education'. Dr S Senthamil Kumar, Professor, Department of Civil Engineering, Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur made presentation on the topic and mentioned that India is facing shortage of skilled manpower in industries and stressed on effective implementation of educational system.

Tirunelveli

Organized technical seminar on 'Computational Thinking – Problem Solving Approaches' on 07 January 2022 through online mode. Mr Premkumar M, Assistant Professor (Sr.G), KPR Institute of Engineering and Technology, Coimbatore explained about the process of identifying a problem, developing an algorithm for the identified problem and finally implementing the algorithm to develop a computer program and explained the concept, how Computational Thinking allows us to take complex problems, understand what the problem is, and to develop solutions. He further explained four computational thinking techniques, namely decomposition, pattern recognition, abstraction, and algorithms.

Organized Technical Seminar on the topic 'Big Data using Apache Hadoop & Spark' on 11 January 2022 through online mode. Dr K Saravanan, HOD, Department of Computer Science and Engineering, Anna University Regional Campus, Tirunelveli explained big data, Hadoop, distributed systems environment etc.

Tiruchirappalli

Organised webinar on the theme 'Bio-Energy' on 22 February 2022. Chief Guest and speaker of the event was Dr N Anantharaman, Former Professor (HAG), Chemical Engineering Department, National Institute of Technology, Tiruchirappalli. In his speech, Dr Anantharaman mentioned that the renewable energy sources, bio-energy & bio-mass are the important ones and biomass can be used in different forms such as solid, liquid and gaseous fuel which are similar to fossil fuels. Various types of biomass

gasifiers are used to produce gaseous fuels by gasification. He also added that there is huge scope of bio-diesel. The oil is converted through catalyzed transesterification process using preferably methanol. With a high level of unsaturation, the biodiesel is more like to oxidize whereas with a higher level of saturation gelling is a problem with bio-diesel. Further in the discussion it was highlighted that ethanol blending with petrol helps in minimizing the dependence on petrol. Use of bio-ethanol, is a way to reduce greenhouse gas emissions from the transport sector.

Organised webinar on the topic 'Mining- Past, Present, Future' on 01 March 2022. Chief Guest and the speaker of the event was Mr S Laxminarayanan, Former General Manager, M/s Dalmia Cement Bharat Limited, Tamil Nadu. The speaker described the journey of Mining Industry from ancient times and explained the development of mining industry pre and post independence. He also added the present scenario and various development in mining industry. Lastly, the presentation covered the future prospects beyond 2030 and mentioned various govt policies, nature and human conflicts in the mining activities, labour policies, child labour, disposal of wastes, enrichment of low grade minerals.

Organised webinar in association with Computer Society of India, Tiruchirappalli Chapter on the topic 'Significance of Millimeter Wave' on 08 March 2022. Speaker of the event, Dr G Kalpanadevi, Professor and Head, Department of Information Technology, Department of Computer Science Engineering, MAM College of Engineering, Siruganur, Tiruchirappalli. briefed that the Millimeter Waves are electromagnetic radio waves within the frequency range 30-300 GHz and have a wavelength range of 10 mm at 30 GHz, which is extremely high frequency well suited for 5G networks. In future high-speed communication networks based on millimetre-wave (30-300 GHz) technology will be more efficient, delivering extremely high-speed, high-quality video, multimedia content and services she mentioned. She also explained the difference between microwave and millimetre wave, advantages, disadvantages and its application in detail.

Organised webinar on the theme 'Cr-Mo Steel Developments for Boiler Applications' on 15 March 2022. Chief Guest of the event, Mr S Singaravelu, Consultant, M/s Kobleco Welding India Private Limited & Former Additional General Manager, Bharat Heavy Electricals Limited, Tiruchirappalli informed that the creep and high temperature resistant Cr-Mo steels have found use with great success for applications in the manufacture of high-pressure boilers. Power sector realised the need to improve creep strength of steel to improve the thermal efficiency of steam power plant by raising the steam temperature and pressure. The creep resistance of a CrMo steel is based on the formation of stable precipitation such as alloy carbides in a ferritic, bainitic and/or martensitic microstructure. The precipitation formed will block the grain boundaries and prevent sliding of the slip-planes to give desired creep resistance properties.

Trichur

Organized webinar on 'New Developments in Project Implementation Strategy in Post Covid Scenario' on 11 January 2022. Speaker of the event, Mr AJith Kumar, Executive Director, BPCL-Kochi Refinery, Ambalamughal, Kochi explained the challenges during pandemic faced in manufacturing, delivery and construction & commissioning sectors. He explained working principle of remote commissioning with the help of AR wearable computer, digital inspection and virtual meetings.

Tumakuru

Organized Lecture meeting on the topic 'Entrepreneurship and Start-Up India', in association with Channa Basaeshwara Institute of Technology, Gubbi on 30 December 2021 at Tumakuru. Chief Guest and Keynote speaker of the event, Dr Enti Ranga Reddy, Chairman and Managing Director and Council Member, IEI, Legend Technologies (India) Private Limited shared his personal experience right from his first job as an engineer at HAL to a successful entrepreneur as of now. He further enlightened students on evolution of startups and unicorns in India and a few insightful thoughts on what are the opportunities available for the new startups and challenges one

might face while emerging as a successful entrepreneur. He spoke about contribution made by Legend Technologies in developing PSLV, Gaganyaan Mission, Lakshya missile and other prestigious projects of ISRO and DRDO and also mentioned about his company's latest project two Seater Ultra-light Helicopter. Dr D S Suresh, Founder Chairman IEI-TLC, Director, CIT Group of Institutions and Chairman, ISTE (Karnataka) emphasized that 'to be a successful entrepreneur one must always respect and nurture the ideas he gets and must be on the constant look-out for sources that inspire innovation'.

Udaipur

Organized Seminar on 'Emerging Trends in Sustainable Manufacturing and Energy Systems' & Mr Y S Sardalia Memorial Lecture on 19 December 2021 at Udaipur. Chief Guest of the session, Mr P S Talesara, Managing Director, Pyrotech Electronic Private Limited Udaipur addressed the gathering on the occasion. Keynote Speaker of the event, Dr Sudhakar Jindal, Former Professor & Head, Department of Mechanical Engineering, College of Technology And Engineering, (CTAE) Udaipur, presently Director, Geetanjali Institute of Technical Studies, Udaipur, deliberated on the topic 'Alternative Energy Systems' and opined that in the coming decades, due to rapid shift to low carbon forms of energy, the renewable energy will play an important role in de-carbonization of energy systems and to reduce carbon emissions and air pollution. Keynote Speaker of the event, Dr B L Salvi, Associate Professor, Department of Mechanical Engineering, CTAE, Udaipur, deliberated on the topic 'Additive Manufacturing and 3D Printing' and explained the application of this technology in manufacturing, health care and continuous rapid development of complex designs in electronics applications. Keynote Speaker of the event, Mr Krishna Kant Sharma, Former Scientific Officer/Scientist, Rajasthan Atomic Station, Nuclear Power Corporation of India Limited, deliberated on the topic 'Advance Heavy Water Reactors' and explained significant aspects of power generation by means of indigenously pressurized heavy water reactors based on reprocessed Uranium.

Organized workshop on 'Tech Talk with Technocrats' in association with Institute of Engineering and Technology (IET), Mohanlal Sukhadia University, Udaipur on 22 January 2022 at Udaipur with an objective to motivate engineering student and make them aware of the industry.

Organized International Conference in association with S S College of Engineering, Udaipur on 'Creativity and Innovation in Technology Development' (ICCITD-22) on 25-26 February 2022 through online mode. The objective of this programme is to explore researched-based innovations in the field of Engineering and Technology. Dr (Prof) N S Rathore, Vice Chancellor, Maharana Pratap University of Agriculture and Technology, Udaipur graced the inaugural function as Chief Guest and Mr Miq Torrente, Vice President, M.K. Luxury Group, New York, USA and Prof (Dr) D P Kothari, Former Director, Indian Institute of Technology Delhi were the Guests of Honour. Keynote Speaker of the event, Mr K K Sharma, Ex-Scientist, Nuclear Power Corporation of India Limited, Rajasthan Atomic Power Station, Rawatbhata, Chittogarh spoke on the development of Indian Nuclear Power reactors. Dr Dipankar Deb, Professor, Electrical Engineering, Institute of Infrastructure, Technology, Photo Research and Management (IITRAM) spoke about innovations, disruptions and explained patents as the right way to introduce new technologies in the market. Dr Lata Gidwani, Associate Professor, Electrical Engineering Department, Rajasthan Technical University, Kota spoke about artificial intelligent systems. Dr S K Sinha, Professor Electrical Engineering Department, Amity University, Noida, spoke on electrical vehicles.

Vadodara

Organized webinar on 'Harmonics – The Real Concern with Increasing Share of Renewable Energy Sources' on 26 February 2022 at Vadodara. Speaker of the event, Dr Jignesh Patel, Technical Consultant (Power & Energy) explained briefly that harmonics plays the vital role in integration

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IEI Celebrates

World Telecommunication and Information Society Day 2022

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opined that technologies that can help them to solve some of the problems, which include Internet of Things (IoT), Artificial Intelligence and Robotics. Digital technologies. Prof Sunil Kumar C P, Chairman, Trichur Local Centre, IEI in his welcome speech, stressed on the importance of advanced technologies, digital advancements, etc for betterment of old peoples. Dr Kurien E K, Honorary Secretary, Trichur Local Centre, IEI proposed the vote of thanks.

Udaipur

Udaipur Local Centre, IEI, observed World Telecommunication and Information Society Day on 17 May 2022 at Udaipur. Keynote Speakers of the event were Mr Kaustubh Patil, Principal Technical Architect, Secure



Meters Limited, Udaipur and Mr Rajesh Nimare, Chief Technology Officer, Secure Meters Limited, Udaipur. Mr Patil in his address focused on more application of Artificial Intelligence in telecommunication sector to

accelerate the achievement of Sustainable Development Goals. Mr Nimare discussed the use of latest digital technologies for advanced diagnosis of diseases in elderly people and ensure treatment well in advance. Earlier, Mr Y K Bolia, Chairman, Udaipur Local Centre, IEI welcomed the Keynote Speakers. Mr Purushottam Paliwal, on behalf of Udaipur Local Centre proposed the vote of thanks.

Vadodara

Vadodara Local Centre, IEI in association with Computer Society of India, Vadodara and IETE, Vadodara Centre observed World Telecommunication and Information Society Day on 17 May 2022 at Vadodara. Speaker of the event, Dr Tushar Choksi, Consultant Anesthesiologist and Critical Care Physician spoke on the use of digital technologies for better health management for elderly peoples. Mr Ashok Patel, CEO, AB Industries, Vadodara mentioned the challenges encountered by the elderly people and how various devices and mechanism can help them. Earlier, Mr Ambikesh Natvarlal Padhya, Chairman, Vadodara Local Centre, IEI delivered the welcome address and at the end, Mr Keyurkant Manibhai Thakkar, Honorary Secretary, Vadodara Local Centre, IEI proposed the vote of thanks.

Varanasi

Varanasi Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Varanasi. Speaker of the event, Dr Ravi Panwar, Assistant Professor, Department of Electronics and Communication Engineering, Indian Institute of Information Technology, DM Jabalpur spoke on the topic 'Advanced EMI Shielding Techniques for Communication Applications' and explained recent developments in the field of metamaterial-inspired advanced microwave absorbing structures (MASs) and Frequency Selective Surface (FSS) based metamaterial structures for application as broadband microwave absorber. Mr Mahesh Seth, ITS, Chief General Manager, BSNL, ALTTC, Ghaziabad focused on technology driven health care services to improve the requirements of older people. Earlier, Mr Ramashanker Prasad Gupta, Chairman, Varanasi Local Centre welcomed the speaker and others presented in the event. Dr Saurabh Pratap, Honorary Secretary, Varanasi Local Centre, IEI proposed the vote of thanks.

News-in-Brief

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of inverter-based resources to grid. He further added that the design and location of harmonic filters have predominant effect on harmonic resonance. He spoke about the sensitivity analysis of modes to identify the root cause of harmonic resonance. He also added that the key advantage of modal analysis is the easy formulation, where other methods are lacking. Speaker Dr Vijay Shah, Vice President & Senior Principal Engineer – ABB India Limited briefed about the network configuration and converter type needs to be examined prior to connection of WTG. He mentioned that for some converters the network modification are required prior connecting the particular type of wind turbine generator (WTG) to the network.

Organized webinar in association with The Society of Power Engineers on the topic 'Power Reforms and Its Effects on Development' on 12 March 2022. Mr P H Rana, Independent Director, Madhya Gujarat Vij Company Limited (MGVCL) spoke on evolution of the institutional framework, problems of Power Sector, Energy Conservation Act, distribution of electricity, role of Regulatory Bodies, Electricity Act -2003, Regulations notified by Gujarat Electricity Regulatory Commission (GERC) and Central Electricity Authority (CEA), etc. Mr S M Takalkar, Managing Director, M/s Takalkar Power Engineers & Consultants Private Limited made presentation on the topic 'Power Reforms – Bonanza to the Service Sector', and covered scenario before reforms, change in scenario after reforms, bonanza to service sector and shared his experience. Mr Upendra Pande, Managing Director, GETCO

explained about evolution of electricity sector in India, legal framework, major amendments to the Act, National Grid – development & evolution, reforms in Gujarat Electricity Sector and development and overview of Gujarat Power Sector etc. Mr K P Jangid, General Manager (Commerce), Gujarat Urja Vikas Nigam Ltd (GUVNL) spoke on the topic 'Gujarat Power Sector – Impact of Reforms' covering impact of reforms on generation, open access, tariff, trading of power, financial restructuring & distribution sector, present scenario of power sector, etc. Mr Prasanna Kumar, Managing Director, Gujarat State Electricity Corporation Limited (GSECL) spoke on 'Gujarat Power Sector Development after Power Sector Reforms related to Power Generation' covering objectives of reforms/unbundling, outcome of reforms, generation – issues & challenges, future of Energy Transition, achievements of GSECL, etc. Mr Ashwin Khambhatta, former ACE, Gujarat Urja Vikas Nigam Limited (GUVNL) presented lecture on 'Power Sector Reform and its Impact in State of Gujarat' covering Structural overview of Power Sector, Indian Electricity Act 1910, Electricity Supply Act -1948, Electricity Regulatory Commissions Act – 1998, Electricity Act – 2003, etc.

Organized webinar on 'Road Safety Scenario & Audit' on 13 March 2022. While addressing the audience, Mr Sudhir Patel, Superintending Engineer (R&B), Vadodara spoke about importance of road safety, road safety Audit, etc. Mr Akash Saxena, Highway Engineer, Geo Design & Research Private Limited discussed on road safety scenario in India and overseas; and highlighted about Ministry's initiative on road safety; guiding principles and different stages of Road Safety Audit etc.

55th ENGINEERS' DAY

Theme: Smart Engineering for a Better World

September 15 is celebrated every year in the country since the year 1967 as "Engineers' Day" to commemorate the birthday of the legendary engineer Sir Mokshagundam Visvesvaraya. Sir Visvesvaraya, an eminent Indian engineer and statesman was born in a remote village of Karnataka, the State that is incidentally now the Hi-tech State of the country. Due to his outstanding contribution to the society, Government of India conferred "Bharat Ratna" on this legend in the year 1955. He was also called the precursor of economic planning in India. His learned discourse on Economic Planning in India, Planned Economy for India and Reconstructing India, was the first available document on the planning effort of the country and it is still held as the parent source matter for economic planners. A theme of national importance is chosen every year by the Council of the Institution and deliberated at its various State/Local Centres to educate the engineering fraternity in general and the society in particular. This year the 55th Engineers' Day will be celebrated all over the country on the theme "Smart Engineering for a Better World".



Bharat Ratna Sir M Visvesvaraya

The 55th Engineers Day celebration on the theme 'Smart Engineering for a Better World' will be observed by The Institution of Engineers (India) at its various State & Local Centres to take a stock of various capability and capacity building initiatives undertaken in crucial sectors like road and rail connectivity, drinking water, agriculture, healthcare and nutrition, affordable housing and better governance through induction of smart technologies to achieve Sustainable Development Goals in a phased manner. The societal engineering aspect will also be delved into as it is a deciding parameter in ascertaining the extent of for developing a smart infrastructure of inclusive

nature as well as creation of newer job openings. The theme 'Smart Engineering for a Better Future' also encompasses issue of environmental sustainability. There is no well established roadmap towards building a smart infrastructure and trying to replicate a generic global template might not work. Such developments are extremely contextual and should reflect challenges, priorities and aspirations at the regional level. The solutions would require synergy between industry, academia and government and should foster an ecosystem where different players can participate and share best practices and develop action plans for switching to a smart infrastructure for a sustainable and prosperous future.

The engineers need to understand that there is tremendous pressure on the existing service infrastructures which are inadequate and not designed to sustain challenges like air pollution, waste management, traffic congestions, effective healthcare and housing for all etc. This will require finding sustainable and inclusive solutions to provide affordable housing, healthcare, nutrition, mass rapid transportation and drinking water especially to the urban populace which may later be replicated in other areas in a phase wise manner.

An interesting commonality in the nature of these challenges is dealing with massive levels of digitization and generation of data. These perceived challenges are veiled opportunities to leverage data science and analytics and thereby induct smart engineering to deal with major global challenges, such as adverse effects of climate change, water scarcity, mixed energy usage, reducing the digital divide among others. The engineering profession is undergoing a paradigm shift with the induction of digitization and emphasis on man-machine interface with induction of logical thinking in machines. Automation and analytics has proved to be decisive and has brought about changes in conceptualization of all major verticals of engineering. Investing in capacity building of smart infrastructure ensuring smart delivery of civic services will serve the broad societal interest with ramifications leading to establishment of effective and accountable governance system congruent to our needs.

As engineers it is important that we adopt smart engineering to leapfrog into new realms in this era of smart engineering for a better tomorrow.



37th

INDIAN ENGINEERING CONGRESS

Chennai, December 16-18, 2022 (Tentative)

Theme:

Role of Engineers for Creating a Sustainable & Self Reliant India

Organized by

The Institution of Engineers (India)

Hosted by: **Tamilnadu State Centre**

IEI DIARY



Agricultural Engineering Division

Thirty-fifth National Convention of Agricultural Engineers on **"Utilization of Modern Technologies in Agricultural Engineering for Sustainable Agriculture Production"**

Hosur, September 16-17, 2022

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

Aerospace Engineering Division

Thirty-fifth National Convention of Aerospace Engineers on **"Smart Materials and their Applications in Aerospace Structures"**

Chandigarh, November 25-26, 2022

The Honorary Secretary, IEI, Punjab and 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]

Civil Engineering Division

All India Seminar on **"IoT in Civil Engineering"**

Chennai, September 01-02, 2022

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

All India Workshop on **"Design Competition of Domestic Incinerator for Semi-wet Waste"**

Kollam, September 17-18, 2022

The Honorary Secretary, IEI, Kollam Local Centre, Department of Chemical Engineering Building, TKM College of Engineering, Kollam 691005, Kerala [☎: 0474-2716699, Fax: 0474-2712023, E-mail: kollamlc@ieindia.org, Website: www.ieikollamlc.org]

Thirty-seventh National Convention of Civil Engineers on **"Emerging Technologies and Seismic Concerns"**

Indore, October 16-17, 2022

The Honorary Secretary, IEI, Indore Local Centre, SGSITS Campus, 23, Sir M Visvesvaraya Marg (Park Road), Indore 452003 [☎: 0731-2434057, E-mail: indorelc@ieindia.org, Website: www.ieindia.org]

All India Seminar on **"Air Quality Monitoring and Analysis: Challenges and Research Gap"**

Coimbatore, November 03-04, 2022

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

All India Seminar on **"Use of Green Technology in Road Construction"**

Ranchi, November 12-13, 2022

The Honorary Secretary, IEI, Jharkhand State

Centre, Engineer Bhawan, Nepal Kothi Campus, PO : Doranda, Ranchi 834002

[☎: 0651-2491344, Mobile: 9431382798,

E-mail : jharkhandsc@ieindia.org, Website:

ieijscjharkhand.org]

Chemical Engineering Division

Thirty-seventh National Convention of Chemical Engineers on **"Battery Energy Storage System"**, Chennai, September 09-10, 2022

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

Computer Engineering Division

All India Seminar on **"Role of AI, Machine Learning & Data Science in Modern Era"**

Bareilly, September 27-28, 2022

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

All India Seminar on **"Fullstack Developer Skills Breakdown along with AWS and Kubernetes"**

Kattankulathur, September 27-28, 2022

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

Thirty-fifth National Convention of Computer Engineers on **"Cyber Security/Privacy"**

Bareilly, February 18-19, 2023

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

Electrical Engineering Division

Thirty-seventh National Convention of Electrical Engineers on **"Green Energy and Clean Energy for New India"**

Jabalpur, November 12-13, 2022

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

All India Seminar on **"National Electrical Coding and Its Industrial Implementation"**

Kolkata, November 18-19, 2022

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

Electronics and Telecom. Engineering Division

All India Seminar on **"Mechatronics an Emerging Technology and Future Trends"**

Bareilly, September 06-07, 2022

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

All India Seminar on **"Recent Trends and Research Issues in Image Processing"**

Coimbatore, October 19-20, 2022

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

Thirty-seventh National Convention of Electronics & Telecommunication Engineers on **"The Impact of 5G: Creating New Value across Industries and Society"**

Hyderabad, November 18-19, 2022

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

All India Seminar on **"Importance of Calibration and Concepts of Uncertainty Measurements as per ISO/IEC 17025:2017 Standards"**

Coimbatore, December 01-02, 2022

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

One Day Seminar on **"Industrial Automation"**

Kanchepuram, December 13, 2022

The Honorary Secretary, IEI, Kanchepuram Local Centre, Jerusalem College of Engineering Campus, Velachery Main Road, Narayanapuram, Pallikaranai, Chennai 600100 [Mobile: 9789924739]

One Day Seminar on **"IEmerging Signal Processing Applications"**

Hyderabad, February 11, 2022

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.ieitsc.org.in]

Environmental Engineering Division

All India Seminar on **"Recycle and Reuse of Wastewater"**

Bareilly, October 16-17, 2022

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

Marine Engineering Division

Thirty-sixth National Convention of Marine Engineers on **"Contemporary Developments in Maritime Technologies"**

Visakhapatnam, October 15-16, 2022

The Honorary Secretary, IEI, Visakhapatnam Local Centre, 43-18-22, "Visvesvaraya Bhavan", Venkatarajunagar, Railway Station Road, Visakhapatnam 530016 [☎: 0891-2947460; E-mail: visakhapatnamlc@ieindia.org]

All India Seminar on **"Smart and Sustainable Marine Operations: Emerging Paradigm"**

Ranchi, January 07-08, 2023

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, PO : Doranda, Ranchi 834002 [☎: 0651-2491344, Mobile: 9431382798, E-mail : jharkhandsc@ieindia.org, Website: ieijscjharkhand.org]

Mechanical Engineering Division

All India Seminar on **"Digital Image Processing and Image Correlation Techniques for Defect and Deformation Measurement"**

Kattankulathur, October 24-25, 2022

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 **"Sustainable Development of Industries through Industry 4.0 Application"**

Belagavi, October 28-29, 2022

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, Web: www.ieilcbelagavi.org]

All India Seminar on **"Logistics and Supply Chain"**

Bareilly, November 11-12, 2022

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

All India Workshop on **"Solar Energy for Residential Application"**

Kancheipuram, November 10-11, 2022

The Honorary Secretary, IEI, Kancheipuram Local Centre, Jerusalem College of Engineering Campus, Velachery Main Road, Narayanapuram, Pallikaranai, Chennai 600100 [Mobile: 9789924739]

Thirty-seventh National Convention of Mechanical Engineers on **"Advances in Battery Technologies for Electric and Hybrid Vehicles"**

Hyderabad, December 09-10, 2022

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

All India Seminar on **"An Application and Performance Analysis of Refractories in the Thermal Power Plant"**

Bokaro Steel City, December 17-18, 2022

The Honorary Secretary, IEI, Bokaro Steel City Local Centre, Abhiyanta Bhawan, Sector V-A, Bokaro Steel City 827006, [☎: 06542-267227, E-mail : bokarolc@ieindia.org, Web: www.bokarolc.org]

All India Workshop on **"Smart Manufacturing and Automation using Advanced Robotics"**

Kancheipuram, 04-05 January, 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-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 : nagpurlc@ieindia.org]

Metallurgical & Materials Engg. Division

All India Seminar on **"Latest Developments in Engineering Materials and Manufacturing Processes"**

Jaipur, September 17-18, 2022

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

Thirty-fifth National Convention of Metallurgical & Materials Engineers **"Low-grade Ore and Waste: Challenges and Remedies"**

Durgapur, January 21-22, 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]

Mining Engineering Division

Thirty-second National Convention of Mining Engineers on **"Occupational Health Problem and Remedial Measures in Mining Operation"**

Durgapur, 03-04 December, 2022

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

Textile Engineering Division

Thirty-fourth National Convention of Textile Engineers on **"Innovative Textile Materials"**

Kanpur, September 10-11, 2022

The Honorary Secretary, IEI, Kanpur Local Centre, Engineers Bhawan, HBTU Campus, Nawabganj, Kanpur 208002 [☎: 0512-2560034, Mobile: 9140018277, E-mail: kanpurlc@ieindia.org, Website : www.ieikanpur.org]

All India Seminar on **"Sustainability in Apparel and Textile - 2022"**

Coimbatore, November 25-26, 2022

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

Thirty-fifth National Convention of Textile Engineers on **"Resource Efficient Technologies in Textile Manufacturing"**

Kolkata, February 11-12, 2023

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

Interdisciplinary Coordination Committee

All India Seminar on **"National Education Policy 2020: Synergies for Technical Education"**

Lucknow, September 24-25, 2022

The Honorary Secretary, IEI, Uttar Pradesh State Centre, Engineers' Bhawan, River Bank Colony, Lucknow 226018, [☎: 0522-2625322, E-mail : upsc@ieindia.org, Website: www.ieiup.org.in]

All India Seminar on **"Pipe Distribution Systems in Irrigation Project for Improving Water Use Efficiency"**

Hyderabad, October 21-22, 2022

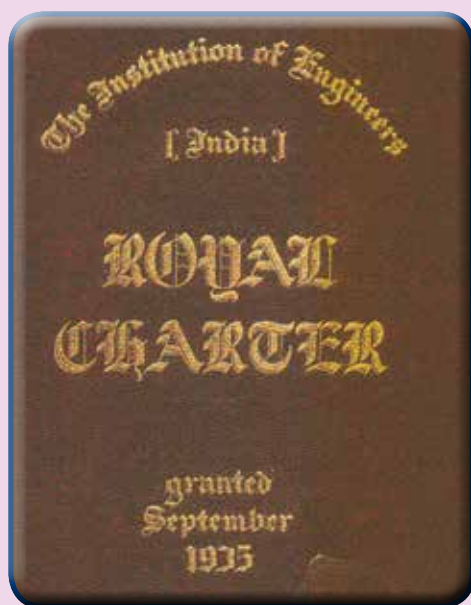
The Honorary Secretary, IEI, Telangana State Centre, IEI, 6-2-910, "Visvesvaraya Bhavan", Khairatabad, Hyderabad 500004 [☎: 040-23314969/23373087/23370779, E-mail: telanganasc@ieindia.org, Website: www.ieitsc.org.in]

All India Seminar on **"Data Analytics: End-to-End AI Solutions and Augmented Analytics"**,

Ranchi, December 10-11, 2022

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, PO : Doranda, Ranchi 834002 [☎: 0651-2491344, Mobile: 9431382798, E-mail : jharkhandsc@ieindia.org, Website: ieijscjharkhand.org]

ROYAL CHARTER DAY



Established in 1920, with its Headquarters at 8 Gokhale Road, Kolkata-700020, The Institution of Engineers (India) was incorporated by Royal Charter on September 09, 1935 and remains the only professional body in India to be accorded this honour.

As decided by the Council, on September 09 of every year, this day is observed by all Centres of IEI as Royal Charter Day. On this auspicious day, Royal Charter of Incorporation was granted to IEI by His Majesty, The King and Emperor George V at the Court at Buckingham Palace, London.

IEI AWARDS

CALL FOR PAPERS

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

The topics for the year 2022 are given hereunder.

SAIL AWARD

Countering Cyclic Downtrends in Steel Industry

DR M VISVESVARAYA AWARD

Contribution of Indian Steel Sector towards Net Zero Emission by 2070

The articles preferably restricting to 3000 words along with good quality photographs may be submitted along with a Declaration Form to award@ieindia.org within **October 15, 2022**. The template of the paper and the Declaration Form are enclosed, which are also available under the following link: https://www.ieindia.org/webui/IEI-Activities.aspx#Call_Papers

Intending contributors are requested to send the soft copy of the paper by email to award@ieindia.org (with subject heading Paper for SAIL/Dr M Visvesvaraya Award) and submit four nos. printed copies of their articles to :

Director (Technical)

The Institution of Engineers (India)

8 Gokhale Road, Kolkata 700 020.

Project Management Associates Weekend Programme



International Project Management Association

IPMA is a federation of about 72 Member Associations (MAs) who develop project management competences in their geographic areas of influence. Through IPMA, project management practitioners from all parts of the world can network, share ideas through effective collaboration and cooperation.

Who / Why to Attend

Professionals across all levels who want to understand the intricacies of Project Management and want to excel in managing projects to advance their career.

Discounted Program Registration Fee for IEI Members (15% discount from the published fee)

Participation Fee for Level C: Rs. 47,090 per person plus GST @ 18%

Participation Fee for Level D: Rs. 24,650/- per person plus GST @ 18%

- Registration fee is non refundable. However, alternate persons can be nominated.
- Cheque / draft or NEFT is payable to “**Project Management Associates**” at Delhi.
- The registration fee does not include travel and hotel accommodation.

Next batch of on-line learning sessions on Project Management Competence Building (PMCB) based on ICB Version 4, knowledge base for IPMA Level C and Level D by our Learning partner PMA is from **September 9th, 10th and 16th, 17th 2022**. The relevant material is available in the link <https://www.pma-india.org/brochures>.

Exam Dates for Level C: 24th, 30th September 2022 and 1st October, 2022 (0930 – 1730 hrs)

Exam Dates for Level D: 24th September 2022 (0930 – 1730 hrs)

Exam Venue: Secure and Seamless Online Exam & Assessment

For more details, please contact:

Arvind Agarwal, Head, PMA Cert (Certification Body)

Project Management Associates

FC-33, Plot No. 1 & 2, Periyar Centre, 3rd Floor, Institutional Area, Jasola, New Delhi – 110025

Tel: 011 41421511 Mob: +91 9711631534-35/39, 9840432229, Website: www.pma-india.org, Email: info@pma-india.org /

Be proud to be a Certified Professional Engineers (PE) and International Professional Engineers (IntPE)

Professional Engineers (PE) Certification by IEI

ELIGIBILITY REQUIREMENT

- BE/ BTech or equivalent recognised by Statutory Authority or Government of India
- Five years or more professional experiences
- Membership of recognised professional engineering institution / association
- Maintained Continued Professional Development (CPD) at a satisfactory level

For details, please visit the following link :

https://www.ieindia.org/webui/IEI_PE_Certification.aspx

International Professional Engineers (IntPE) Certification by IEI

ELIGIBILITY REQUIREMENT

- BE/ BTech or equivalent recognised by Statutory Authority or Government of India
- Seven years or more professional experiences
- Minimum two years professional experience in significant engineering activity
- Membership of recognised professional engineering institution / association
- Maintained Continued Professional Development (CPD) at a satisfactory level

For details, please visit the following link :

https://www.ieindia.org/webui/IEI_IntPE_Certification.aspx

The eligible candidate can submit application in the prescribed format to:
The PE Cell, The Institution of Engineers (India), 8 Gokhale Road, Kolkata 700020

For any query and assistance, please send email to: pe@ieindia.org

ANNOUNCEMENT**Celebration of 'fib Days 2022' at Kolkata on 12 September 2022**

IMC-fib will observe "fib Days 2022" on 12 September 2022 at Kolkata in hybrid mode, for facilitating international participation, with the objective of sharing the outcome of the fib Congress 2022, held in Oslo, Norway, with the engineering community of our country.

Dr Akio Kasuga, President, fib, and Dr David Fernandez Ordonez, Secretary General, fib have kindly consented to be the Chief Guest and Guest of Honor respectively in the inaugural session of the program. Eminent officials/engineers/professionals/ researchers from abroad/country having expertise in the field of Structural concrete would join the program.

The 'fib Days 2022' intend to bring to the participant the latest developments in Concrete Construction and Technology, as reflected in the projects across the world during the last four years, as was presented during the 6th fib International Congress held at Oslo, Norway in June 2022. The IMC-fib committee of The Institution of Engineers (India), together with fib (International) invites you to participate in the 'fib Days 2022' event.

The details of the event along with the information brochure and the registration form are available on our website under 'IEI Highlights'

2022 WFEO C.C.C H.J. Sabbagh Prize for Excellence in Engineering Construction

Call for Nominations

The WFEO Executive Board has agreed to extend the nominations period of the **2022 WFEO C.C.C H.J. Sabbagh Prize for Excellence in Engineering Construction**.

The theme of this year's award has been revised and extended in order to better reflect the extraordinary context of Covid-19, and the diversity of contributions of civil engineers to building more sustainable infrastructures.

The details of the Award and the Nomination form are available on the homepage of IEI website under Bulletin. The access link is as follows:

https://www.ieindia.org/WebUI/ajax/Downloads/WebUI_PDF/HIGHLIGHTS_DOCUMENT-3303.pdf

This nominations are to be sent via email to wfeo-awards@wfeo.org by 16 September 2022.

IEI Industry Excellence Award 2022

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 2022. The last date of receipt of application for the Award 2022 is **30 September 2022**. 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

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