



# IEI Celebrates World Engineering Day for Sustainable Development 2021

*Theme*  
**Engineering for A Healthy  
Planet: Celebrating the  
UNESCO  
Engineering Report**

World Engineering Day for Sustainable Development was celebrated by the Centres of the Institution all over the country on March 04, 2021. Brief accounts of the celebration as received from various Centres are reported hereunder.

## STATE CENTRES

### Bihar

Bihar State Centre, IEI observed World Engineering Day for Sustainable Development on 6 March 2021 and organized a round table discussion on the theme of the day. At the outset, Mr Nishi Kant Prasad Sinha, Chairman, Bihar State Centre welcomed the guests and participants. Eminent dignitaries, graced the occasion were; Mr K N Sahay, Dr B K Sahay, Prof (Dr) Sanjeev Sinha, Mr S M Sahay, Mr B N Singh, Mr K A P Singh, Mr Shakti Saurabh and Mr Prashant Kumar. Mr Kumar Abhay Pratap Singh, Honorary Secretary, Bihar State Centre proposed the vote of thanks.

### Chhattisgarh

Chhattisgarh State Centre of the Institution observed World Engineering Day for Sustainable Development on 13 March 2021 through online platform. Chief Guest on the function, Mr Pradeep Chaturvedi, Chairman, Interdisciplinary Coordination Committee, IEI in his address explained the roles of engineers to achieve the Sustainable Development Goals. Keynote Speaker on the occasion, Mr Rakesh Dubey, Director, ERDMP Academy, Bhopal delivered lecture on the topic 'Sustainable Development Goals – Challenges & Opportunities'. Mr Salil Shrivastava, OSD, Department of Housing and Environment, Government of Chhattisgarh delivered his address on the topic 'Sustainable Development of Cities'. Earlier, Mr Anil Kumar Sharma, Chairman, Chhattisgarh State Centre delivered the welcome address and reminded about the collective accountability towards Mother Earth.

### Gujarat

Gujarat State Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 in hybrid mode, through both online and offline platform, jointly with the World Federation of Engineering Organizations (WFEO), Indus University, Ahmedabad and Water Management Forum, IEI. Mr Navinchandra B Vasoya, Past President & Council Member, IEI and Member, Executive Council, World Federation of Engineering Organizations presided over the function. Chief Guest on the occasion, Mr M P Raval, Special Secretary (Saurashtra), Water Resources Department, Government of Gujarat & Immediate Past Chairman, Water Management Forum, IEI explained the Sustainable Goals of UNESCO and the challenges for infrastructure development. Guest of Honour, Prof. Dr Ing. Anupam Kumar Singh, Director, Indus University, Ahmedabad explained the methodology to achieve sustainable development goals by the engineers. Keynote speaker, Prof (Dr) Santhaveerana Goud, Civil Engineering Department, Bangalore University delivered lecture on the theme of the day. Earlier, Mr H U Kalyani, Chairman, Gujarat State Centre, IEI delivered the welcome address.

### Jammu & Kashmir

Jammu & Kashmir State Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 through cloud mode. The event was inaugurated by Mr Bashir Ahmed Dar, Secretary (Technical), Power Development Department, Government of J & K. Welcome address was

deliberated by Mr Aamir Ali Mir, Chairman, Jammu and Kashmir State Centre. Speakers during the function were Dr Amir Ali Khan, Faculty, National Institute of Disaster Management, Government of India, Mr Shoukat Jeelani, Chief Engineer, R&B, Kashmir, Mr Rashid Ahmed Dar, Chief Engineer, Mechanical Engineering Department and Mr Iftikar Ahmed Kakroo, Chief Engineer, Irrigation and Flood Control, Kashmir. Ms M Sultana Waheed Deva, Honorary Secretary, Jammu & Kashmir State Centre proposed the vote of thanks.

### Puducherry

Puducherry State Centre, IEI observed World Engineering Day for Sustainable Development on 6 March 2021 and organized a guest lecture on the theme. Dr R Ilansezhian, Professor, Department of Mechanical Engineering and Placement Officer, Puducherry Technological University, was the speaker on the occasion. Mr M Dhanasekaran, Chairman and Managing Director, Sri Manakula Vinayagar Educational Trust also addressed the audience. Dr R Saravanane, Chairman, Puducherry State Centre, IEI and Professor & Head, Department of Civil Engineering, Puducherry Technological University delivered the welcome speech. Dr B Radjaram, Honorary Secretary, Puducherry State Centre proposed the vote of thanks.

### Punjab & Chandigarh

Punjab & Chandigarh State Centre, IEI in association with Babbar Akali Memorial Khalsa College, Garhshankar, Punjab observed World Engineering Day for Sustainable Development on 4 March 2021 through online platform. Prof (Dr) T S Kamal, Council Member and Chairman, Electronics and Telecommunication Engineering Division Board, (ETDB), IEI was the Chief Guest and Dr Jagpal Singh Ubhi, Professor, Electronics and Communication Engineering Department, Sant Longowal Institute of Engineering and Technology, Sangrur was the Key Speaker of the event. Earlier, Mr Sukhviri Singh Mundi, Chairman, Punjab & Chandigarh State Centre and Council Member, IEI delivered the welcome address. Prof (Dr) Baljit Singh, Honorary Secretary, Punjab & Chandigarh State Centre proposed the vote of thanks.

### Tamil Nadu

Tamil Nadu State Centre, IEI observed World Engineering Day for Sustainable Development on 6 March 2021. Dr A Sivathanu Pillai, Founder CEO & MD, BrahMos Aerospace was the Chief Guest during the function. Dr Pillai, in his address explained different dimensions of sustainable development, green revolution, different sources of clean energy generation, satellite debris etc. Dr T M Gunaraja, Immediate Past President, IEI and Dr L Karunamoorthy, Member, Production Engineering Division Board, IEI, Professor, Department of Mechanical Engineering and Registrar, Anna University, Chennai were the Guest of Honours. Earlier, Mr R Ramdoss, Chairman, Tamilnadu State Centre, IEI delivered the welcome address. Dr R Velraj, Former Director, Department of Energy Studies, Anna University, Chennai delivered the Thematic address. Mr S Kannan, Honorary Secretary, Tamilnadu State Centre proposed the vote of thanks.

## Telangana

Telangana State Centre, IEI observed World Engineering Day for Sustainable Development through organising a Webinar on 4 March 2021. Er Narendra Singh, President, IEI graced the function as Chief Guest. Guest of Honours during the function were Dr I V Muralikrishna, Professor and Director (R&D), JNTUH; Dr Shaik Basha, Senior Principal Scientist & Head, CSIR-NEERI; Dr M Gopal Naik, Professor and Head, Department of Civil Engineering, University College of Engineering, Osmania University; Dr M V S S Giridhar, Professor & HOD, Centre for Water Resources Institute of Science & Technology, JNTUH; Prof. K V L Subramaniam, Professor, Department of Civil Engineering, IIT Hyderabad; Dr A Gangagni Rao, Chief Scientist, CSIR-IICT; Dr R Pradeep Kumar, Professor of Civil Engineering & Head, Earthquake Engineering Research Centre, IIT Hyderabad were made their presentations on the occasion. Earlier, Dr G Rameshwar Rao, Chairman, Telangana State Centre welcomed the audience. Mr T Anjaiah, Honorary Secretary, Telangana State Centre proposed the vote of thanks.

## Uttar Pradesh

Uttar Pradesh State Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 through online mode. Keynote Speaker on this occasion, Mr Masarrat Noor Khan, Former Managing Director, U P State Bridge Corporation and Chief Engineer (Retd), PWD delivered lecture on the theme. Earlier, Mr Rajesh Kumar Trivedi, Chairman, UP State Centre, IEI welcomed all and spoke about the importance of the day. Convener of the program, Mr V B Singh, Chairman, Civil Engineering Division Board, IEI addressed the audience. Mr Prabhat Kiran Chaurasia, Honorary Secretary, UP State Centre proposed the vote of thanks.

## West Bengal

West Bengal State Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021. Eminent speakers, Prof A K M Saiful Islam, Institute of Water and Flood Management, Bangladesh University of Engineering and Technology (BUET), Dhaka and Prof (Dr) Saptarshi Sankar Chakraborti, Techno India University presented their lectures on the theme of the day. Mr Sisir Kumar Banerjee, Past President, IEI was present on the occasion and expressed his views. Earlier, Mr Sandip Kumar Deb, Chairman, West Bengal State Centre delivered the welcome address. Mr Kalipada Das, Honorary Secretary, West Bengal State Centre proposed the vote of thanks.

## LOCAL CENTRES

### Agra

Agra Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021. Chief Guest on the occasion, Prof. V K Saraswat, Director, Institute of Engineering and Technology, Dr Bhim Rao University Khandari Campus Agra emphasized on access to clean water, sanitation, reliable energy etc for the holistic development of the society. Dr R K Jain, Head, Department of Biotechnology Engineering, Anand Engineering College Agra was the Keynote speaker during the session. Earlier, Mr Devendra Singh Chaudhary, Honorary Secretary, Agra Local Centre welcomed the audience. Dr Ashok Yadav, Chairman, Agra Local Centre also addressed the audience.

### Aligarh

Aligarh Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021. Chief Guest, Prof. Hamid Ali, Former Dean, Faculty of Engineering & Technology, Aligarh Muslim University delivered lecture on the occasion and talked about the importance of sustainable development in different spheres. Guest of Honour, Mr Arun Kumar Gupta, PCS, Additional Municipal Commissioner, Aligarh Nagar Nigam shared his views, experience for sustainable development. Earlier, Mr Suresh Chandra Gupta, Chairman, Aligarh Local Centre delivered the welcome address. Prof (Dr) Nadeem Khalil, Honorary Secretary, Aligarh Local Centre introduced about the theme.

## Angul

Angul Local Centre, IEI observed World Engineering Day for Sustainable Development and organised a webinar on the theme of the day on 4 March 2021. The Chief Speaker on the occasion, Prof (Dr) T G Sitharam, Director, Indian Institute of Technology Guwahati in his address stressed on the role of engineering community for sustainable development in general and solution to water scarcity and security in particular. Mr A P Panda, Executive Director, NALCO also spoke in this occasion. At the outset, Mr Sangram Keshari Samantaray, Chairman, Angul Local Centre welcomed the dignitaries and participants. Mr Siba Ram Panda, Honorary Secretary, Angul Local Centre introduced the Chief Speaker and at the end of the session, proposed the vote of thanks.

## Aurangabad

Aurangabad Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 through online platform. Chief Guest on the occasion, Prof Pranav Bansode, Founder of Merago Labs, Director at Vishwaganga Electrical Works and Former HOD, Civil Engineering Department, International Centre of Excellence in Engineering and Management, (ICEEM), Aurangabad delivered lecture on the theme. Earlier, Dr D C Gour, Chairman, Aurangabad Local Centre delivered the welcome address. Prof. Sandeep B Mundhe, Honorary Secretary, Aurangabad Local Centre proposed the vote of thanks.

## Bareilly

Bareilly Local Centre, IEI observed World Engineering Day for Sustainable Development on the theme of the day on 4 March 2021. Mr Devesh Kumar Tiwari, Chief Engineer, PWD, Bareilly was the Chief Guest on the occasion and Mr Atul Kumar Garg, General Manager (Utilities.) IFFCO, Bareilly was the Keynote speaker. In the technical session, Dr Chhavi Sharma, Mahatma Jyotiba Phule Rohilkhand (MJPR) University, Bareilly, Mr Sovan Mohanty Shri Ram Murti Smarak Institute (SRMS), Bareilly and Mr Suhail Javed Quaraishi from Invertis University, Bareilly presented lecture on the theme and shared their views. Earlier, Mr Sudhir Gupta, Chairman, Bareilly Local Centre welcomed the Chief Guest, Keynote speaker and other dignitaries. Mr Mahendrakumar Agarwal, Honorary Secretary, Bareilly Local Centre proposed the vote of thanks.

## Belapur

Belapur Local Centre, IEI in association with FCRI, Vashi observed World Engineering Day for Sustainable Development on 4 March 2021 through online mode. Mr V Ravikanth, Assistant Vice President, Reliance Industries Limited, the Keynote speaker of the day in his address explained the role of geo-synthetic materials in Sustainable Development. Earlier, Mr Keshav K Varkhedkar, Chairman, Belapur Local Centre delivered the welcome address and elaborated the theme. Dr Samir Chandrakant Nimkar, Honorary Secretary, Belapur Local Centre proposed the vote of thanks.

## Belagavi

Belagavi Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 vide online platform. Dr Karisiddappa, Vice Chancellor, Visvesvaraya Technological University, Belagavi was the Chief Guest on the occasion and spoke on the theme. Earlier, Prof (Dr) Sidramappa Vaman Itti, Chairman, Belagavi Local Centre, IEI welcomed the participants. Mr Basavanneppa G Dharenni, Honorary Secretary, Belagavi Local Centre, IEI proposed the vote of thanks.

## Bhatinda

Bharinda Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 through online platform. Dr R K Bansal, Professor, Maharaja Ranjit Singh Punjab Technical University (MRSPTU) delivered lecture on the theme of the day and discussed the importance of engineering for sustainable development in modern life. Earlier, Prof (Dr) Jagtar Singh, Chairman, Bhatinda Local Centre delivered the welcome address.

## **Bokaro Steel City**

Bokaro Steel City Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021. Chief Guest, Mr Sanjay Sen, Chief General Manager, MECON Limited, Bokaro Unit and Member, Environmental Engineering Division Board, IEI inaugurated the function and addressed on the occasion. Mr Nitesh Ranjan, AGM (Environment), SAIL, Bokaro Steel Plant, Mr C P Sahay, Ex DGM (Traffic), SAIL, Bokaro Steel Plant and Mr Arunesh Kumar, Ex AGM (Safety), SAIL, Bokaro Steel Plant presented papers on the theme. Mr Yogendra Nath Singh, Chairman, Bokaro Steel City Local Centre welcomed the dignitaries and explained the importance of the day. Mr Deo Prasad Jha, Honorary Secretary, Bokaro Steel City Local Centre proposed the vote of thanks.

## **Brahmapur**

Brahmapur Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 at Brahmapur. Prof (Dr) Ranjan Kumar Swain, Principal, Parala Maharaja Government Engineering College, Government of Odisha graced the function as Chief Guest. Chief Speaker of the event, Mr Rabindra Kumar Sahu, Deputy Director, Water & Soil Conservation Mission, Government of Odisha deliberated on the objectives and methodologies of soil and water conservation. Mr K B Choudhury, Former Senior General Manager, Southco, Odisha emphasized on the use of solar power. Initially, Mr Arun Kumar Padhi, Chairman, Brahmapur Local Centre in his welcome address highlighted the adoption of advanced engineering methodologies for development of the society and uplifting the life style of common people. Mr Surendra Kumar Panigrahi, Honorary Secretary, Brahmapur Local Centre proposed the vote of thanks.

## **Coimbatore**

Coimbatore Local Centre, IEI in association with Department of Automobile Engineering, Hindusthan College of Engineering and Technology, Coimbatore observed World Engineering Day for Sustainable Development on 4 March 2021 through online platform. The Chief Guest, Mr C Prakash, Former General Manager (R&D Engine Specialist), Product Development Division, Ashok Leyland, Chennai presented a lecture on the topic 'BSVI Engine Technology'. Earlier, Mr P R Natarajan, Chairman, Coimbatore Local Centre welcomed the chief guest and participants of the webinar. Dr H Ram Mohan, Honorary Secretary, Coimbatore Local Centre, IEI delivered vote of thanks.

## **Dharwad**

Dharwad Local Centre, IEI observed World Engineering Day for Sustainable Development on 9 March 2021. Chief Guest on the occasion, Mr K V Maglad, Superintending Engineer (Retd), Karnataka Power Corporation Limited in his address explained construction safety measures and practices. Earlier, Prof (Dr) Ramesh Laxman Chakrasali, Chairman, Dharwad Local Centre, IEI delivered the welcome address.

## **Durgapur**

Durgapur Local Centre, IEI observed World Engineering Day for Sustainable Development on 6 March 2021. Mr Santosh Chandra, Chief Executive Officer, Essar Oil & Gas Exploration and Production Limited, Mumbai was the Chief Guest and Keynote Speaker during the function and Dr Abhiram Hens, Chemical Engineering Department, NIT Durgapur was the Guest of Honour. Earlier, Prof (Dr) Kartik Chandra Ghanta, Chairman, Durgapur Local Centre welcomed the Chief Guest, Guest of Honour, the dignitaries and the august audience. The programme was concluded with vote of thanks by Mr M K Biswal, Honorary Secretary, Durgapur Local Centre.

## **Faridabad**

Faridabad Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 through digital mode. On this occasion, Mr Tushar Sogani, Principal Architect & Managing Director, Tushar Sogani Designs Private Limited (TSDPL), Jaipur presented lecture on the topic 'Sustainable Architecture – Power of Passive Design'. Mr Ashu Gupta, Managing Partner, Design2Occupancy Services presented lecture on the

topic 'Energy Efficient Design in Buildings' and Mr Neeraj Khare, Founder Managing Director, Adishaktyai India presented lecture on the topic 'Eco friendly, Fire Safe, Low Loss & Compact Transformers for Sustainable Habitat'. Earlier, Mr Sandeep Handa, Chairman, Faridabad Local Centre delivered the welcome address and mentioned that the event is an opportunity to celebrate the important contributions of engineers and engineering to sustainable development and modern life. Mr Kuldip Raj Gupta, Honorary Secretary, Faridabad Local Centre proposed the vote of thanks.

## **Ghaziabad**

Observed World Engineering Day for Sustainable Development on 4 March 2021 through virtual meet. Chief Guest during the session, Mr Gaurav Vatsa, Vice President, Analytics, EXL, New Delhi presented lecture on the topic 'Data Science and its Role in transforming Small & Medium Enterprises' and elaborately explained application of data science in multidisciplinary fields. Mr R K Agarwal, General Manager, Gomti Pollution Control Unit, UP Jal Nigam was present during the function. Earlier, welcome address was delivered by Mr Jai Pal Singh, Chairman, Ghaziabad Local Centre. Mr Chitra Kumar Tyagi, Honorary Secretary, Ghaziabad Local Centre introduced the theme of the day and at the end of the session, proposed the vote of thanks.

## **Gorakhpur**

Gorakhpur Local Centre of the Institution observed World Engineering Day for Sustainable Development on 4 March 2021 through organising a webinar. Speaker during the function were, Dr Awadhesh Kumar, Department of Electrical Engineering MMMUT Gorakhpur and Prof (Dr) Brijesh Kumar, Department of Electronics & Communications Engineering, MMMUT Gorakhpur deliberated lectures on the theme of the day. Mr Dharendra Chaturvedi, Chairman, Gorakhpur Local Centre delivered the welcome address. Mr Rajesh Kumar Trivedi, Chairman, UP State Centre also graced the occasion. Mr Ved Prakash Gupta, Honorary Secretary, Gorakhpur Local Centre proposed the vote of thanks.

## **Gwalior**

Gwalior Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 at Gwalior by organising a Seminar. Dr Chhavi Shighal, Director (Technical), Global Education Consultant Services delivered lecture in this occasion and stated that engineers are required to collaborate solutions for sustainable development. Mr Balbir Sikarwar, Executive Engineer, Gwalior Municipal Corporation in his lecture stressed on municipal solid waste management to keep the cities clean, protect the environment and at the same time minimise the cost through recovery of energy and resources through Waste to Energy technologies, such as Anaerobic Digestion, Incineration, Pyrolysis and Gasification. Mr R K Datey, Executive Director (Retd.), Madhya Pradesh Power Generation Company Limited, (MPPGCL), in his address opined that engineers should exercise harvesting clean energy through grid-tie systems and focus on finding solutions of worldwide food shortages. Mr Rahul Sharma, Manager, Engineering & Design, NHPC Limited in his lecture mentioned that technological advancement in mega structure construction not only accelerate the job progress, but also make the structure durable and serviceable for long run with strength and reliability. Mr Vinay Ojha, M/s Hing Rolling Shutter Fabricator deliberated on the status of steel market and mentioned that steel production growth is still positive in most of the regions. Mr Rahul Khanvilkar, HRM Diverselynx India Private Limited, Noida, Mr R K Khetan, Visiting Professor, Vikrant Institute of Technology and Management (VITM), Gwalior, also delivered lecture on this occasion. Earlier, Mr Prabhat Kumar Bhargava, Chairman, Gwalior Local Centre delivered the welcome address. Vote of thanks proposed by Mr P Y Khanvilkar, Honorary Secretary, Gwalior Local Centre.

## **Jammu**

Jammu Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 and organised a Seminar on the theme of the day. Mr Hem Raj, Regional Officer, NHAI (J&K), Jammu was the Chief

Guest on the occasion. Mr P K Nanda, Mr B L Rawal, Mr Vinod Kumar, Mr Ranjeev Sawhney, Mr Mir Muneer Hussain and Mr Akash Dugotra presented papers on the theme and touched various issues imperative for the engineers, planners, policy makers and public at large to adopt for sustenance of technological developments in all spheres of life without depletion of available natural resources. At the outset, Dr (Prof) Sanjay Khar, Chairman, Jammu Local Centre delivered the welcome address. Mr C Paul Sharma, Honorary Secretary, Jammu Local Centre proposed the vote of thanks.

### **Jamshedpur**

World Engineering Day for Sustainable Development was observed by Jamshedpur Local Centre, IEI on 4 March, 2021 through virtual mode. The function was started with welcome address by Mr Anurag Saxena, Chairman, Jamshedpur Local Centre. The Keynote Speaker for the function, Mr Asish Kumar Garg, Senior Manager, Instrumentation, Tata Steel Limited, Jamshedpur while deliberating on the theme, mentioned that in today's context, climate change is the most important topic and that the world is perilously close to the tipping point beyond which there is little hope of stopping the march to oblivion. The only way to prevent this catastrophe is to stop emission of carbon to net zero before further rise in temperature, he opined. The speaker further elaborated that moving to a circular economy is a formidable challenge in a highly competitive, market driven world as traditionally, designers and innovators do not consider environmental sustainability when marketing their products and services and the sad reality is that, environment sustenance considerations lead to increased business cost. The speaker recommended innovative engineering and technology solutions, which are crucial to effective delivery of environment sustainability. Sound Engineering solutions are essential to achieve UN Sustainable Development Goals, which include provision for clean water, clean air and nutritious food to the society, he added. The function concluded with a vote of thanks by Mr Pravesh Kumar Dhawan, Honorary Secretary, Jamshedpur Local Centre.

### **Kadapa**

Kadapa Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021. On this occasion, a Lecture Meeting was organised in association with Sri Venkateswara Institute of Science & Technology. Dr Kasigari Prasad, Associate Professor, Department of Electronics and Communication Engineering, Annamacharya Institute of Technology and Sciences (AITS), Rajampet delivered lecture on the theme of the day. Dr V Adinarayana Reddy, Honorary Secretary, Kadapa Local Centre welcomed the audience.

### **Kancheipuram**

Kanchipuram Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 through online platform. Keynote Speaker on the occasion, Mr M Manoharan, Ex-General Manager, Ashok Leyland delivered lecture on the theme of the day. Mr D Arthur Jebastine Sunderraj, Department of Mechanical Engineering, St. Joseph's Institute of Technology, Chennai also discussed on the theme. Earlier, Prof (Dr) K Palanikumar, Chairman, Kancheipuram Local Centre and Council Member, IEI delivered the welcome address.

### **Kanpur**

Kanpur Local Centre, IEI in association with The Institution of Electronics & Telecommunication Engineers, Kanpur Centre and IEEE, Uttar Pradesh Section observed World Engineering Day for Sustainable Development on 4 March 2021 through online mode. Dr Keshav Kant, Retired Professor, Department of Mechanical Engineering, Indian Institute of Technology Kanpur was the guest speaker on this occasion and delivered the Keynote lecture on the topic 'Dimethyl Ether – A Prospective Future Fuel' and explained the significance and applications of alternative fuels. Earlier, Prof (Dr) J Ramkumar, Chairman, Kanpur Local Centre delivered the welcome

address. Dr Rajat Kumar Khare, Honorary Secretary, Kanpur Local Centre proposed the vote of thanks.

### **Kalpakkam**

Kalpakkam Local Centre of the Institution observed World Engineering Day for Sustainable Development on 6 March 2021. Chief Guest, Dr Prasad Reddy, Head, Creep Studies Section, Mechanical Metallurgy Division, Materials and Metallurgy Group, Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam delivered lecture on the topic 'Creep and Fatigue Properties of 316LN Stainless Steels'. He explained the role of nitrogen content in 316LN Stainless Steel on transitions in fracture mode from transgranular failure to intergranular failures and also highlighted the factors controlling the creep-fatigue deformation. Earlier, Mr M Shanmuga Sundaram, Honorary Secretary, Kalpakkam Local Centre delivered the welcome address and at the end of the function, he also proposed the vote of thanks.

### **Kota**

Kota Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 at Kota. On the occasion, a technical lecture was organized on the theme of the day. Chief Guest during the session, Dr Vijay Sardana, Principal, Government Medical College, Kota and Chief Controller, Associated Group of Hospitals, Kota explained in detail, applications of bio-medical engineering including magnetic resonance imaging, cardiac implants, bionic eye, applications of tele-medicine and robotics in healthcare sector etc. Guest of Honour, Prof (Dr) Anil K Mathur, Dean, Faculty Affairs, Rajasthan Technical University, Kota opined for leveraging of technologies for a healthy planet, which require increased collaboration between those who create the tools and those who understand to face the challenges within the systems and act as the matchmakers between the technology partners, problem solvers and philanthropists, that leads to purposeful relationships to shape and implement innovative ideas for sustainable development. Speaker of the day, Prof (Dr) B P Suneja, Dean, Faculty of Engineering & Architecture, Rajasthan Technical University, Kota delivered lecture on the topic 'New Education Policy vis-a-vis Healthy Planet'. Earlier, Mr Anand Bardava, Chairman, Kota Local Centre welcomed the distinguished guests, speakers, dignitaries and participants. Mr Jasmat Singh, Convener of the programme extended the vote of thanks.

### **Madurai**

Madurai Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021. Chief Guest, Prof (Dr) A V Ramprasad, Principal, K L N College of Engineering, Pottapalayam delivered speech on the theme. Mr S Rajagopal, Chairman, Madurai Local Centre delivered the welcome speech. Mr P Rajamani, Chairman, Electrical Engineering Division Board, IEI was present during the function. Mr R Narayanasamy, Honorary Secretary, Madurai Local Centre proposed the vote of thanks.

### **Meerut**

Meerut Local Centre, IEI jointly with Jabalpur Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 through online mode. Chief Guest during the session, Mr V B Singh, Chairman, Civil Engineering Division Board, IEI explained the role of IEI in achieving Sustainable Development Goals (SDGs). Guest Speaker during the occasion, Mr V K Sahu, General Manager (Retd) and Principal Estate Manager, Madhya Pradesh Electricity Board expressed his views. Keynote Speaker of the day, Mr K C Jain, Chief Engineer (Retd), Government of Botswana, Zimbabwe, South Africa, in his lecture concentrated on the globalization of Indian construction industry including dimension and impact of globalization on architecture and architectural ethics. Mr Rakesh Kumar Rathore, Council Member, IEI was present. Earlier, Mr Rajneesh Kumar, Chairman, Meerut Local Centre welcomed the guests, speakers and dignitaries. Mr Tarun Kumar Anand, Chairman, Jabalpur Local Centre introduced the subject of the webinar. Prof P C Agarwal, Department of Mechanical Engineering, Oriental Institute of Science and Technology

Jabalpur delivered the concluding remarks. Mr Mohan Lal Jain, Honorary Secretary, Meerut Local Centre proposed the vote of thanks.

### **Neyveli**

Neyveli Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March, 2021 through online mode. Chief Guest, Dr M Ravichandra Babu, Director, National Power Training Institute, Shivpuri deliberated lecture on the theme. Dr Babu in his lecture briefed about the installed capacity of India in renewable and non-renewable energy sectors, per capita energy consumption, transmission and distribution loss in India, different issues, challenges and opportunities in sustainable development etc. Earlier, Mr A Sekar, Honorary Secretary, Neyveli Local Centre welcomed the Chief Guest and participants and at the end also proposed the vote of thanks.

### **North Bengal**

North Bengal Local Centre of the Institution observed World Engineering Day for Sustainable Development on 4 March 2021 by organising a table discussion on the theme of the day. Welcome address was delivered by Dr Santanu Das, Honorary Secretary, North Bengal Local Centre. Mr Goutam Bairagi and Mr G K Panda deliberated over the theme of the day on behalf of host Centre. Other dignitaries present during the occasion were Mr Asim Mahapatra, Mr P K Saha, Mr Nimai Mukherjee, Mr Amitava Ray, Mr P Roy and Mr Chinmoy Ghosh. Dr Santanu Das, Honorary Secretary, North Bengal Local Centre proposed the vote of thanks.

### **Palghat**

Palghat Local Centre, IEI observed World Engineering Day for Sustainable Development on 7 March 2021 through online platform. Speaker, Dr P R Sreemahadevan Pillai, Director, Ahalia Group of Academic Institutions deliberated lecture on the theme. Mr K Unni Krishnan, Chairman, Palghat Local Centre welcomed all. Mr A Ramesh, Honorary Secretary, Palghat Local Centre proposed the vote of thanks.

### **Saurashtra**

Saurashtra Local Centre of the Institution in association with Shri Labhubhai Trivedi Institute of Engineering & Technology, Rajkot observed World Engineering Day for Sustainable Development on 4 March, 2021 through online platform. Speaker on the occasion, Mr Shwtal Shah, Technical Advisor, Climate Change Department, Government of Gujarat delivered lecture on the topic 'Engineering for a Healthy Planet', Mr Ranchhod K Babaria, Honorary Secretary, Saurashtra Local Centre proposed the vote of thanks.

### **Sunabeda**

Sunabeda Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March, 2021 via online mode. Chief Speaker of the event, Prof (Dr) M S Bobji, Department of Mechanical Engineering, Indian Institute of Science, Bangalore deliberated lecture on this occasion and explained sustainable development from different perspectives through facts and figures. Earlier, Mr Arabinda Swamy, Honorary Secretary, Sunabeda Local Centre welcomed the audience.

### **Tirunelveli**

Tirunelveli Local Centre, IEI observed World Engineering Day for Sustainable Development on 6 March 2021. Dr S Baburegarajan, Chairman, Tirunelveli

Local Centre acted as resource person and delivered lecture on the theme of the day. Dr R Velayutham, Honorary Secretary, Tirunelveli Local Centre inaugurated the session.

### **Trichur**

Trichur Local Centre, IEI observed World Engineering Day for Sustainable Development through online platform on 4 March, 2021. Prof. V A Sudhakaran, Former Professor and Head, Civil Engineering Department, Government Engineering College, Thrissur delivered lecture on the theme of the day. Earlier, Mr V G Sankaranarayanan, Chairman, Trichur Local Centre delivered the welcome address. Mr M N Sasidharan Achari, Honorary Secretary, Trichur Local Centre proposed the vote of thanks.

### **Tiruvallur**

Tiruvallur Local Centre, IEI observed World Engineering Day for Sustainable Development on 24 March 2021 at Tiruvallur. Mr P Muthuramalingam, Virogreen India Private Limited, Gummidipoondi, deliberated on new start ups on e-waste management. Earlier, welcome address was delivered by Mr G Jeyarajan, Chairman, Tiruvallur Local Centre. Dr L Ramesh, Honorary Secretary, Tiruvallur Local Centre mentioned the importance of engineering advancements towards achieving UN Sustainable Development Goals.

### **Upper Assam**

Upper Assam Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 through online platform. On the occasion, technical papers were presented by Ms Mayuri Deka, Safety Officer, Assam Petrochemicals Limited (APL) on the topic 'Engineering for A Healthy Planet', Mr Uddipan Kayashap, HSE Officer, Duliajan Numaligarh Pipeline Limited (DNPL) on 'Innovation for Sustainability', Mr Devanga G Borah, Manager (Production), APL on 'Sea Water Desalination', Mr Rakesh Kalita, Deputy Manager (Excavation) NEC, Coal India Limited on the topic 'Sustainable Agriculture' and Mr Rakesh Rajkhowa, Senior Engineer (Mechanical), DNPL on the topic 'Human Development by Implementing ICT'. Earlier, Mr Sasanka Pratim Deka, Chairman, Upper Assam Local Centre presented welcome address. Mr Debajeet Sharma, Honorary Secretary, Upper Assam Local Centre proposed the vote of thanks.

### **Varanasi**

Varanasi Local Centre, IEI observed World Engineering Day for Sustainable Development on 4 March 2021 in association with the Department of Agricultural Engineering, Institute of Agricultural Sciences, Banaras Hindu University (BHU) through hybrid mode. Prof V K Chandola, Professor, Department of Agricultural Engineering, Institute of Agricultural Sciences, BHU deliberated lecture on the theme of the day. Prof A S Raghubanshi, Professor & Director, Institute of Environment & Sustainable Development, Banaras Hindu University deliberated lecture on the topic 'Engineering for Sustainable Future: Challenges and Opportunities'. Prof Vinod Kumar Mishra, Department of Genetics and Plant Breeding, Institute of Agricultural Sciences, BHU presented lecture on the topic 'Bio-Fortification : Engineering the Solution to Sustainable Livelihood'. Earlier, Prof (Dr) Siddh Nath Upadhyay, Chairman, Varanasi Local Centre, IEI presented the welcome address. At the end of the session, Mr Santosh Kumar, Honorary Secretary, Varanasi Local Centre proposed the vote of thanks.