

# IEI Celebrates

## World Telecommunication and Information Society Day

# 2021

**Theme: Accelerating Digital Transformation in Challenging Times**

**World Telecommunication and Information Society Day was celebrated by the Centres of the Institution all over the country on May 17, 2021 through Webinars. Brief Reports as received from various Centres are given hereunder.**

### STATE CENTRES

#### Gujarat

Gujarat State Centre, IEI observed World Telecommunication & Information Society Day on 17 May 2021 jointly with Computer Society of India Ahmedabad Chapter, Sankalchand Patel University, Visnagar and The Institution of Electronics & Telecommunication Engineers, Ahmedabad through digital mode. Chief Guest, Mr B S Patel, Council Member, IEI and Director & CEO, Yudiz Solution Private Limited addressed the virtual audience and briefed the significance of the theme related to the current pandemic situation. He mentioned that information collected can be shared at the common platform with relevant data for larger use of society and stressed enhanced cooperation between governments, business communities, UN bodies, civil society and other stakeholders in this challenging situation and recommended to strengthen and reinforce the importance of developing digital strategies and other technology-driven initiatives as part of digital transformation. Keynote speaker of the session, Mr Sanjay Sawhney, Senior Project Manager, Shaw Communication, Canada deliberated regarding the evaluation of wireless technology in India. Keynote speaker, Ms Nagini Madhuranthakam, Director, Vision India (in absentia) conveyed her message. Mr Niraj Shah, Chairman, Computer Society of India, Ahmedabad Chapter, Mr R M Makwana, Chairman, The Institution of Electronics and Telecommunication Engineers, Ahmedabad Chapter and Prof (Dr) D J Shah, Director, Technical Courses, Sankalchand Patel College of Engineering, Visnagar were present during the function and addressed the audience. Earlier Mr Hiro Udhavdas Kalyani, Chairman, Gujarat State Centre and Council Member, IEI delivered the welcome address.

#### Jammu & Kashmir

Jammu & Kashmir State Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2021 and organised a technical webinar in collaboration with the National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India, Department of Telecom, J&K LSA, Ministry of Communications, Government of India, SSM College of Engineering & Technology, Parihaspora, Pattan, National Informatics Centre-J&K and State Emergency Operation Centre, Srinagar. Chief Guest, Dr Kailash Chandra Panday, Senior Deputy Director-General, Department of Telecom, Ministry of Communications, Government of India in his address, stated that digital technology plays the most important role in achieving UN Sustainable Development Goals and digital transformation has created a value system and improved efficiency, which helped in creating transparency and capacity development. He mentioned that a digitally empowered society can bring socio-economic transformation in India.

Keynote speaker on the occasion, Major General Manoj Kumar Bindal, Executive Director, National Institute of Disaster Management stated that, due to the challenging situation, the pandemic has accelerated the digital transformation process which results improved efficiency. He said that the protocols and procedures will keep changing and digital transformation will

usher in a culture of transparency, by enhancing efficiency and effectiveness. He also added that the use of technology has helped improve the quality of life and human well-being and is being used by different stakeholders, for achieving the defined UN Sustainable Development Goals. He stated that the global perspective has brought all the stakeholders together for effective use of technology to highlight the strengths and weaknesses, identification of pertinent the issues and raise awareness. Er Narendra Singh, President, IEI conveyed his message for the success of the Webinar. Mr Radhey Shyam Parmar, Deputy Director-General, Dept of Telecom, J&K LSA; Mr Mohammed Saleem Khan, Scientist F, Additional State Informatics Officer-J&K; Mr Syed Irfan Yaqoob, Assistant Professor, SSM College of Engineering and Technology, Parihaspora and Mr Sandeep Baruah, Scientist F, Vigyan Prasar, Ministry of Science and Technology, Government of India were also present and addressed the audience. Mr Aamir Ali Mir, Chairman, Jammu & Kashmir State Centre and Council Member, IEI welcomed all and coordinated the event along with Dr Amir A Khan, Faculty NIDM. The programme was moderated by Ms M Aaquib Sultana Waheed Deva, Honorary Secretary, Jammu& Kashmir State Centre.

#### Jharkhand

Jharkhand State Centre, IEI observed World Telecommunication & Information Society Day on 17 May 2021 and organised a technical webinar on the theme. Mr Umesh Prasad Sah, General Manager, Business Area, BSNL, Ranchi graced the function as Chief Guest and in his address stressed the importance of digitization of businesses. The Keynote address was delivered by Mr Vishal H Shah, Assistant Professor, Department of Electronics and Communication Engineering, BIT Mesra, Ranchi. In his deliberation, Mr Shah deliberated on different stages of Digital Transformation and elaborated on the role of digital transformation during the current pandemic. Ms Sumaiyya Khan, Manager – HR, M/s Milli-Amps Energy Solutions, Mumbai was the Moderator of the programme. Earlier, the welcome address was delivered by Mr Siyaranjan Kumar Singh, Chairman, Jharkhand State Centre and Council Member, IEI. Mr Jitendra Kumar, Honorary Secretary, Jharkhand State Centre proposed the vote of thanks.

#### Punjab & Chandigarh

Punjab & Chandigarh State Centre, IEI observed World Telecommunication and Information Society Day through online mode on 17 May, 2021 in association with the IEEE Students' Chapter, Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib. Prof Amod Kumar, Former Chief Scientist, CSIR-Central Scientific Instruments Organisation, Chandigarh was the Chief Guest and Dr Jagpal Singh Ubhi, Professor, Electronics and Communication Engineering Department, Sant Longowal Institute of Engineering and Technology, Longowal was the Keynote Speaker of the event. Prof Amod Kumar, in his address focused on the impact of ICT in healthcare services during the pandemic times, when the quality of patient care and patient data protection and security increase, whereas the operating

and administrative overhead reduced. He mentioned the role of digital platforms to combat infectious diseases and, also to build a more resilient society during this period of crisis. Dr Jagpal Singh Ubhi in his lecture mentioned the role of information and communication technologies (ICTs) in providing necessary support to the society from different perspectives. He also mentioned that the rollout of 5G technology would be a catalyst to the digital revolution and added the underlying challenges to implement 5G services. Earlier, Mr Sukhviri Singh Mundi, Chairman, Punjab & Chandigarh State Centre and Council Member, IEI welcomed the guests and participants and told that the celebration of World Telecommunications day aims for making information and communication easily accessible to people living in remote parts and rural areas of the world and also bridge the gap in society, economies and the digital divide.

### Uttar Pradesh

Uttar Pradesh State Centre, IEI observed World Telecommunication & Information Society Day on 17 May 2021 in association with Babu Banarasi Das Northern India Institute of Technology (BBDNIIT), Lucknow, and organised a technical webinar on the theme of the day. On the occasion, Chief Guest, Prof (Dr) V K Singh, Director (Engineering), Babu Banarasi Das Northern India Institute of Technology, Lucknow emphasized the importance of communication and information technology in the economic and social development of the country. Keynote Speaker, Prof (Dr) Praveen Shukla, Head of IT Department, BBDNIIT, Lucknow discussed in detail the use of telecommunication and artificial intelligence in health care sector and the role of drones and robots in dealing with Covid. He further highlighted the importance of telemedicine with special reference to Covid-19. Mr V B Singh, Chairman, Civil Engineering Division Board and Council Member, IEI moderated over the session and discussed in detail the contribution of Information Technology and Artificial Intelligence in dealing with Corona menace. Earlier, Mr Rajesh Kumar Trivedi, Chairman, Uttar Pradesh State Centre and Council Member, IEI welcomed all the participants of the webinar. At the end of the function, Mr Prabhat Kiran Chaurasia, Honorary Secretary, Uttar Pradesh State Centre, proposed the vote of thanks.

### Rajasthan

Rajasthan State Centre, IEI observed World Telecommunication & Information Society Day on 17 May 2021 and organised a technical webinar on the theme. Panellist, Mr Gunjan Saxena, Deputy Director-General, Department of Telecommunication, Rajasthan delivered lecture on the theme very efficiently and explores different avenues of digital transformation, 5G standards, Spectrum-3GPP 5G, New Radio two frequency bands, IoT and Big Data. Earlier, Mr Sajjan Singh Yadav, Chairman, Rajasthan State Centre and Council Member, IEI welcomed the audience and Mr Mahendra Kumar Chauhan, Honorary Secretary, Rajasthan State Centre, IEI conveyed the vote of thanks at the end of the session.

## LOCAL CENTRES

### Ahmednagar

Ahmednagar Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2021 in association with Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College of Engineering, Satara and organized a technical webinar on the theme. Keynote Speaker, Prof (Dr) Bhalchandra B Godbole, Former Dean, Academics, KBP College of Engineering, Satara delivered keynote address on the theme. During deliberation, Prof Godbole explained various forms of digitalization, applications of digitalization in various fields, including industries, information technology, communications, etc. He mentioned that with the advent of high-speed technology at low cost, the means of communication has massively changed which added values to the business and customer relations. Earlier, Mr Sangam Sinha, Chairman, Ahmednagar Local Centre, IEI delivered the welcome address and highlighted the advantages and benefits of automation and digital revolution.

### Bareilly

Bareilly Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2021 in association with Rajshree Institute of Management & Technology, Bareilly and organized a technical webinar on the theme. Panellists, Ms Tulika Agarwal, Academic Advisor and Dr Pankaj Sharma, Director, Rajshree Institute of Management & Technology, Bareilly delivered lectures on the theme of the day and explained that information and communication technologies emerged as the backbone to help humanity deal with any crisis. The event started with the welcome address delivered by Mr Sudhir Kumar Gupta, Chairman, Bareilly Local Centre. Mr L S Maurya, Mr B S Bajwa, Mr K B Agrawal, Mr S C Sundrani and Dr Raveesh Agarwal also shared their views and experience on the topic. Mr Mahendrakumar. Agarwal, Honorary Secretary, Bareilly Local Centre proposed the vote of thanks.

### Bathinda

Bathinda Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2021 in collaboration with Yadavindra College of Engineering, Talwandi Sabo, Bathinda and organized a technical webinar on the theme. Chief Guest of the event, Prof (Dr) T S Kamal, Council Member, IEI deliberated on the theme and mentioned the need to move forward with the goals set by the International Telecommunication Union (ITU) for the year 2030. On the occasion, Mr Sukhviri Singh Mundi, Chairman, Punjab & Chandigarh State Centre and Council Member, IEI was the Guest of Honour. Keynote Speaker on the occasion, Ms Manpreet Kaur, Assistant Professor, Department of Electronics and Communication Engineering, Yadavindra College of Engineering delivered lecture on the theme. Earlier, Dr Jagtar Singh, Chairman, Bathinda Local Centre and Council Member, IEI welcomed the members and distinguished Guests. Mr J S Deol, Honorary Secretary, Bathinda Local Centre, IEI proposed the vote of thanks.

### Belapur

World Telecommunication & Information Society Day was observed by Belapur Local Centre of the Institution on 17 May 2021 through online mode. Speaker of the event, Mr Biswa Das, R&D Team Manager, Process Automation Digital, ABB delivered lecture on the theme of the day and explained the present and future prospects of the digital transformation from the industrial point of view. He also highlighted the upcoming opportunities in this field. The program started with welcome address delivered by Dr Mohan Balwant. Dagaonkar, Council Member, IEI. Vote of thanks was delivered by Dr Samir Chandrakant Nimkar, Honorary Secretary, Belapur Local Centre.

### Bokaro Steel City

Bokaro Steel City Local Centre, IEI observed world Telecommunication and Information Society Day on 17 May 2021 and organised a technical webinar on the theme. Chief Guest of the event, Mr B K Sartepe, Chief General Manager, C A & Communication, SAIL, Bokaro Steel Plant inaugurated the webinar. In his address, he spoke about the transformation of telecommunication system for the past decades, and the tremendous accelerated progress of the fifth Generation Mobile Network and stated that engineers should learn about the applications of digital transformation to control manpower, maintenance and enhance productivity. Keynote Speaker, Mr N P Srivastava, General Manager, Environment, SAIL, Bokaro Steel Plant spoke about the importance of telecommunication in the present pandemic situation which has gone up manifold. Earlier, Mr Yogendra Nath Singh, Chairman, Bokaro Steel City Local Centre, IEI welcomed dignitaries and members joining the webinar and stated about the importance of celebration of the day and urged the engineers to extend the digital facilities to the remote places of villages worldwide to achieve UN Sustainable Development Goal 2030. Mr Jayant Kumar, Deputy Manager, Telecommunication Department, SAIL, Bokaro Steel Plant presented paper on the topic '5<sup>th</sup> Generation of Mobile Technologies' and Mr Y S N Reddy, Manager, Telecommunication, SAIL, Bokaro Steel Plant on the topic 'Driving digital transformation through Artificial Intelligence'.

## Faridabad

Faridabad Local Centre, IEI observed World Telecommunication & Information Society Day on 15 May 2021 through the digital platform. Eminent Panellists namely Dr Charu Virmani, Associate Professor, Department of Computer Science Engineering, Manav Rachna International Institute of Research and Studies (MRIIRS) Faridabad; Mr Shailender Kumar, Group Manager, Broadcast Operations, Zee Entertainment Enterprise Limited and Dr Shruti Vashist, HoD & Dean Students Welfare, Department of Electronics & Communication Engineering, Manav Rachna University, Faridabad graced the event with their extremely enlightening and informative deliberations. Dr Charu Virmani, in her lecture, explained the functional aspects of routed optical networking. Mr Shailender Kumar presented his lecture on the topic 'Evolution in Technologies'. Dr Shruti Vashist presented her lecture on the topic 'Digital Transformation'. Dr Rajender Kumar, Associate Professor, Manav Rachna International Institute of Research and Studies moderated the session. Mr Sandeep Handa, Chairman, Faridabad Local Centre, IEI in his opening address stated that During the COVID-19 pandemic, information and communication technologies (ICTs) played an important role in the continued functioning of societies and minimize inequalities between and within countries and the pandemic also highlighted the need for accelerating digital transformation. Mr Kuldip Raj Gupta, Honorary Secretary, Faridabad Local Centre concluded the session with vote of thanks.

## Gorakhpur

Gorakhpur Local Centre, IEI observed World Telecommunication & Information Society Day on 22 May 2021 and organised a technical webinar on the theme of the day. Mr V B Singh, Council Member and Chairman, Civil Engineering Division Board, IEI, Mr Rajesh Kumar Trivedi, Council Member & Chairman, Uttar Pradesh State Centre, IEI and Mr Prabhat Kiran Chaurasia, Honorary Secretary, Uttar Pradesh State Centre, IEI graced the occasion with their august presence. Prof Sanjay Kumar Soni, Department of Electronics & Communication Engineering, Madan Mohan Malviya University of Technology, (MMMUT), Gorakhpur & Ms Deepti Ojha, Head of Department, Department of Electronics & Communication Engineering, Institute of Technology and Management (ITM), GIDA, Gorakhpur were present on the occasion as speakers. Prof. Soni, in his address, briefed about the history of telecommunication and the generation of Cellular Technology. Prof Soni further explained role of IoT, IoMT and Artificial Intelligence and explained the application of drone in the agriculture sector. Ms Ojha deliberated on cyber security, MATLAB and image processing and the achievement of the digital world. The speaker mentioned that building online presence with the right mix of technology, content and marketing is essential to survive in the new world. Earlier, Mr Dharendra Chaturvedi, Chairman, Gorakhpur Local Centre, IEI welcomed the speakers and audience. Mr Ved Prakash Gupta, Honorary Secretary, Gorakhpur Local Centre proposed the vote of thanks.

## Jamshedpur

Jamshedpur Local Centre observed World Telecommunication and Information Society Day on 17 May 2021 and organised a technical webinar on the theme. Keynote Speaker on the occasion, Mr Jeet Banerjee, Assistant Professor, Department of Electronics and Communication Engineering, School of Engineering and Technology, Adamas University, Kolkata covered various aspects of ICT including 'what, how and when' of Digital Transformation, methods and strategies to implement digital transformations in organizations, the disruptive forces enabling digital transformations, IoT and Cloud Computing in specific and about the impact of implementing digital transformations in organizations. The function was started with the welcome address, delivered by Mr Anurag Saxena, Chairman, Jamshedpur Local Centre. He also spoke about the importance of the day and introduced the theme of the day to the audience. The function was concluded with the vote of thanks by Mr Pravesh Kumar Dhawan, Honorary Secretary, Jamshedpur Local Centre.

## Kanpur

Kanpur Local Centre, IEI observed World Telecommunication & Information Society Day on 17 May 2021 jointly with The Institution of Electronics & Telecommunication Engineers, Kanpur Centre, The Institution of Electrical and Electronics Engineers (IEEE), UP Section, Department of Computer Science & Engineering, Harcourt Butler Technical University (HBTU), Kanpur and Incubation Hub, Harcourt Butler Technical University, Kanpur on the theme of the day through online mode. Prof Samsher, Vice-Chancellor, HBTU, Kanpur graced the function as Chief Guest. Dr Jayakumar S, Consultant, Digital Signal Processing IoT / DL was the theme speaker on this occasion and delivered lecture on the theme, covering major aspects of Digital Transformation. Dr Devi Prasad Shetty deliberated on the role of IoT, AI and Deep Learning Algorithm in healthcare services. Prof (Dr) J Ramkumar, Chairman, Kanpur Local Centre delivered the welcome address.

## Kattankulathur

Kattankulathur Local Centre of the Institution observed World Telecommunication & Information Society Day on 18 May 2021 and organised a technical webinar on the theme of the day. The Speaker of the session, Mr S Saravanan, Chief Technology Officer, Bharti Airtel explained digital transformation, digital paradoxes, digital capability which the telecommunications can operate with and digital governance. Earlier, Prof (Dr) P T Ravichandran, Chairman, Kattankulathur Local Centre, IEI welcomed the dignitaries and participants, present in the webinar. Dr (Ms) S Dhanalakshmi, Honorary Secretary, Kattankulathur Local Centre proposed the vote of thanks.

## Meerut

Meerut Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2021 by organizing a technical webinar on the theme of the day. Keynote Speaker during the session, Mr Neeraj Joshi, Assistant Professor, Department of Electronics and Communication Engineering, Meerut Institute of Engineering and Technology discussed Artificial Intelligence and its applications in the industry & daily life and explained in details, application of IoT in smart homes, smart city, self-driven cars, retail shops, farming, wearable, smart grids, industrial internet, telehealth and smart supply chain management. Mr Joshi also discussed different issues on digital governance, e-learning and digital divide and their implications. Earlier, Mr Rajneesh Kumar, Chairman, Meerut Local Centre, IEI welcomed all and highlighted the importance of the day. The event was concluded with the vote of thanks by Mr Mohan Lal Jain, Honorary Secretary, Meerut Local Centre, IEI.

## Neyveli

Neyveli Local Centre, IEI observed World Telecommunication & Information Society Day on 17 May 2021 and organised a technical webinar on the theme. Chief Guest, Mr R Rajasekaran, Sonos, USA, CMC (India), Texas Instruments, Broadcom, Huawei, QuickLogic, deliberated lecture on the theme and explained the fundamental blocks of digitization, the present status of digitization and how fast it is accelerating. The speaker deliberated on data generation, data processing, data communication and data consumption. He further explained the communication trends prevailing today and projecting the future in this regard. Further, he touched upon few fundamentals on communication and in that flow briefed about the most important things and described digital communication, Entropy, Channel capacity, etc. He continued with the recent trends in IT and communication, which include Cloud computing, Data Analytics, IoT, Edge Computing, Neural Network and AI, etc. Before concluding, he explained, how Artificial Intelligence Machines are taking over with exponential growth on the technologies of sensing, Big Data and Machine Learning. Earlier, Mr A Sekar, Honorary Secretary, Neyveli Local Centre, IEI welcomed the Chief Guest, participants briefed about the World Telecommunication & Information Society Day and at the end, after summarizing the deliberation, proposed the vote of thanks.

## North Bengal

North Bengal Local Centre, IEI observed World Telecommunication & Information Society Day on 17 May 2021 through virtual mode. Theme Speaker of the day, Mr Chinmoy Ghosh, Assistant Professor, Department of Computer Science and Engineering, Jalpaiguri Government Engineering College delivered lecture on the theme and Mr Ghosh briefly described different aspects of Information and Communication Technology (ICT) and mentioned that ICT is capable to store, retrieve, manipulate, transmit or receive information electronically in a digital form. Mr Goutam Bairagi, Mr Asim Mahapatra, Mr Ujjal Dey joined the discussion along with Mr Santanu Das, Honorary Secretary, North Bengal Local Centre, IEI and shared their views. Earlier, the welcome address was delivered by Mr Santanu Das, Honorary Secretary, North Bengal Local Centre and at the end of the session, proposed the vote of thanks.

## Saurashtra

Saurashtra Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2021 and organized a technical webinar in association with A V Parekh Technical Institute, Rajkot on the theme. Mr Piyush Dalsania, Lecturer, Electronics and Communication Engineering Department, A V Parekh Technical Institute delivered lecture on the theme. Earlier, Dr Ashit Sureshchandra Pandya, Chairman, Saurashtra Local Centre, IEI welcomed all presented in the virtual session. Mr Ranchhod Kanjibhai Babaria, Honorary Secretary, Saurashtra Local Centre proposed the vote of thanks.

## Udaipur

Udaipur Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2021 and organised a technical webinar on the theme. Keynote Speaker on the occasion, Mr Ajit Kumar Jain, General Manager, Secure Meters Limited, Udaipur delivered his presentation on the

exchange of information via telephone or computer using the internet as a digital broadcast. Earlier, Mr Yawanti Kumar Bolia, Chairman, Udaipur Local Centre, IEI delivered the welcome address. and highlighted the significance of the digital transfer of technology. At the end of the session, Mr Chandra Prakash Jain, Honorary Secretary, Udaipur Local Centre, IEI also spoke on digital transformation and proposed the vote of thanks.

## Upper Assam

Upper Assam Local Centre, IEI observed World Telecommunication & Information Society Day on 17 May 2021 through online platform. Mr Sasanka Pratim Deka, Chairman, Upper Assam Local Centre, IEI delivered the welcome address. Miss Mayuri Deka, Safety Officer, Assam Petrochemicals Limited (APL) presented paper on the topic 'The Digital Era: The New Era of Human-Machine Relationship'. Mr Devanga G. Borah, Manager Production, APL on the topic "Bluetooth Technology" and Mr Rakesh Kalita, Deputy Manager, Excavation, NEC, Coal India Limited on the topic "Few Advancements in Telecommunication". Mr Dibakar Bhattacharjee, Ex-Deputy General Manager, Indian Oil Corporation Limited AOD moderated over the function. Mr Debajeet Sarma, Honorary Secretary, Upper Assam Local Centre, IEI proposed the vote of thanks.

## Varanasi

Varanasi Local Centre of the Institution observed World Telecommunication & Information Society Day on 23 May 2021 and organised a technical webinar on the theme. Speaker during the event, Prof S K Kak, Former professor, Department of Electronics Engineering, IIT BHU delivered lecture on the topic 'Digitalization & its Impact on Post COVID World and deliberation on digital techniques, digitalization in health care, agriculture, education, manufacturing, retailing, logistics and governance. Mr V B Singh, Council Member, IEI was also present during the function. Earlier, Prof (Dr) Siddh Nath Upadhyay, Chairman, Varanasi Local Centre, IEI delivered the welcome address. Mr Santosh Kumar, Honorary Secretary, Varanasi Local Centre proposed the vote of thanks.