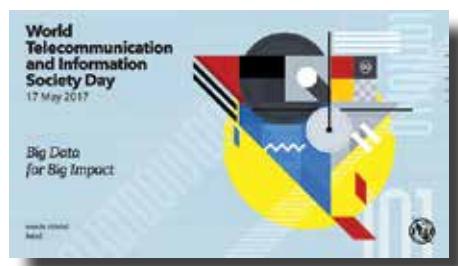


# World Telecommunication and Information Society Day 2017

## Theme : Big Data for Big Impact

World Telecommunication and Information Society Day was celebrated by the Centres of the Institution all over the country on May 17, 2017. Brief reports as received from various Centres are given hereunder.



### STATE CENTRES

#### Andhra Pradesh

The Guest Speaker, Mr Pammi Kalee Prasad, Senior Engineering Assistant, Doordarshan Kendra, Vijayawada, mentioned that a flood of data is created every day by the interactions of billions of people using computers, GPS devices, cell phones and medical devices. He felt that concerted action is needed by the government, development organizations and companies to ensure that the data helps the individuals and communities who create it. The Chief Guest, Mr K Damodar Rao, Chief General Manager, Telecom, Andhra Pradesh Centre, Vijayawada, stated that future belongs to Big Data and he explained BSNL's contributions towards this revolution. He stressed on the importance of Big Data on Government Policy implementation including National Disaster Management, Aadhar UID etc. Dr M Kamaraju, Chairman of the Centre, presided over the function. Earlier, Mr Vijay Kumar, Faculty of Electronics and Communication Engineering Department, Gudlavalluru Engineering College, Gudlavalluru, Andhra Pradesh, welcomed the gathering. Mr G V Srinivasulu, Honorary Secretary of the Centre, proposed the vote of thanks.



#### Assam



The Chief Guest, Prof Dhiraj Bora, Vice-Chancellor, Assam Science and Technology University, Guwahati, highlighted the contemporary issues embracing the theme of the day. Mr Prabir Kumar Das, Director, Software Technology Parks of India, Guwahati Centre, in his Keynote Address

elaborated various technical aspects of the theme. Dr R K Sharma, Pro-Vice Chancellor, USTM delivered lecture on 'Big Data for Big Impact'. Earlier, Mr Amitava Nath, Organising Secretary of the event welcomed the gathering while Mr Satya Jyoti Nath of BSNL deliberated on the significance of celebrating World Telecommunication & Information Society Day and read out the message sent by Secretary General, ITU on this occasion. Dr A K Baruwa, Chairman of the Centre, presided over the function and addressed the gathering. Dr P K Mahanta, Honorary Secretary of the Centre proposed the vote of thanks.

#### Bihar

Mr Ashok Kumar Sinha, Chairman of the Centre, welcomed the dignitaries and participants and highlighted the significance of observance of this important day. He also elaborated the theme. Mr Ramesh Kumar, Chairman, Beltron Telecom Green Energy System Ltd, in his Keynote Address, stated that Telecommunication and Computer Informatics together helped us to change completely from traditional letters and telegraphs to the present emails and social media. Dr J P Singh, Assistant



Professor, Computer Science & Engineering, NIT, Patna, also deliberated on the theme of the day. Dr A K Shrivastava, Council Member, IEI, presided over the function. The vote of thanks was proposed by Mr Sandeep Prakash, Honorary Secretary of the Centre.

#### Chhattisgarh

Mr J P Saboo, Chairman of the Centre, delivered the welcome address. The Chief Guest, Dr Pradeep Kumar Sinha, Vice Chancellor & Director, International Institute of Information Technology, Raipur, explained the future of development in the area of electronics and telecommunication. He also narrated various issues of educational development in the field of information technologies. The Keynote Speaker, Mr Ashok Kumar Upadhyay, Principal General Manager (NWP/CFA), BSNL, Raipur, explained the history of telecommunication technology in the country and present development being done by various departments and companies. The function was concluded with the vote of thanks proposed by Dr V K Pandey, Honorary Secretary of the Centre.



#### Delhi

Mr Devendra Gill, Chairman of the Centre, welcomed the gathering and highlighted various activities of IEI to raise the awareness regarding use of internet and other information and communication technologies (ICT) that



can bring revolutionary advantages to societies and economies. The Chief Guest, Prof A P Mittal, Member Secretary, AICTE, highlighted the growth of usage of ICTs in day to day life and its significance in Technical Education Sector. He informed that AICTE is vigorously working towards the upliftment of Technical Institutions

in the country by way of facilitating them to participate in innovative competition programme. The Keynote Speaker, Mr Shiv Kumar, Technical Director, National Informatics Centre (NIC) informed how NIC has been actively handling the vast data received from various sources in the society to assist Government in handling critical and burning issues. Mr R N Rajpoot, Chairman, Institution of Engineering & Technology (UK), Delhi Local Network also addressed the gathering. Mr Praveen Kumar Singh, Honorary Secretary of the Centre, proposed the vote of thanks.

#### Goa

Mr G M N Parrikar, Chairman of the Centre, welcomed the august gathering. Mr Gerard D'Mello, Immediate Past Chairman of the Centre, spoke on the significance of observing World Telecommunication and Information Society Day. He also elaborated the theme of the day. Prof Rakesh Shrivastava, Guest Speaker from Goa Institute of Management delivered a lecture on this occasion. While speaking on the importance of Data, Prof Shrivastava stressed the need for its





use in a positive way for the development of the nation. The revamped website ([www.ieigoasc.org](http://www.ieigoasc.org)) of the Centre was launched on this occasion. Mr Austin Rodrigues deliberated on the importance of the revamped website.

## Gujarat

Mr Navinchandra B Vasoya, President, IEI presided over the function and gave an insight about the role of IEI in the nation building activities. The Chief Guest, Dr Pradeep Kumar Hota, Chief General Manager, Gujarat Telecom Circle addressed the gathering with factual statistics which were interesting and noteworthy for professionals working in telecommunication areas. The theme speakers, Mr Manish Soota, Vice-President, Cignex Datamatics and Mr Vijay Shah, Head Marketing India, Apttus, deliberated on the theme and discussed on the current trends, issues and challenges and the opportunities for computer professionals, students in the field of Big Data. Both the speakers stressed on the content/data being generated through social media which is highly unstructured and transforming into meaningful information is a big challenge but at the same time it is an opportunity for lot of computer professionals. Mr Niraj Shah, Treasurer, CSI AC proposed a vote of thanks.



## Haryana



Mr T P Singh, Chairman of the Centre in his address as Chief Guest pointed out that telecommunication has played a vital role in the development of the nation and life has become comfortable due to fast communication methods. The keynote address on the theme was delivered by Dr Vrinda Gupta, Associate Professor, Department of Electronics & Communication Engineering, NIT, Kurukshetra. She highlighted that the theme "Big Data for Big Impact" focuses on the power of big data for development. She mentioned that it is a big challenge for the researchers to realize the potential of these torrents of data in actionable form. Mr K C Sethi, Council Member, IEI, also addressed the gathering. Earlier, Mr Vipin Kumar, Convener, welcomed the august gathering.

## Jammu & Kashmir

A conference on the theme of the day was organized on this occasion. The conference was started with a message from Prof A R Dar, Director, NIT, Hazratbal, Srinagar, which was followed by the Keynote Address delivered by the Chief Guest, Ms Diane Bracken of USA. Dignitaries, namely, Dr A H Moon, Director NIELET and Mr Musharib Gul, DGM Transmission, BSNL, delivered lectures embracing the theme. Mr Mohammad Ashraf Fazili, Chairman, of the Centre, said that Big Data refers to technologies and initiatives that involve data that is too diverse, fast-changing or massive for conventional technologies, skills and infrastructure to address efficiently. 'But today, new technologies make it possible to realize value from Big Data', opined Mr Fazili. The conference was concluded with the gratitude message for the participants by Prof Roohie Naaz Mir, Dean R&C, NIT, Srinagar.



## Jharkhand



Mr Sanjay Sen, Chairman of the Centre, welcomed the dignitaries and apprised about the use of Information Technology by the Centre. On this occasion, Mr Sen inaugurated the free Wi-Fi facilities for the students and for the members of the Centre. The Chief Guest, Mr S R Mitra, Joint General Manager, MECON Limited, Ranchi, emphasized the need of handling large data not only in commercial use in

telecom sector but also in the industrial applications, like, steel plants, power plants etc. The technologies were upgraded, automation is increased which there by increase in installation of various instruments and these instruments will generate huge volume of data that need to be analyzed and fed to the respective heads of the organization for successful running of a plant' opined Mr Mitra. Mr Vikas Kumar, Project Coordinator, TCIL, New Delhi, in his presentation, highlighted the importance of volume, velocity and variety of data being used and generated presently by individuals and the industries. He also emphasized the importance of storing the data and analyzing the same for better utilization. Mr Suraj Bhattacharjee, Enterprise Head, Jharkhand Reliance Jio Infocom Limited, spoke about data connectivity and role of Reliance Jio and its importance for the society for handling big data. He pointed out that low-cost data connection with sustainable connectivity is utmost importance in now-a-days. Mr M R Kumar, Honorary Secretary of the Centre, proposed the vote of thanks.

## Odisha

Prof (Dr) P K Parhi, Chairman of the Centre, presented the welcome address and stressed on the theme topic. The

Chief Guest, Mr Rudra Narayan Palai, Special Secretary to Government, Electronics & Information Technology Department, Govt. of Odisha, emphasized on the modern data



processing application software for capturing, storing and processing of big volume of data as well as data creation. The Chief Speaker, Prof (Dr) Srikanta Patnaik, Department of Computer Science & Engineering, SOA University, Bhubaneswar, while speaking on the theme, elaborated the positive impact of big data coupled with data analysis tools in the field of telecommunication. He also narrated the benefits of big data processing in identifying the root causes of failures and issues in real time, personalizing the customer experience, adding value to online and offline customer interactions, etc. Dr S S Dash, Committee Member of the Centre, proposed the vote of thanks.

## Punjab & Chandigarh

Mr P S Bhogal, Chairman of the Centre, welcomed the Chief Guest, Guest-of-Honour and other distinguished guest present. Prof (Dr) B S Sohi, Vice-Chancellor, Chandigarh University, Gharuan, was the Chief Guest and Dr Baljit Singh Khehra, Head, Department of Computer Science and Mr Jagroop Singh, Vice-President, IEI, were the Guests-of-Honour. The Chief Guest, highlighted the importance of the theme. Dr Baljit Singh Khehra



highlighted the impact of Big Data in the present scenario and spoke about future research work in this area. Prof (Dr) T S Kamal, Council Member, IEI, while speaking on the theme elaborated the operational and strategic imprints of Big Data and imperative framework that analyses the applications of Big Data. Mr P S Bhogal, Chairman of the Centre, proposed the vote of thanks.

## Tamilnadu

Mr Tata Sudhakar, Vice Chairman, IETE, Chennai Centre, welcomed the gathering and briefed about the significance of the celebration and touched upon the history and development of World



Telecommunication Union. Dr Swarna Ravindra Babu, Chairman, IETE, Chennai Centre, read out the message of Secretary General, ITU, on this occasion. The Chief Guest, Mr Srinivasan Ramachandran, Additional Director General, South Zone, All India Radio & Doordarshan, Chennai, lucidly explained the role of ICT in the theme of the day 'Big Data for Big Impact'. Dignitaries, namely, Mr H R Mohan, Vice Chairman, IEEE Madras Section; Mr R Ramdoss, Honorary Secretary, Tamilnadu State Centre, IEI; Dr S S Sridhar, Chairman, IET, Chennai Network, attended the function. Dr C Sheeba Joice, Honorary Secretary, IETE Chennai, proposed the vote of thanks.



## Telangana

The Chief Guest, Mr K Ramchand, PGM, BSNL, Hyderabad, presented chronological developments in telecom industries since the beginning of the century till present date. He highlighted the benefits of liberalization and subsequent growth in the telecom industry in Indian context and how customers are benefited by technological developments in telecom industry with good quality of service in addition to the value added services. The Keynote Speaker, Mr K Vijaykumar, Principal Consultant, Tata Consultancy Services, made an elaborate presentation on Big Data and explained the characteristics of Big Data viz. volume, velocity & variety, how to leverage Big Data for societal development and its applications in cloud computing. He also focused on various Big Data technologies, Big Data products and business benefits from Big Data.



## Tripura



Principal Consultant, SEMT, Tripura presented a power point presentation as Special Speaker. Mr R K Majumder, Chairman of the Centre, presided over the programme. Earlier, Mr B K Upadhyaya, Committee Member of the Centre and Associate Professor, TIT, Narsingar, welcomed the august gathering.

## Uttarakhand

Mr R S Chauhan, Chairman of the Centre, welcomed the dignitaries and the participants. The Keynote Speaker, Mr A B Garg, Member, Computer Science & Engineering and Executive Committee Member of the Centre, in his address discussed various aspects embracing the theme of the day. Dignitaries, including, Prof M P Jain, Chancellor, IMS Unision, Dehradur; Mr A C Goel, Mr S M Saxena, Mr C M Dimiri, Mr J C Belwal, Mr H P Thapliyal were present on this occasion.



## Uttar Pradesh



The Keynote Speaker, Mr S S Sharma, Retd DGM, HAL, Kanpur, while speaking on the theme, elaborated how big data available on internet can be converted into useful and actionable information in a developmental work. He also explained how data analytics use various statistical techniques and mathematical algorithms and tools available to convert raw data into useful information to solve various problems. Mr Sharma also dealt in detail about using information from big data which can be utilized in achieving 17 nos. sustainable development goals before 2030 in India as well as in neighbouring countries. Mr R K Trivedi, Honorary Secretary of the Centre, proposed the vote of thanks.

## West Bengal

The Speaker, Dr Abhik Mukherjee, Professor, Department of Computer Science & Technology, IEST, Shibpore, delivered his lecture on "Reachability and Assimilation: Issues in Big Data". He discussed various aspects, such as, key concepts of Big Data; representation



of social networks & social network analysis; centrality measures; simulation & random network model; big data in social media & data reachability; scheme for risk abatement, etc. The other Speaker, Mr Joydeep Samajder, Principal Consultant, TCS, Kolkata, pointed out that we are all asking for Digital Era & the evolution of technology – Approach, Tech, Arch. He clarified various types of approaches, like procedural approach, component based approach and object oriented approach. He also spoke about how to get insight of data, next generation information platform – variety, velocity & volume. Earlier, Mr Kashmire Lal Mallik, Chairman of the Centre, welcomed the gathering. Mr Jayanta Kumar Dutta, Joint Honorary Secretary of the Centre, proposed the vote of thanks.

## LOCAL CENTRES

### Aligarh

Prof (Dr) Mohammad Kamil, Chairman of the Centre, welcomed the gathering. Prof Muktar Ahmed, former Chairman, Department of Electrical Engineering, Zakir Hussain College of Engineering & Technology,



AMU, Aligarh, was the Chief Guest and Prof Mohammad Hasan, Chairman, Department of Electronics Engineering, ZH CET, AMU, Aligarh was the Guest-of-Honour. Both the dignitaries elaborated the theme "Big Data for Big Impact". Prof Kr Khalil A Khan, Convener and Past Chairman of the Centre, also addressed the gathering. Dr Gyan Prakash, Honorary Secretary of the Centre, proposed the vote of thanks.

### Angul



Mr Prasanta Moharana, Chairman of the Centre, welcomed the gathering and introduced the theme. The Chief Speaker, Mr Harish Cahndra Mohanty, Principal General Manager, BSNL, Dhenkanal Division, Odisha, gave an elaborate description about the importance of the day. He stressed on the need of Big Data and mentioned how it is useful in our daily life and how BSNL is progressing and its vision for the next 20 years. The Chief Guest, Mr Yashobanto Pattanaik, Vice President, Nava Bharat Ventures Ltd, Dhenkanal, discussed various aspects embracing the theme. The vote of thanks was proposed by Mr S K Dogra.

### Asansol

Mr K V Raju, Chairman of the Centre, presided over the function and enunciated the role of Big Data for development of the global community and its impact on the larger perspective. The Chief Guest, Mr Vivek Gupta, General Manager (Projects), SAIL-ISP, Burnpur, spoke about massive digitalization of India in all sphere of life generating huge quantity of data and how data integrity finds immense importance in our social and corporate affairs. The Guest-of-Honour, Mr Barun Kumar, General Manager, MECON, Burnpur, explained about worldwide connectivity through internet and ease of access of Big Data in industrial advancement and rapid decision making process in any situations be it developmental or war. Mr Sumanta Karmakar, Assistant Professor, Department of ECE, Asansol Engineering College, explained how the data is collected from various sources and then a Big Data is developed and linked which is again used and articulated by several agencies for various purposes. Mr T T Lahiri, Honorary Secretary of the Centre, proposed the vote of thanks.



### Bareilly

Mr Prem Prakash Gupta, Chairman of the Centre, introduced the theme and presented various ideas to create jobs related to organizations working on telecommunication. Mr N N Agarwal, former Chief Engineer, Doordarshan, Bareilly, while speaking on the theme, mentioned that Big Data gives developing economies and emerging markets to start economic development as well as being part of the global economy and trade. Mr K B Agarwal, Past Chairman



of the Centre, explained that Big Data and associated analytics are beneficial in various areas, such as, solving traffic problems in cities; targeting healthcare delivery; efficient supply chain management; preventive steps for environmental protection; providing a personalized educational experience for students; etc. Mr Sudhir Kumar Gupta, Honorary Secretary of the Centre, proposed the vote of thanks.

### Berhampur

Mr Ashutosh Patro, Chairman of the Centre, in his welcome address, discussed in detail about telecommunication network and its utility. The Chief Guest, Dr Rajendra Kumar Das, Principal, GATE, Berhampur, spoke about the necessities and developments of telecommunication. He emphasized for increasing its efficiency and clarity of transmissions through the use of innovative technologies with a view to provide better service. The Chief Speaker, Dr Rama Krishna Dash, Director, NIC, Berhampur, highlighted the major advances in telecommunication sector and spoke about the new convergent technologies. The Speaker, Mr Ramesh Kumar, AGM, BSNL, Berhampur, explained the necessity of telecommunication facilities in our day-to-day life. Mr Sanjaya Kumar Patra, Convener, proposed the vote of thanks.



### Dhanbad



On this occasion, a technical deliberation on the theme of 'Big Data for Big Impact' was conducted. The Chief Guest, Dr Chiranjeev Kumar, delivered Keynote Address on the theme of the day. Dr D K Singh, Director, BIT, Sindri, presided over the function. Mr D B Naik, Chairman of the Centre, discussed various aspects embracing the theme. Past Chairmen, Past Honorary Secretaries of the Centres along with other members and guests from BIT, FCI, Sindri attended the programme. Earlier, Dr S C Dutta, Convener of the programme, introduced the theme. Dr K K Singh, Honorary Secretary of the Centre, proposed the vote of thanks.

### Dharwad

The Chief Guest, Prof (Dr) Sudheendra Hangal, Professor of Practice in Computer Science, Ashoka University, New Delhi, highlighted the analysis of Big Data classifying into useful data, critical data and worth archiving data to make decisions with certainty. He further mentioned that the data created while issuing Aadhar is an unique identity in India and claimed that India is at par with other countries with information acquisition, processing and dissemination of information. He also spoke about the use of Big Data, problems in handling Big Data and challenges to have the secured data. Mr S M V Narayan, Chairman of the Centre, highlighted the impact of Big Data and also cautioned about the recent ransomware threats and providing security to such intrusion on war footing basis to avoid disabling of ICT related services. Prof (Dr) Ramesh L Chakrasali, Honorary Secretary of the Centre, proposed the vote of thanks.



### Durgapur

Mr R K Roy, Chairman of the Centre welcomed the gathering and briefed the significance of the celebration and touched upon the history and development of World Telecommunication Union. The Chief Guest, Dr Amitabha Sinha, Principal, Dr B C Roy Engineering College, Durgapur, highlighted the challenges and opportunities of Big Data. Prof (Dr) Subrata Nandi, Computer Science



& Engineering Department, NIT, Durgapur and Guest-of-Honour, spoke about some applications and challenges of Big Data and explained the concept of Big Data. Mr Swarup Das, Vice President (Technology), Ensim and Guest-of-Honour, while discussing on Big Data stressed on new technologies, such as NOSQL, Hadoop, etc. Mr Diganta Sarkar, SED, NEB, BSNL, Durgapur and Guest-of-Honour, informed that it is expected that by 2020 the amount of digital information in existence will be from 3.2 zettabytes today to 40 zettabytes. The Guest Speaker, Mr T K Dutta, Former DGM, SAIL, RDCIS, spoke about 'Human Behaviour and Interactions' and explained that lots of data is being collected and warehoused every day, every moment like, web data, e-commerce data, purchases at department/ grocery stores data, credit/debit card transactions data, etc. Mr M N Bandyopadhyay, Honorary Secretary of the Centre, proposed the vote of thanks.

### Faridabad

Mr Jitender Pal Singh, Chairman of the Centre, welcomed the gathering and gave an insight on IoT. Mr Sushil Kumar Bajaj, Honorary Secretary of the Centre, presented an overview on IoT. Dr N C Wadhwa, Vice Chancellor, MRIU, graced the occasion as the Chief Guest and delivered his lecture.



Dr M K Soni, Executive Director and Dean, FET also addressed the gathering. Mr Sameer Kumar gave a presentation on IoT with main theme as use of QR Codes. Mr Pankaj Kumar presented an overview on various steps of IoT Standards. The event created awareness amongst the audience about IoT and its applications in the future.

### Ghaziabad



Welcoming the gathering, Prof (Dr) H S Sharma, Chairman of the Centre, mentioned that data, often unstructured, complex and imperfect, should be converted into actionable information development. The Chief Guest, Brig V S Chaudhri, Executive Committee Member of the Centre, shared his experiences of the two wars and underlined the importance of telecommunication for speedy actions. The Guest-of-Honour, Mr P V Sabesan, Chief General Manager, ALTTC, Ghaziabad, highlighted the technological development that have facilitated the emergence of big data and the use of big data technologies for developing and monitoring improvements in information societies. The Keynote Speaker, Dr Raj Bahadur Yadav, Scientist, DRDO, presented operational scenario of laser communication, its applications and limitations. He also compared laser communication with satellite communication and emphasized its role in under water, beyond gravity and for small distance communications. The programme concluded with the vote of thanks proposed by Dr Satish Chandra Gupta, Honorary Secretary of the Centre.

### Gwalior

The Chief Guest, Mr S K Shukla, General Manager, NFL Unit In-Charge, elaborated that the purpose of World Telecommunication and Information Society Day (WTISD) is to create awareness of the possibilities that the use of Internet and other Information and Communication Technologies (ICT) could bring to societies and economies as well as of ways to bridge with the digital era. The Special Guest, Mr V K Jain, AGM, BSNL, Guna, Madhya Pradesh, explained the significance of observance





of this day. Mr B K Khatri, Senior Manager, GAL, Vijapur, Guna, Madhya Pradesh, spoke about Big Data and how it creates Big Impact. Mr Abhishek Singh, Engineer, NFL, Vijapur, Guna, Madhya Pradesh, gave a value added presentation on the topic.

## Indore

The Theme Speaker, Mr Anidhya Bhatnagar, Director & CEO, Medha Innovation and Development Pvt Ltd, Indore, emphasized on role and importance of Big Data in today's world. He explained the complexities of security and functioning of Big Data for defence applications. He also answered queries on recent ransomware virus attack which has affected many computer systems globally. Earlier, welcome address was delivered by Prof (Dr) P Bansod, Chairman of the Centre. The programme was concluded with vote of thanks proposed by Mr D Wadhwa, Honorary Secretary of the Centre.

## Jodhpur

Prof (Dr) G K Joshi, Chairman of the Centre, welcomed the guest and dignitaries present on the occasion. Prof Manish Kumar, Honorary Secretary of the Centre, introduced the theme. The Guest-of-Honor, Mr S L Meghvanshi, DGM Projects, BSNL, Jodhpur, explained the social impact of ICT Entrepreneurship. The Chief Guest, Prof V S Chouhan, Head, Department of Electronics & Communication, MBM Engineering College, Jodhpur, described the relevance of Big Data in detail. Prof K R Chowdhary, Director, JIET-COE, Jodhpur, presided over the programme and elaborated various aspects related to the theme of the day. Prof Manish Kumar, proposed the vote of thanks.



## Kalaburagi

Prof Ashok Patil, Assistant Professor, Information Science Department, PDA College of Engineering, Kalaburagi, was the Guest Speaker. Prof Patil, in his deliberation, gave an impressive speech related to "World Telecommunication & Information Society Day". Mr M M Kadadi, Chairman of the Centre, presided over the function and stressed on creating awareness about this important day. Earlier, Mr S B Kulkarni, welcomed the gathering and explained the significance of celebrating the day.

## Kanpur

Prof D P Mishra, Chairman of the Centre, read out the message received from the Secretary General, ITU. Prof J Ramkumar, Chairman, IEEE, U P Section, introduced the Guest-of-Honour Dr Kripa Shanker, former Vice Chancellor, UPTU, Lucknow. The Chief Guest, Mr Mahendra Pati, GM, BSNL, Kanpur was introduced by Mr Vivek Asthana, Honorary Secretary of the Centre. The Theme Speaker, Mr Napreet Singh, IIT, Kanpur, in his address, focused on the subject "Big Data and Data-Driven Innovation: Benefits, Impacts & Opportunities". He explained that the Big Data is data whose scale, diversity and complexity require new architecture, techniques, algorithms and analytics to manage it and extract value and hidden knowledge from it. Earlier, Dr U S Yadav, Immediate Past Chairman, IETE, Kanpur Centre, delivered the welcome



address. The function ended with the vote of thanks proposed by Mr C P Verma, Honorary Secretary, IETE, Kanpur Centre.

## Kota



The Chief Guest, Prof (Dr) Rajeev Gupta, Pro Vice Chancellor, Rajasthan Technical University, Kota, presented his thoughts over the theme of the day. He felt that data collection is very important to take appropriate decision. In this context he stressed on PDCA cycle. The Guest Speaker, Mr Trilok Maheshwari, Director, IT Campus, Kota, described Big Data as the large volume of data – both structured and unstructured and can be analyzed for insights which leads to better decisions and strategic business moves. He also spoke about sources of Big Data, such as, web data, e-commerce, purchase at departments, bank/credit card transactions, social network, social market, etc. Earlier, Mr Mahendra Chauhan, Immediate Past Chairman of the Centre, welcomed the participants and distinguished guests. Mr Jasamat Singh, Honorary Secretary of the Centre, proposed the vote of thanks.

## Kozhikode

Dr K A Abdul Nazeer, Associate Professor & former Head, Department of Computer Science and Engineering, NIT, Calicut in his lecture on the theme described in detail the challenges and problems associated with large volume of data generated at high velocity (speed) from a variety of sources where the reliability of the data itself may be poor. 'Conventional data analysis techniques fail in extracting useful information from this situation. New challenges are being attended to include those by using artificial intelligence techniques', added Dr Nazeer. Prof (Dr) K P Mohandas, Chairman of the Centre, presided over the function. Earlier, Mr C Jithesh, Honorary Secretary of the Centre welcomed the gathering. The event was concluded with vote of thanks proposed by Mr C V Sudheendran, Member of the Centre.



## Madurai

Dr P Rajamani, Council Member, IEI welcomed the gathering and presided over the function. Mr J Samuel, Honorary Secretary of the Centre, introduced the Chief Guest. The Chief Guest, Dr N Balaji, Principal, K L N College of Information Technology, Madurai, mentioned that the basic idea behind the phrase 'Big Data'

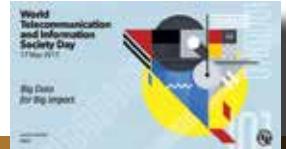


is that everything we do is increasingly leaving a digital trace (or data), which we (and others) can use and analyse. He further explained that Big Data is the frontier of a firm's ability to store, process, and access (SPA) all the data it needs to operate effectively, make decisions, reduce risks and serve customers. He clarified that our smart phones collect data on how we use it and our web browser collects information on what we are searching for. Similarly, credit card companies collect data on where we shop and shops collect data on what we are buying. He said that the Big Data are characterised by their volume, velocity, variety and veracity and explained them. Analysing of Big Data is carried out by text analytics, sentiment analysis, face recognition, voice analytics, movement analytics etc', added Dr Balaji. Mr R Narayanasamy, Joint Honorary Secretary of proposed the vote of thanks.

## Mangalore

The Speaker, Dr Shashidhar G Koolagudi, Faculty, Department of Computer Engineering, NITK, Surathkal, informed that data market is growing @ 40% per year and the market share of Big Data was 7.3 billion US\$ in 2011 and the share in 2017 is 50.1 billion US\$. He enumerated





that the large amount of different types of data produced with high velocity from various types of sources and handling such highly variable and real time data sets requires new tools and methods, such as, powerful processors, software and algorithms. Earlier, Dr S B Malegole, Honorary Secretary of the Centre, introduced the speaker. The function was presided over by Prof G R Rai, Past Chairman of the Centre. Mr M Divakar Shetty, proposed the vote of thanks.

### Meerut



Mr V C Gupta, Chairman of the Centre, welcomed the gathering. The Chief Guest, Mr H S Sharma, Chief General Manager, BSNL, Uttar Pradesh (W) and the Guest-of-Honour, Mr Saurabh Tyagi, General Manager, BSNL, Meerut, in their speech spoke about developments in the field of communication during last

two decades. The Keynote Speaker, Mr Aditya Singh, DGM (Mobile), BSNL, while speaking on theme said that with emergence of mobile 4G and future 5G technologies, there would be generation of huge data and it would be very cumbersome and complex to process it. 'The processing and gainful utilization of this data and extracting information for development and upliftment of society and its impact is very crucial', opined Mr Tyagi. Mr Sanjay Chaudhary, Assistant Director, BSNL, explained that Big Data for Big Impact means to focus on creating actionable data for achieving sustainable development goals. Mr Rajneesh Kumar, Honorary Secretary of the Centre, proposed the vote of thanks.

### Muzaffarpur

Dr Shyam Kumar Mishra, Chairman of the Centre, welcomed the guests and dignitaries present on the occasion. The programme was inaugurated by Dr M M Alam, former Professor of Electrical Engineering. Dr A P Singh and Dr R K Jha, presented paper on the theme of the day. All the dignitaries discussed various aspects embracing the theme. The function concluded with the vote of thanks proposed by Dr Rajiv Ranjan Kumar, Honorary Secretary of the Centre.

### North Bengal

Mr Subhas Burman, Assistant Professor, Department of Computer Science and Engineering, Jalpaiguri Government Engineering College, Jalpaiguri, while speaking on the theme, defined Big Data, Activity Data etc and said that TVs, watches, appliances, phones, tablets, etc. are creating Big Data. In this respect, he briefly narrated about 4 'V's, namely, volume, velocity, variety and value. He presented clear idea about the method of turning Big Data into value. He spoke about the challenges, speed and its impact on Big Data Analytics, various applications from Big Data to Big Impact, like e-Commerce and Market intelligence, Science & Technology, Smart Health & Wellbeing, Security & Public Safety, etc. Mr Burman further mentioned that in India, Big Data is gaining attention and it has huge market opportunities for IT services and analytic firms. Mr N C Sadhukhan, Member of the Centre, proposed the vote of thanks.



### Pune

Prof (Dr) G S Mundada, Chairman of the Centre and the Convener of the event, welcomed the gathering and introduced the theme. The Chief Guest, Mr D C Dwivedi, PGM, BSNL, Pune, discussed the background of the growth of telecommunication in our country and outlined the role of BSNL and other players in this process of rapid and vast development. He also emphasized the role of telecoms in the economic growth and looked forward for a bright future for the country in this field. The Guest-of-Honour, Dr Sandeep Deshmukh, Big Data, Hadoop, Apache Apex Trainer and Consultant, mentioned that with the advent of social media, data scientists got busy in analyzing the blogs and twitters to find out the preferences of common man. He mentioned that analysis of such data could help in improving business's marketing strategy, since the needs of customer are better understood. Dignitaries from IEEE, IETE, IET, Pune

Chapter/Section also attended the programme. Dr Rajshree Jain, Secretary, IEEE Pune Section, proposed the vote of thanks.

### Roorkee

Mr Malvinder Singh, Chairman of the Centre, while welcoming the audience emphasized the benefits of Telecommunication & Information Technology and how it revolutionized the world with the objective to bridge the digital divide

and promote connectivity, cyber security and faster global interoperability of telecom systems. The Keynote Speaker, Mr Prashant Rao, Executive Director, Signal/Telecom, Delhi Metro Railway Corporation (DMRC) gave presentation on 'Train Signaling and Telecommunication

Systems in Metro Railway'. He brought awareness regarding Automatic Fare Collection Systems, Driverless Communication based on Train Control (CBTC) for implementation in DMRC, etc. Mr Sanjay Bhasin, Co-founder, Sun Terrace Energy, Gurgaon, highlighted the history of cell phones and their systems thereby making information and telecommunication more accessible to people to meet economic aspirations. Prof (Dr) Achal K Mittal, Honorary Secretary of the Centre, proposed vote of thanks.

### Rourkela

The Guest Speaker, Mr Sunil Roy, HOD, Communications, Rourkela Steel Plant, informed that the objective of Big Data is to explore the power of big data for development to end poverty, protect the planet and ensure prosperity for all. He was of the opinion that since information



is power, it will identify the needs, provide services, predict and prevent crises for the benefit of low income population. Mr Roy further deliberated on understanding the dynamics of data ecosystem, sources of Big Data, users of Big Data viz. banking and financial services, education, various government agencies, agriculture, manufacturing, retail business, science and technology and healthcare. The presentation also explained about the future impact of Big Data on sustainable development goals. Earlier, Mr Harjit Singh Kanvel, Joint Honorary Secretary of the Centre, welcomed the participants and introduced the theme. He also proposed the vote of thanks.

### Saurashtra



Mr H A Kansagra, Chairman of the Centre, welcomed the dignitaries and the participants. Mr M B Kalariya, Principal [I/C], A V Parekh Technical Institute, Rajkot, graced the occasion as the Chief Guest and presided over the program. Mr Rashmikant Dave, Data Scientist from Hopkins University, USA, delivered lecture on the theme "Big Data for Big Impact". Mr N K Ravajibhai, Honorary Secretary of the Centre, proposed the vote of thanks.

### Silchar

Mr Debaprasad Roy, Chairman of the Centre, welcomed the guests and dignitaries and presided over the programme. Mr D C Tikader, Senior General Manager, BSNL, attended the function as Special Guest-of-Honour and delivered the keynote address. The Guest-of-Honour, Dr Sudipta Roy, Dean, School of Technology, Assam University, Silchar, deliberated on the theme 'Big Data for Big Impact'. Dignitaries, namely, Dr D Ghosh, Associate Professor, Department of Business Administration, Assam University, Silchar; Mr Wasim Arif, Assistant Professor, Department of Electronics & Telecommunications, NIT, Silchar and Mr A K Tripathi, SDE, BSNL, Silchar, also addressed the gathering embracing the theme of the day. The function was ended with a vote of thanks proposed by Mr Bikramjit Das Gupta, Honorary Secretary of the Centre.



## Sunabeda



Mr Jitendra Mohan Sahu, Chairman of the Centre, delivered the welcome address and stressed on the theme topic. The Chief Guest, Mr N Jaisekhar, AGM (IT & MSD), HAL, Koraput, in his speech, spoke about applications of wireless & broadband

connectivity, expanded role of Big Data in advanced application of R&D sector and infrastructural activities. The Chief Speaker, Mr Chittaranjan Parida, JTO, Sunabeda, while speaking on the theme, mentioned how the data gives impact on IT sector and day to day life. Earlier, Dr Adhikari, Scientist of Soil and Water Conservation Centre and Joint Convener of the programme, discussed how Big Data are helpful for agricultural sector.

## Udaipur

Mr M K Mathur, Chairman of the Centre, welcomed the gathering. The Chief Guest, Mr J C Menaria, Principal General Manager (BSNL), Telecom District, Udaipur, informed that government has taken up the challenges to link all panchayats through optical



fibre cable network. The Guest Speaker, Mr Uttam Kotdiya, Assistant General Manager (Application Software), Secure Meters Limited, Udaipur, spoke about data collection to refine the data and present the data in correct form. He also discussed in detail about the process of refining raw data. Mr Anurodh Prashant Sharma, Honorary Secretary of the Centre, anchored the program and proposed the vote of thanks.

## Upper Assam

Mr Amitava Dasgupta, Chairman of the Centre, addressed the gathering on the topic 'Big Data for Big Impact'. The dignitaries graced the occasion included Mr S N Seal, Chief Manager/Project Officer, North Eastern Coalfields, CIL, Margherita, Assam, as the Chief Guest; Mr S Dutta, DGM [Production], Oil India Ltd., Duliajan, as the Guest-of-Honour and Mr Dibakar Bhattacharjee, Ex DGM [Mat. & Cont.], IOCL (AOD), Digboi, as the Keynote Speaker. All the dignitaries delivered their speeches embracing the theme of the day. Earlier, Mr Amit Borthakur of North Eastern Coalfields, CIL, Margherita, Assam, welcomed the Chief Guest and other dignitaries. A Technical Session on the main theme was organized on this occasion where papers were presented and discussed by the experts in the field. The function concluded with a vote of thanks proposed by Mr Amit Borthakur.