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99 YEARS OF RELENTLESS JOURNEY TOWARDS ENGINEERING ADVANCEMENT FOR NATION-BUILDING

Volume 68

Number 8

International Conference, Hyderabad

Recent Developments in Clean and Safe Nuclear Power Generation

Telangana State Centre of the Institution organized International Conference on the topic 'Recent Developments in Clean and Safe Nuclear Power Generation' under the aegis of Electrical Engineering Division Board of IEI during October 3-5, 2018 at Hyderabad. Mr M Venkaiah Naidu, Hon'ble Vice President of India, graced the function as the Chief Guest and



inaugurated the Conference. During his inaugural address, the Vice President highlighted that people require assured, uninterrupted and quality power instead of free power. 'Rapid Urbanization and Industrialization would increase energy demand and consumption and to meet this demand, nuclear power finds a solution since it is cost effective and environment friendly', he added. The Chief Guest cited examples of Tarapore and Kundankulam plants which are generating power at 92 paise and Rs. 3/- per unit respectively. Mr Naidu referred

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From the President's Desk.....



The changing dynamics of the economy and growth in infrastructural development have necessitated industry and academia to develop close linkages with the aim of creating a synergistic system which will result in an employable and skilled engineering workforce. At present, in the era of knowledge economy, a productive interface between academia and industry is a critical requirement. Both the sectors have realized the need to increase mutual interdependence to bridge the gap between academic institutions and corporate bodies ensuring that their respective objectives are relevant and contemporary. In this context, The Institution of Engineers (India) has planned a series of Industry-Academia Meets on a pan-India basis. These events will focus on idea generation on reorienting and ushering in new pedagogies in engineering curriculum such as evolving industry oriented courses, imparting engineering education through curated cloud based courses and undertake incremental learning with involvement of industry partners. The objective of such programmes would be creating an ecosystem to help identify employability gaps, provide quantitative and qualitative feedback to stakeholders to help bridge the employability gap in a constructive manner.

Recently, Twenty-sixth IEI Convocation and Technicians'/Students' Convention was held on November 03-04, 2018 at Ranchi. The theme of Convention was 'Challenges and Opportunities in Sustainable Development' and the programme was well attended by dignitaries from industry as well as academia.

The 33rd Indian Engineering Congress will be organized on the theme 'Integration of Technologies: Emerging Engineering Paradigm' at Udaipur during December 21-23, 2018. We look forward to your participation in this apex activity of the Institution.

The Institution of Engineers (India)

8 Gokhale Road, Kolkata 700 020

November 1, 2018

To

All Corporate Members of IEI

The Ninety-ninth Annual General Meeting of The Institution of Engineers (India) will be held at **Ananta Hotel & Resorts, 1 GST Road, Village – Bujhda, Tehsil Girwa, Kotiyat Road, Udaipur – 313001, Rajasthan** on 23 Dec 2018 at 1430 hrs.

AGENDA

1. To confirm the Minutes of the Ninety-eighth Annual General Meeting held on 23 Dec 2017 at Chennai, already circulated in March 2018 issue of IEI News, Vol. 67, No. 12, Page 6.
2. To receive the Annual Report of the Council and the Audited Accounts of IEI for the year ended on March 31, 2018.
3. To receive the Report of the Council on election of the President and also the composition of the IEI Council for the Session 2018-2019.
4. To appoint the Auditors for the year 2018-2019 and to fix their remuneration.

Maj Gen (Dr) S Bhattacharya, VSM (Retd)
Secretary and Director General

Twenty-sixth IEI Convocation and Technicians'/Students' Convention held at Jharkhand

Jharkhand State Centre of the Institution organized the Twenty-sixth IEI Convocation and Technicians'/Students' Convention during November 03-04, 2018 at Ranchi. The theme of Convention was 'Challenges and Opportunities in Sustainable Development'. Chief Guest Padamshree Prof Ajoy Kumar Ray and Guest-of-Honour Mr Rajesh Agrawal, Member, Rolling stock, Railway Board delivered their Convocation Address. Mr Sisir Kumar Banerjee, President, IEI, presided over the function. Mr T M Gunaraja, President-Elect of IEI; Mr P Rajamani, Vice President of IEI, Prof T S Kamal, Chairman, All India Technicians' Committee; Mr K C Sethi, Chairman, All India Students' Committee; Mr Sanjay Sen, Chairman, Organizing Committee & Chairman of the Centre, Mr M R Kumar, Co-Chairman, Organising Committee & Honorary Secretary of the Centre and Maj Gen (Dr) S Bhattacharya, VSM (Retd), Secretary & Director General of IEI, were present on the occasion. Mr Sen welcomed the august gathering. Mr Banerjee gave his inaugural speech followed by the lighting of the lamp by the dignitaries present on the dais. In his welcome address, Mr Banerjee acquainted the gathering with the vision of IEI to address the professional needs of engineers in the country. He also emphasized on creating an eco system of learning which will contribute to the Continuous Professional Development during the entire spectrum of professional career of an engineer. He also highlighted that IEI being an apex body of engineers, is committed to holistic development and have planned to set up an IEI learning hub through which corporate members can avail world class digital learning for upgrading of skills and knowledge. He thanked the Chief Guest and Guest-of-Honour for sparing their valuable time to be present on the occasion. Prof Ray, in his address complimented IEI for encouraging professional engineers, academicians and research



workers and providing a vast array of technical and professional expertise. He also appealed to the engineering students to adapt the changes and keep themselves equipped with new technologies and industries. During his speech, Prof Ray expressed concern over environmental degradation and pollution affecting health of the future generation and enlightened the students with the fact that embracing carbon sequestration might play an important part in keeping greenhouse gas emissions out of the atmosphere. He also shared his practical experience in various research areas in the power sector. Mr Agrawal delivered a very motivating speech to the graduate engineers and encouraged them to become experts in their respective fields. In his speech, Mr Agrawal evoked the student members to create the future and make the world a better place to live in, to aspire to become entrepreneurs and job creators rather than job seekers. The programme ended with a vote of thanks by the Secretary & Director General of IEI. The programme was well attended with overwhelming response from the graduating students and others.

Waste Management for Sustainable Development

Berhampur Local Centre of the Institution in collaboration with Parala Maharaja Engineering College (PMEC), Berhampur organized All India Seminar on 'Waste Management for Sustainable Development' under the aegis of Chemical Engineering Division Board of IEI during August 17-18, 2018 at Berhampur. Dr Ranjan Kumar Swain, Principal, PMEC, graced the occasion as the Chief Patron of the function. Dr Swain, in his speech briefed about the need of organizing such events and boosted the engineering students and the budding engineers to find out the cost effective and eco-friendly techniques towards safe disposal of wastes. Mr Sushanta Kumar Mishra, Joint Commissioner, Odisha Urban Housing Mission, graced the occasion as the Chief Speaker. Mr Mishra, in his speech elaborated about the causes of accumulation of pollutants and the related adverse consequences. He further highlighted various techniques and methods in connection with the preventive measures aiming to eradicate the negative impacts of the pollutions on environment. On this occasion, Mr Ram Dahin Sao, Head, Technical, Grasim Industries Ltd., Ganjam Chemical Division was present as Guest-of-Honour. Mr Sao highlighted about the role of engineers and the engineering techniques in optimizing the wastes, without further supplementation of hazardous gases to the atmosphere. The Chief Guest of the function, Dr Suresh Chandra Dalai, Mission Director,



Odisha Urban Housing Mission, in his address, requested all the delegates and the engineering students to make the society aware of the aim and objective of this particular seminar. During the inaugural function a Souvenir embracing the theme and sub-themes of the topic was released by the Chief Guest in presence of the invited guests. Earlier, Mr Ashutosh Patra, Chairman of the Centre welcomed all the delegates and the distinguished dignitaries presented offerings on the subject matter of the seminar briefly. The Convener of the Seminar, Dr Himadri Sahu, Head of the Department of Chemical Engineering, PMEC, introduced the dignitaries and brief of the theme of the Seminar. Mr Sanjaya Kumar Moharana, Honorary Secretary of the Centre proposed vote of thanks. A large number of participants were present during various technical sessions of the program.

Recent Advances in Infrastructure Development

Nagpur Local Centre of the Institution organized the Thirty-fourth National Convention of Civil Engineers and National Seminar on the theme “Recent Advances in Infrastructure Development” under the aegis of Civil Engineering Division Board (CVDB), IEI, during September 8-9, 2018 at Nagpur. The Chief Guest of the Convention, Mr Sisir Kumar Banerjee, President of the



IEI emphasized the need for acquiring and implementing the advances for future benefits to people. He also highlighted the advancement in ICT for the benefit of Civil Engineering, extensive advancements in constructions and surveying technologies, Project Planning, Metro planning etc. Mr Banerjee focused on the probable collaboration with industrial bodies and corporate houses at large level to enhance the skill level of engineering students to make them industry ready. On this occasion, Mr N B Vasoya, Immediate Past President of IEI was the Guest-of-Honour. Mr Vasoya focused on the Gujarat model of infrastructure where massive development took place. The Vice President of IEI, Mr V S Ghogare spoke about the modern development on infrastructure in the country. During the function, Mr S L Garg, Past President of IEI was the Special Guest. Dr H O Thakare, Chairman, Civil Engineering Division Board (CVDB) of IEI briefed about the Convention and focused on the background of the Institution along with its various types of

events being organised throughout the country. The prestigious “Prof Jai Krishna Memorial Lecture” was delivered by Prof Prem Krishna, Former Head, Department of Civil Engineering, University of Roorkee on the topic, “Growth of Civil Engineering and Infrastructure is Synonymous”. During the momentous occasion, Eminent Civil Engineers, namely, Mr Avinash V

Surve, Executive Director, Vidarbha Irrigation Development Corporation, Water Resources Department, Nagpur; Prof Anjan Dutta, Department of Civil Engineering, IIT Guwahati; Prof Prem Krishna, Former Head, Department of Civil Engineering, University of Roorkee; Dr Manamohan R Kalgal, Former Vice President – Head, Building Products & Technical Services, UltraTech Cement Ltd.; Mr Dip Kishore Sen, Director & Senior Executive Vice President (Infrastructure), Larsen & Toubro Ltd. were felicitated for their immense contributions in the profession of civil engineering. The Keynote address was delivered by Prof Mahesh Tandon, Managing Director, Tandon Consultants Pvt. Ltd., New Delhi on “Techniques for Metro Rail Construction in India”. On this occasion, Prof K V L Subramaniam, Department of Civil Engineering, IIT Hyderabad, Mr Chetan Raikar, Managing Director, Structwel Designer Consultants Pvt. Ltd., Mumbai, Mr Kaizad Engineer, Technical Director, Ushta Infinity Construction Company Pvt. Ltd., Mr Vivek Naik, Chairman and Managing Director, Apple Chemie Ltd., Nagpur and other dignitaries were present and highlighted various current challenges of infrastructural development in the country. For the outstanding contribution in the field of Civil Engineering, Dr Debarghya Chakraborty, Assistant Professor, Department of Civil Engineering, IIT Kharagpur; Dr Sanket Nayak, Assistant Professor, Department of Civil Engineering, IIT (Indian School of Mines) Dhanbad; Dr D Naveen B P, Associate Professor, Department of Civil Engineering, Amity School of Engineering & Technology, Amity University, Gurgaon have been felicitated as IEI Young Engineers Awardees. Earlier, Dr D P Mase, Chairman of the Institution, welcomed the august gathering. In his address, Dr Mase highlighted that good communication, good roads, good resources etc. are the prime concern of infrastructural development. The Organising Secretary of the event, Mr Satish Raipure briefed about the theme of the Convention. The vote of thanks was presented by Mr M A Pathak, Honorary Secretary of the Centre. A large number of technical papers embracing the theme of the Convention were presented and discussed during technical sessions.

Recent Developments in Clean and Safe Nuclear Power Generation

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to the contribution of Dr Homi J Bhabha to the development of nuclear energy. He emphasized on the need to improve afforestation and green cover in the country. The Chief Guest further stated that to eliminate the carbon foot prints and global warming associated with the conventional method of power generation, nuclear power plant is the most feasible alternative. The Guest-of-Honour, Dr R Chidambaram, Former Principal Scientific Advisor, GOI, Homi Bhabha Professor, BARC, Mumbai elaborately explained about the need of the nuclear power and opined that nuclear power will grow by leaps and bounds in years to come. Mr Nayani Narasimha Reddy, Hon'ble Home Minister, Govt of Telangana graced the Conference with his august presence. Mr Sisir Kumar Banerjee, President, IEI, in his Presidential address, emphasized upon the use of nuclear power to mitigate the effect of global warming and climate change. President further highlighted the

transition of IEI to digital era through implementation of Digital Learning Materials for students, idea generation scheme ‘Ideathon’ and Life Long Digital Learning Portal for the members of IEI which will enable them to enhance their contribution towards Continuous Professional Development (CPD). He stressed that maintaining a healthy CPD is need

of the hour as that will help them in obtaining the Professional Engineering & International Professional Engineers Certification by IEI. Mr T M Gunaraja, President Elect, IEI, in his speech appreciated the effort put by the host Centre for organizing the Conference in befitting manner and stated that the Centre should organize more activities for which all the support will be extended. Earlier, Dr S Satyanarayana, Chairman of IEI, Telangana State Centre, in his welcome address mentioned that the State Centre is actively participating in providing solutions to various contemporary issues faced by the society and offering constructive suggestions to the policy makers. He further highlighted that Telangana State Centre provided suggestions to Government on various issues like free power to farmers, Bolakpur – Kavadiguda Storm Water Floods, prevention of leakages and losses in the power sector, Hyderabad drainage and drinking water problems and many more. Dr G Rameshwar Rao, Honorary Secretary of the host Centre proposed the vote of thanks at the end of the function.

IEI Celebrates

51st Engineers' Day

Theme: Digital Transformation: A New Industrial Revolution

The 51st Engineers' Day was celebrated by the Institution all over the country on September 15, 2018 to commemorate the 158th birth anniversary of legendary Engineer-Statesman Bharat Ratna Sir M Visvesvaraya. Brief accounts of the celebration as received from various Centres are highlighted hereunder.

STATE CENTRES

Andaman & Nicobar



The Chief Guest, Dr Mylswamy Annadurai, former Distinguished Scientist & Director, Chandrayan & Satellite Tracking Centre, ISRO, Bengaluru highlighted on satellites and how it is impacting the lives

of the common people. 'Starting from Agriculture, Water Resources, Harnessing Sea Wealth, Weather Prediction, GIS Applications, Tele-medicine, Tele-education, Forestry etc., every sector is benefitted from the satellite', he added. Dr Annadurai also focused on the making of a satellite in which all branches of engineering have an important role to play. Earlier, Mr D Sathyamoorthy, Chairman of the Centre welcomed the guests and dignitaries. Dr Shrabani Mallick, Committee Member of Centre proposed the vote of thanks.

Andhra Pradesh

Dr P Udaya Bhaskar, Chairman, Andhra Pradesh Public Service Commission graced the occasion as Chief Guest and addressed the gathering. The Keynote Speaker, Dr Kranthi Kumar Elineni, in his



speech, stated that as technological advances are happening exponentially, solutions to problems push the boundaries of existing technologies. 'A point is reached when the existing technologies cannot be adopted as is and thus giving rise to a new industrial revolution', he added. He further continued that the first industrial revolution happened with the advent of Mechanization, steam power and weaving loom while the second consisted of mass production on assembly line and utilization of electrical energy. Dr Elineni also explained that with the advent of integrated circuits, third industrial revolution happened; enabling robotics, automation, computers and electronics and now this is at the brink of fourth industrial revolution in which the Digital Transformation is leading to Industry 4.0 enabled by networking. Earlier, Mr G V Srinivasulu, Immediate Past Honorary Secretary of the Center welcomed the gathering while Dr K P Rama Rao, Chairman of the Center presided over the function. Mr M Seshagiri Rao, Honorary Secretary of the Centre proposed the vote of thanks.

Assam

The Chief Guest, Mr V S Bhasakar, Additional Chief Secretary to the Govt. of Assam mentioned that now the common people have become IT empowered and many states of India are implementing the concept of Digital Transformation in faster ways to have more and more visible impact on the life style of common people. He further informed the



house about steps taken by the Govt. of Assam for spreading IT enabled services among its people every village of Assam is being tried to make an access point for Internet connectivity. The Keynote Speaker, Dr Sunandan Baruah, Director, Centre of Excellence, Nano Technology, Assam Don Bosco University, Guwahati in his address, presented a crystal clear picture on how the Digital Transformation is causing a revolutionary impact on the life style of common men and cited a number of practical examples to visualize the situation. Dr Baruah further informed the house about research works being carried out on Digital Transformation all over the world. Earlier, Mr Amitava Nath, Honorary Secretary of the Centre welcomed the gathering. Dr Aswini Kumar Barua, Chairman of the Centre also addressed the gathering. Mr Mahesh Barkataky, Immediate Past Honorary Secretary of the Centre presented a picture on the life and contribution of Sir M Visvesvaraya. Finally, Mr Amitava Nath proposed the vote of thanks.

Chhattisgarh

Dr M K Verma, Vice Chancellor, Chhattisgarh Swami Vivekananda Technical University, Bhilai graced the occasion as Chief Guest and addressed the gathering. The Guest-of-Honour and Keynote Speaker, Mr S M Despande, Chief Engineer & Head (Technical), Chhattisgarh Renewable Energy Development Agency, Govt. of Chhattisgarh, Raipur, in his address, informed that science has brought a classic change in the life of human being and Engineering can be termed as 'A branch of applied science'. He further narrated that changes in the engineering profession and engineering education have followed changes in technology and society by addition in various branches of disciplines were added and curricula were created to meet the critical challenges in society on technology front and to provide the welfare required to integrate new development into the economy. Earlier, Mr J P Saboo, Chairman of the Centre welcomed the function. Mr V K Basu, Past Chairman of the Centre presented a life sketch of Sir M Visvesvaraya.



Gujarat

Mr Bharat Singh Patel, Council Member, IEI spoke on the theme of the day. Other dignitaries present on the occasion included Mr Sanjay Desai, Director & CEO, RBD Engineers Pvt. Ltd., Mr Vineet Parikh, Director, Pima Controls Pvt. Ltd. and Mr Ruchit Surati, CEO and Co-founder, LOcanix from different fields took active part and represented their views in the



Panel Discussion organized on the day. Earlier, Mr Sandip B Vasava, Chairman of the Centre welcomed all delegates present in the function on this auspicious day and briefed about the importance of celebration of the day. Mr H U Kalyani, Honorary Secretary of the Centre proposed vote of thanks.

Haryana



Prof Ganeshi Lal, Hon'ble Governor of Odisha graced the occasion as Chief Guest. Mr Subhash Sudha, Member of Legislative Assembly, Thanesar (Kurukshetra), Mr Arun Saraf, Chairman, Haryana State Forest Development Corporation, Prof Tankeshwar Kumar, Vice-Chancellor, GJ University, Hisar, Prof Dinesh Aggarwal, Vice-Chancellor, YMCA University, Faridabad and Prof B K Punia, Vice-Chancellor, Maharishi Dayanand University, Rohtak graced the occasion Guests-of-Honour. Dr M P Gupta, Advisor, Technology Education and Research Integrated Institute, Kurukshetra, welcomed the dignitaries. Mr K C Sethi, Council Member, IEI, highlighted in details the contribution and achievements made by Sir M Visvesvaraya. Prof Satish Kumar, Director, NIT Kurukshetra, in his keynote address stated that digital transformation influenced all sectors of the industrial economy. Mr Ajay Mahajan, Chairman of the Centre proposed the vote of thanks.

Himachal Pradesh

The Guest and Keynote Speaker, Dr Meenakshi Sood, Department Coordinator, Electronics and Communication Engineering, Jaypee University of Information, Waknaghat, Solan, in her address, highlighted about the advent of the 4th Industrial Revolution, Digital Revolution- Digitization vs Digitalization, Artificial Intelligence and its Future Perspectives. She further elaborated that today's emerging technologies will have a similar effect on our society as water power and steam engines had at the end of the 19th century. 'The 4th industrial revolution makes three major changes such as Intellectualization of human and machine, virtualization of reality & virtual and hyper connection of human & things', she added. She explained that Industry 4.0- Connects the internet of things (IOT) with manufacturing techniques, enable systems to share information, analyze it and use it to guide intelligent actions, Incorporates cutting-edge technologies like robotics, artificial intelligence and other cognitive technologies. Mr Suneel Grover, Council Member, IEI and Managing Director, HP State Load Dispatch Centre, Shimla after welcoming all present, elaborated how this development took place starting from the 1st Industrial Revolution (Industry 1.0) in 18th Century by Mechanization through steam engine, 2nd Industrial Revolution (Industry 2.0) in 19-20th Century by Mass production through electric energy, 3rd Industrial Revolution (Industry 3.0) in late 20th Century by Intelligent Information Revolution through computer and internet and 4th Industrial Revolution (Industry 4.0) in 21st Century through Internet of Things, Cloud, Big data, Artificial Intelligence and Mobiles etc. Mr Vishwa Mohan, Honorary Secretary of the Centre conducted the function. Mr S N Kapur, Past Chairman of the Centre proposed the vote of thanks.



Jammu & Kashmir

Mr Khurshid A Ganai, Advisor to Hon'ble Governor of Jammu & Kashmir graced the occasion as Chief Guest. Mr Ganai, in his address, highlighted how to promote IEI through professionalism in the State and engineers would get a platform for exchange of ideas, keeping them abreast with latest developments in their respective fields of engineering.

Kerala

Mr Satish Babu, President, InApp, Technopark, Thiruvananthapuram delivered the theme lecture. Earlier, Mr N Rajkumar, Chairman of the Centre welcomed the gathering and introduced the Speaker. Mr V Vijaya Kumar, Past Chairman of the Centre narrated the life sketch of Sir M



Visvesvaraya. A Special Lecture on 'Kuttanad Reconstruction / Rehabilitation Activities after Recent Flood' was delivered by Dr N N Panicker, Sahajivan Swaraj. Mr K S Udaya Kumar, Honorary Secretary of the Centre proposed the vote of thanks.

Manipur



The Chief Guest, Mr Karan Shyam, Hon'ble Minister for CAF & PD, Revenue, Weights & Measures and Relief & Rehabilitation highlighted the importance of Engineers in Nation building activities and stressed upon the need of enhancing the quality of construction in the State.

He further expressed his desire to extend cooperation to the fraternity of Engineers in the State and help in the process of land acquisition for the Centre. Earlier, Mr Chirom Dharmkumar Singh, Past Honorary Secretary of the Centre welcomed the gathering. Mr K Temba Singh, Chairman of the Centre presided over the function. Dr Kh Johnson Singh, Assistant Professor, Department of Computer Science & Engineering, NIT Manipur delivered the theme lecture. Mr N Shyamsundar Singh, former Chairman, Joint Electricity Regulatory Commission (Manipur & Mizoram) also spoke on the theme embracing many important points. Mr Th Joykumar Singh, former Chief Engineer, PWD Manipur, stressed upon the immediate need of acquiring of land for the State Centre. Mr Th Subhaschandra Singh of NIT Manipur proposed the vote of thanks.

Telangana

Mr B P Acharya, Director General, MCR HRD Institute & Special Chief Secretary to Government of Telangana graced the occasion as Chief Guest. Mr Acharya paying rich tributes to Sir M Visvesvaraya, stated that a grateful nation would remember this Great Son of India with admiration and gratitude. He further highlighted that the growth of Engineering Graduates are enhancing day by day, but due to lack of skills, many young engineers still facing unemployment. 'Engineers play a dominant role in the development of national and engineers should adopt innovative technologies for the progress of the nation', he added. Mr M B Praveen Kumar, Director (Technical), Hyderabad Metropolitan Water Supply and Sewerage Board, Hyderabad, in his address said that Sir Visvesvaraya was a professional personified, a role model to emulate a leader with values and finally a personality endowed with high values in life. Earlier, Dr G Rameshwar Rao, Honorary Secretary of the Centre welcomed the gathering. Dr S Satyanarayana, Chairman of the Centre presided over the meeting. The programme concluded with the vote of thanks proposed by Dr K V N S V P L Narasimham, Committee Member of the Centre.



Uttar Pradesh

The Chief Guest, Mr Brijesh Pathak, Hon'ble Minister of Law, Justice, Non Conventional Energy and Political Pension, Govt. of UP, in his address called upon the engineers to follow the ideals of Sir M Visvesvaraya for contribution in the development



of the nation so that India could become one of the developed countries of the World. The Keynote Speaker, Mr S K Pandey, Senior Scientist of Indian Space Research Organization (ISRO), elaborated on the ongoing digital transformation and its impact on the society. He explained how big data, Cloud Computing, Internet of Things (IoT), Artificial Intelligence (AI), Robotics, 3D Printing and Industry 4.0 are changing the life style. Distinguished Guest, Mr B S Tiwary, Director Technical, UP

Rajya Vidyut Utpadan Nigam Ltd., informed the audience regarding digital transformation being used in Thermal Power Stations of the State for better plant load factor and improvement of overall performance. Earlier, Dr Bharat Raj Singh, Chairman of the Centre, while welcoming the guests explained how digital transformation and Space Technology can be used in making essential service available in far off places of the country. Mr A K Gupta, Past Chairman of the Centre threw light on the life sketch and achievements of Sir M Visvesvaraya. Mr R K Trivedi, Honorary Secretary of the Centre proposed the vote of thanks.

West Bengal

The Chief Guest, Prof Parthasarathi Chakrabarti, Director, Indian Institute of Engineering Science and Technology (IIST), Shibpur, stated that Industries around the world are now facing substantial challenges due to recent environmental, societal, economic and technological development regarding disruptive concepts of Internet of Things, Cyber Physical Systems or Cloud based Manufacturing, which lead to the fourth stage of industrial revolution. 'Increased digitization which waves out traditional and conventional production concepts including mass production, batch production, continuous process flow and project is the need of the hour', he added. He further continued that after the first industrial revolution where water and steam power was utilized for mechanizing production, during second industrial revolution, application of power was the priority to obtain mass production and during third industrial revolution, industrial automation was introduced. Prof Chakrabarti further narrated that now the fourth industrial revolution, termed as Industry 4.0 which is empowered by wide range of digital technology not only in digital realm, which involves artificial intelligence, machine learning, advanced robotics and new formation of automation, but also in physical realm including new materials like grapheme, genetic advances as well as biological realm which involves sensors, Internet of Things, Block Chain and Distributed Ledgers, 3D Printing, autonomous vehicles like drones, so on and so forth. Earlier, Mr Kashmir Lal Mallik, Chairman of the Centre delivered the welcome address. Mr Sisir Kumar Banerjee, President, IEI presented a about the importance of Engineers' Day. The life sketch of Bharat Ratna Sir M Visvesvaraya was read by Prof N R Bandyopadhyay, Dr M N Dastur School of Materials Science and Engineering, IEST, Shibpur. Mr Ranjan Dutta, Honorary Secretary of the Centre proposed the vote of thanks.



LOCAL CENTRES

Agra

Mr Devendra Singh Chaudhary, former Chief Engineer graced the occasion as Chief Guest. Mr A S Sharma, DGN, BSNL, Agra explained about the digital transformation in the area of communication from manual telephone exchanges to digital automatic telephone exchanges, mobile phone, whatsapp, facebook and other digital media. Prof D K Chaturvedi, Dayalbagh Educational Institute, Agra highlighted about the digital revolution and its effects. 'Due to digitization mobile towers, we see lot of magnetic field generated around us and natural things disturb', he added. Mr D S Chaudhary, Immediate Past Chairman of the Centre narrated about Sir M Visvesvaraya and about the theme of the day. Dr A B Lal from the Centre proposed the vote of thanks.



Allahabad

The Chief Guest, Mr Sidharth Nath Singh, Hon'ble Minister, Govt. of Uttar Pradesh called upon the Engineers to make a resolution of



using their creative energy towards the progress of our country. He further made the Engineers awareness of their responsibility towards making the country a big power on the global platform. The Guest-of-Honour, Mr M M Bhatia, Chief Engineer, Indian Air Force, in his address enriched the knowledge of audience on the theme of the day. Earlier, Mr B N Sharan, Chairman of the Center welcomed the Chief Guest and other dignitaries present on the occasion. Mr Awdhesh Kumar, Honorary Secretary of the Center proposed the vote of thanks.

Alwar

Mr Sunil Gupta, Additional Chief Engineer, PWD, Govt. of Rajasthan graced the occasion as Chief Guest. Mr Gupta, in his address, praised the Engineers for their role in developing the nation. Mr Manohar Lal Yadav, Chairman of the centre delivered the welcome address and presided over the function. Mr K L Sharma, Past Chairman of the Centre spoke on the theme of the day. Other dignitaries present on the occasion included Mr R L Aggarwal, Wing Commander Mangal Singh and all others highlighted the achievements of Sir M Visvesvaraya. Mr Devi Singh, Chief Organizer of the event extended the vote of thanks.



Anantapuram

Mr Y Appa Rao, Superintendent Engineer, AP Transco, Anantapuram graced the occasion as Chief Guest and hailed the services of the great Engineer Statesman, Sir M Visvesvaraya. Mr P Narasimha Siva Teja, Committee Member of the Centre welcomed the gathering. A lecture was delivered by Prof C Shoba Bindu, Department of Computer Science & Engineering and Coordinator, Software Development Centre, JNTUA Anantapuramu. Mr K Hema Chandra Reddy, Past Chairman of the Centre presented a life sketch of Sir M Visvesvaraya. Prof C Sashidhar, Chairman of the Centre proposed the vote of thanks.



Angul

The Chief Guest, Dr Tapan Kumar Chand, Chairman & Managing Director, National Aluminium Company (NALCO) highlighted the fact that Industries like, NALCO have to adopt different facets of industry 4.0 at the earliest in order to remain globally competitive besides improving upon their productivity & efficiency. Dr Chand further mentioned the gruesome challenge of dealing with unemployment that would result because of higher extent of automation across different sectors. The Chief Speaker, Dr Ganapati Panda, former Deputy Director, IIT Bhubaneswar enumerated the myriad areas where Digital Transformation is helping the mankind and also the world of possibilities that is in store for us in near future courtesy this New Industrial revolution. The Guest-of-Honour, Mr R K Mishra, Executive Director (S&P) in his speech threw light on the evolution of Science & Technology right from the First Industrial Revolution to the current world of Digital Transformation. He also stressed on the fact that Industries like, NALCO will reap rich dividends by adopting the state of the art Automation methodologies across their shop floors. Earlier, Mr S K Dogra, Chairman of the Centre welcomed the guests and dignitaries while Mr Satyabadi Mishra, Honorary Secretary of the Centre gave brief introductions of the esteemed guests besides giving a brief synopsis of the numerous events carried out in the centre last year. Mr Sibaram Panda proposed the vote of thanks.



Anpara

The Chief Guest, Mr R K Sitani, Plant Head, Grasim Industries, Hindalco Group, Renukot appealed to the Engineering fraternity to follow the path laid down by the great engineer & statesman, Sir M Visvesvaraya. He called upon the technical experts to work for the betterment by setting up a task force and mutual sharing of their knowledge. Mr Deepak Kumar, General Manager, Anpara Thermal Power Station and Mr Rabin Sarkar, General Manager, Lanco Power, Anpara graced the occasion as Guests-of-Honour. Mr Sandeep Kumar Mishra delivered the keynote address on the theme, which dealt with the detailed account of various issues concerned with the appropriate engineering responsive technology inclusively. Earlier, Mr U C Mishra, Chairman of the Centre welcomed the august gathering. Mr Mukesh Kumar Singh, Honorary Secretary of the Centre proposed the vote of thanks.



Asansol



The Chief Guest, Mr A Dasgupta, Chief Executive Officer, SAIL-ISP, Burnpur highlighted some anecdotes of Sir M Visvesvaraya's life, portraying his sincerity and honesty. Speaking on theme, Mr Dasgupta stated that in the present day's context, new generation industries like, SAIL-ISP where state-of-the-art

technology is in place, there is abundant availability of field data captured through Level II or Level III automation application but engineers have to make good use of those captured data by proper analysis in determining process flow and appropriate process control measures. 'These modern machineries are never the less very sensitive and calls for utmost care in handling to achieve desired results', he added. The Guest-of-Honour, Mr P K Mishra, Divisional Railway Manager Asansol enunciated the engineering industrial revolution in the world as a whole. He enumerated on different basic elements like Data capturing, Data integrity, Analysis and synthesis of field Data and their meaningful transformation in decision making in process industries in the context of Digital Transformation. He further emphasized that to remain competitive industry has to adapt to digitalization as a way of life. The Special Guest, Mr C S Sinha, Executive Director (P&A), SAIL-ISP-Burnpur mentioned that the life story of Sir M Visvesvaraya will definitely encourage all the engineers to dedicate their services in nation building. Earlier, Mr K V R Raju, Chairman of the Centre welcomed the gathering. Mr T T Lahiri, Honorary Secretary of the Centre proposed the vote of thanks.

Aurangabad

Hon'ble Mr Haribhau Bagade (Nana), Speaker, Maharashtra State Legislative Assembly graced the occasion as Chief Guest and presided over the function. Mr P L Kokil, Managing Director, Sanjay Techno Plast Pvt. Ltd., Aurangabad delivered the keynote address on the theme. Mr A P Kohirkar, Executive Director, Godavari Marathwada Irrigation Development Corporation (GMIDC), Aurangabad, Mr K T Patil, Chief Engineer, PW Region, Aurangabad and Mr Suresh Ganeshkar, Chief Engineer, MSEDCL, Aurangabad graced the event as Guests-of-Honour. Dr Sudhir D Deshmukh, Chairman of the Centre presented the detailed information regarding the activities of the Centre. Mr A K Sasane, Honorary Secretary of the Centre briefed the life sketch of Sir M Visvesvaraya. The programme was concluded with the vote of thanks proposed by Mr K M Sayyad, Committee Member of the Centre.



Barauni

Mr R C Rai, Deputy General Manager-cum-ESC (Tech), Barauni Thermal Power Station (BTPS), Begusarai graced the occasion as Chief Guest and garlanded in the portrait of Sir M Visvesvaraya. Mr Rai delivered lecture on the theme of the day. Other dignitaries namely, Mr S K Singh, Chairman & Mr Niraj Kumar Singh, Honorary Secretary of the Centre were also present. Mr Ravi Bhushan & Mr Shadabul Hashan from EEE, BTPS graced the occasion with their august presence and spoke on the theme of the day.



Bareilly

Mr R K Chopra, Vice President, Kribhco Fertilizer, Shajhanpur and Mr Rajeev Swami, Superintendent Engineering, PWD, Bareilly graced the occasion as Chief Guest and Guest-of-Honour respectively. Mr B R Dutta, Dean Academy, ANA College, Bareilly mentioned that the Digital Transformation is the key for Industrial Revolution 4.0. Mr Hemant Yadav, Director, Prem Prakash Gupta Institute of Engineering &



Management, Bareilly expressed that an organization has to align to digital transformation considering all aspects. Mr Shivanshu Pathak, Deputy Manager (Inst.) Kribhco Fertilizer Ltd., Shahjanapur explained that the Industrial Internet of Things originally described the IOT (Internet of Things) as it is used across several industries such as manufacturing, logistics, oil and gas, transportation, energy/ utility, mining and metals, aviation and other industrial sectors and in use cases which are typical to these industries. Mr Vishal Sharma & Mr Shivang Gupta, Rajshree Institution of Group, Bareilly explained that the new paradigm is the convergence of a digital communication internet, a digital renewable energy internet, a digital automated transportation and logistics internet, to create a super-internet of things infrastructure. Earlier, Mr Subhash Mishra, Chairman of the Centre welcomed the gathering. Dr Pankaj Sharma, Honorary Secretary of the Centre proposed the vote of thanks.

Dhanbad

The Chief Guest, Mr Shashi Ranjan, Deputy Development Commissioner, Dhanbad, in his speech emphasized that benefit of digital transformation has reaching to the public even in the remote area and general public is aware of their right of the facilities being forwarded by the government administration. The Guest-of-Honour, Mr R N Singh, Deputy Director General (Mechanical) HQ, DGMS, Dhanbad, highlighted the role of the digital transformation in improving the benefits by the public to give maximum advantages by creating transformation in the country. Mr H N Karmakar, Past Chairman of the Centre delivered speech on the theme of the day. Earlier, Dr S K Singh, Chief Scientist, CSIR- Central Institute of Mining and Fuel Research, Dhanbad delivered welcome address. Dr T N Singh, Past Chairman of the Centre presided over the function and delivered the address. Dr K K Singh, Honorary Secretary of the Centre presented a life sketch of Sir M Visvesvaraya and proposed the vote of thanks at the end of the programme.



Durgapur



The Chief Guest, Mr A R Dasgupta, Executive Director (Projects), SAIL-Durgapur Steel Plant highlighted that Sir M Visvesvaraya was internationally popular Civil Engineer

for his brilliance and his great achievement in harnessing water resources in India. He further narrated that industrial revolution has started from Industry 1.0 to the present industrial revolution 4.0 and nine pillars of industrial revolution 4.0. i.e. Simulation, Additive Manufacturing, Cyber Security, Cloud Computing, Internet of things, Big data, Autonomous Robots, System Integration & Augmented Reality. Prof N K Roy, Department of Electrical Engineering, NIT Durgapur and Dr D V Rajan, Superintending Engineer, Damodar Valley Corporation, Durgapur Steel Thermal Power Station, Andal graced the occasion as Guests-of-Honour and addressed the gathering. Earlier, Mr R K Roy, Chairman of the Centre, in his welcome address, recalled the life time achievements of Sir M Visvesvaraya and urged the Engineers to come forward to take necessary steps to make digital India. Mr M N Bandyopadhyay, Honorary Secretary of the Centre, in his introductory address stated that digitalization is essential in our day to day activities for our daily life and also it is essential for our industrial revolution 4.0. He also proposed the vote of thanks at the end of the function.

Fariadabad

Mr Balraj Joshi, Chairman & Managing Director, NHPC Ltd. graced the occasion as Chief Guest of the function and shared the experiences in his organization related to special efforts made in the field of digitization. Mr M L Sharma, Chairman, Glen Appliances Pvt. Ltd. and Mr M P Rungta, Chairman & Managing Director, Cosmos Fibre Glass Pvt. Ltd. graced the occasion as Guests-of-Honour of the function. Mr Bhatia shared his experiences in his organization related to special efforts made in the field of digitization. Mr Rungta also addressed the gathering highlighted various aspects of digital transformation in industry. Earlier, Mr Subhash Chander, Chairman of the Centre, while delivering the welcome address stated that today's deliberations on the subject shall help delegates acquire additional skills on digitization and to bring in improvements in their respective work areas. The Honorary Secretary of the Centre, Mr Sandeep Handa, in his thematic speech, stated that engineering is the professional art of applying science to the optimum conversion of natural resources to the benefit of man. 'There is no room for complacency in the fast moving digital world. The only wrong move when it comes to Digital Transformation is not to make any move at all', he opined. Mr J P Singh, Immediate Past Chairman of the Centre proposed the vote of thanks.

Ghaziabad

The Chief Guest Mr Vijaya Singh, former General Manager, Indian Railways & former Managing Director, Tata Projects Ltd. analyzed the role of digital transformation in daily life especially in rural and middle sector of the society and put forward various challenges in its implementation. He further dealt upon its impact on rural economy. The Guest-of-Honor, Mr M K Seth, ITS Chief General Manager, Advanced Level Telecom Training Centre, Ghaziabad narrated various forms of Digital Transformation and explained each one of them by citing practical examples. The Keynote Speaker, Prof R P Maheshwari, Director, Raj Kumar Goel Institute of Technology highlighted about the Digital Transformation and its meaning, usefulness and explained how to bring comfort and change in the quality of life. Mr R R Tanwar, Council Member and Chairman of Electrical Engineering Division Board, IEI presented a brief account of various activities of IEI and exhorted all to take advantage of them. Earlier, Prof H S Sharma, Chairman of the Centre, welcoming the guests highlighted the contribution of Sir M Visvesvaraya in the development of nation and also spoke about the usefulness of Digital Transformation for the advancement and prosperity of the Nation. Prof S C Gupta, Honorary Secretary of the Centre proposed the vote of thanks.

Gorakhpur

Mr Rohit Singh Sajwan, Superintendent of Police, North Gorakhpur, graced the occasion as Chief Guest. The Keynote Speaker, Dr Sanjay Mishra, Associate Professor, Madan Mohan Malviya University of Technology, Gorakhpur explained, in details, the term Digital Transformation and deliberated how in the last decades the digital transformation has revolutionized the every aspect of human life. He described how an organization/ industry can transform itself by adopting various digital technologies like artificial intelligence, cloud computing, sensor technology and internet etc. Dr Mishra further emphasized on the various challenges the company has to face for restructuring the organizations and implementing new regulations while transforming to digital ecosystem. Special Guest on the occasion, Mr Jyoti Prakash Maskara, Director, Mahabir Jute Mills (MJM), Gorakhpur and President of Chamber of Industries, Gorakhpur mentioned that MJM Gorakhpur is the only jute mill in Uttar Pradesh, Bihar and Madhya Pradesh running successfully for more than eight decades. Being very close to machine and human, he expressed some fear from digitalization of industries or digital transformation in industries. Earlier, Mr V K Srivastava, Honorary Secretary of the Centre welcomed the gathering. Mr M W Beg, Chairman of the Center highlighted the theme of the Day. Mr Satish Singh, Past Honorary Secretary of the Centre proposed the vote of thanks.



Indore

Dr Rakesh Saxena, Director, SGITS Indore graced the occasion as Chief Guest and addressed the gathering. Mr Shailendra Gupta, AVP, Yash Technologies, Indore, graced the occasion as Guest Speaker. Dr Prashant Bansod, Chairman of the Centre delivered the welcome speech and threw light on the background of Engineers' Day. Mr Dinesh Wadhwa, Honorary Secretary of the Centre proposed the vote of thanks at the end of the programme.



Jabalpur



The Chief Guest Mr Nand Kumarum, Managing Director, Madhya Pradesh Poorva Kshetra Vidyut Vitran Company Ltd. Jabalpur appreciated the work done by IEI appealed to organize detailed workshop to usher the new theories and to perform research in association with East Discom. Mr Alok Dave, former General Manager, Rail Coach Factory, Raibarely, Dr Dinesh Chandra Chaurasia, Past Honorary Secretary of the Centre and Mr P Rajagopalan, Technical Advisor, Mumbai graced the occasion as the Guests-of-Honour. Mr Rajagopalan delivered the keynote address on the theme. Earlier, Mr Virendra Kumar Sahu, Chairman of the Centre delivered the welcome address. Mr Tarun Kumar Anand, Honorary Secretary of the Centre delivered speech on the theme. Dr Mukta Bhatele conducted the programme and Brig Vipin Kumar Trivedi proposed the vote of thanks.

Jamshedpur

Mr Dipankar Sen Gupta, Past Chairman of the Centre graced the occasion as Chief Guest. The Keynote Speaker, Mr Prateep Misra, Head, Technology & Engineering and Chief Architect of TCS IOT Platform – Connected Universe Platform (TCUP) spelt out about Industries around the world are now facing substantial challenges due to



recent environmental, societal, economic and technological developments regarding disruptive concepts of Internet of Things, Cyber Physical Systems or Cloud based Manufacturing, which lead to the fourth stage of industrial revolution. 'Industry 4.0 is focused on creating intelligent products, processes and procedures that leads to ubiquitous connectivity of people, things and machines and this is likely to be adopted worldwide and it might influence other initiatives and cooperative efforts', he added. Earlier, Mr Avneesh Gupta, Chairman of the Centre while delivering the welcome address, spoke about the importance of Engineers Day and introduced the theme of the day. On this occasion, Mr Neeraj Kant, Managing Director, IWC was Honoured with 'Distinguished Engineers Award' and Dr Rekha Chaudhary, Principal, Maryland Institute of Technology, Jamshedpur was Honoured with 'Lady Engineers Award'. The function was concluded with vote of thanks proposed by Prof Shalendra Kumar from NIT Jamahsedpur.

Kalaburagi

The Chief Guest, Mr Subodha, Yadav, Regional Commissioner and Secretary, Hyderabad Karnataka Region Development Board Kalaburagi, in his address urged the gathering to serve the Nation by devotion and dedication to duty



for the Nation. The Guest-of-Honour, Prof H M Maheshwaraiah, Vice Chancellor, Central University of Karnataka, appealed all Engineers to render their services for the cause of Nation by following the foot-prints of Sir M Visvesvaraya. Mr Ashok Patil,

Assistant Professor, PDA College of Engineering, Kalaburagi delivered the keynote address on the theme, briefing most important aspects. Mr M M Kadadi, Chairman of the Centre presided over the function. Dr Shashikant R Mise, Honorary Secretary of the Centre addressed the gathering, exhibiting the most illustrative projects and achievements of Sir M Visvesvaraya. Mr J L Shukla, Immediate Past Chairman of the Centre proposed the vote of thanks.

Kanpur

The Chief Guest, Prof Yatindra Nath Singh, Dean of Infrastructure & Planning, IIT Kanpur stated that Digital Transformation is essentially growth of connectivity, availability of cheaper computer devices, introduction of multilingual content and interfaces, leading to use of digital services by common men and this growth has given opportunities as well as challenges leading to emergence of new businesses and services. He further explained that new service industry has come up which maintains the resulting massive digital infrastructure. Earlier, Prof D P Mishra, Chairman of the Centre welcomed the Chief Guest and the other dignitaries present on the occasion. Prof Kumar Vaibhav Srivastava, Chairman, IEEE, Uttar Pradesh Section, presented a brief life sketch Sir M Visvesvaraya. Prof J Ramkumar, Immediate Past Honorary Secretary of the Centre proposed the vote of thanks.



Kanyakumari

The Guest-of-Honour, Dr T V S Pillai, Dean, University College of Engineering in his address, explained the hard tasks taken by Sir M Viswesvaraya. He further pointed out the town planning of Madurai City, which was designed



some 1000 years ago. The Keynote Speaker, Dr S Arumuga Perumal of St Hindu College explained about Internet of Things (IoT) and Digital Transformation. He elaborated how Digital Transformation playing a key

role for a New Industrial Revolution. Earlier, Dr M Edwin, Head, Department of Mechanical Engineering delivered the welcome address. In his address, Mr G Sivasubramanian, Chairman of the Centre enumerated the great

schemes such as, Krishna Raja Sahar Dam constructed under the guidance of Sir M Viswesvaraya. Mr V Sivathanu Pillai, Honorary Secretary of the Centre proposed the vote of thanks at the end of the function.

Kharagpur

Prof S K Roy, Metallurgical & Materials Science Engineering Department, IIT Kharagpur graced the occasion as the Chief Guest and addressed on the theme of the day. Earlier, Prof O P Sha, Chairman of the Centre, in his welcome address pointed out the contribution made by Sir M Visvesvaraya in the field of Engineering in India and emphasized the importance of observing this day. Prof D Maity, Honorary Secretary of the Centre proposed the vote of thanks at the end of the programme.



Kochi

Dr K Francis Jacob, Principal General Manager, BSNL inaugurated the ceremony as Chief Guest. Dr Jacob, in his address, expressed that the new revolutionary change of information technology has started reaching



the common man. Mr Paul George, Chairman of the Centre welcomed the speaker and other dignitaries. Mr K K Gopalakrishnan Nair made commemorative speech, explaining the life and achievements of Sir M Visvesvaraya as an Engineer and administrator. Mr T P Raveendran,

Honorary Secretary of the Centre proposed the vote of thanks.

Kolhapur

Mr Pratap Puranik, Proprietor, Pratap Packaging Products, Kolhapur and Managing Director, Minoo Industries Pvt Ltd, Kolhapur, graced the occasion as the Chief Guest and addressed the gathering. Dr Amit Andre, Data Scientist & Senior Vice President, Vinsys IT Services, Pune delivered the Keynote address on the theme of the day. Earlier, Dr P V Kadole, Chairman of the Centre welcomed all the guests and dignitaries. Mr Manoj Chavan, Honorary Secretary of the Centre proposed the vote of thanks at the end of the programme.



Kota

Dr Indramani Mishra, ICAR- Indian Agricultural Research Institute, Pusa New Delhi graced the occasion as Chief Guest and expressed that engineers should



be honest, hard worker and dedicate to the nation. He further explained that in agriculture field, every work is doing with Digital Information and Digital Transformation for benefit of farmers. The Guest-of-Honour, Mr V K Jain, Project Director, Rawatbhata Rajasthan site, Nuclear Power

Corporation of India Ltd. (NPCIL), Kota expressed regarding the unit 5&6 of NPCIL Rawatbhata as based on Digital Transformation. Another Guest-of-Honour, Mr S P Majumder, General Manager from CESC, Kolkata highlighted

about the Smart Meter, which is based on Digital Transformation. The Guest Speaker, Mr A K Gupta, former Managing Director, Jaipur Vidyut Vitran Nigam Limited explained that those companies do not transform their way of doing business will eventually disappear. 'It's not about spending more on technology; it's about how we use this technology to benefit our employees and our business', he added. Other Guest Speaker, Mr G K Sharma, Additional Director (IT), Govt. of Rajasthan narrated that Digitalization is a process of social renewal that offers immense scope for positive change and it isn't limited to technology. Mr O P Saxena, Council Member, IEI mentioned that Engineering is a Nobel profession and everybody should proud of it. 'For development of India, engineers are doing so many innovations', he added. Earlier, Mr C K S Parmar, Chairman of the Centre welcomed the guests and dignitaries present on the occasion. Mr Jasamat Singh, Honorary Secretary of the Centre extended vote of thanks.

Kozhikode

Mr V K Adarsh, Senior Manager (Technical), Union Bank of India (Nodal Regional Office), Ernakulam elaborated on the theme and emphasized the need for Digital Transformation rather than translation. He mentioned the contributions of engineers like Sam Pitroda, Nandan Nilkani etc. Prof K P Mohandas, Chairman of the Centre, in his address, emphasized the need for dedicated sincere effort on the part of all engineers in Kerala in rebuilding the State. He briefly narrated life sketch of Sir M Visvesvaraya. Earlier, Mr Jithesh C, Honorary Secretary of the Centre welcomed the august gathering. Mr Santhosh, Vice Chairman, Kerala State Electricity Board Engineers' Association proposed the vote of thanks.



Madurai

The Chief Guest, Dr S Natarajan, District Collector, Madurai, in his address, mentioned that the entire world is moving towards digital era. 'From the days of Radio, the world has moved to Television, LCD TV, Cell phone and I-phones and from computer application moved towards Big data, Simulation, virtual images etc. which has made Industry a Vertical Integration', he added. He further requested the engineers to apply this in Engineering Advancement in rain water harvesting and to save every drop of water. He stated that the desalting of all tanks is urgent necessity to improve the storage capacity and modernise the channel flow and quantify the usage correctly without any wastage. Earlier, Mr K Vijayakumar, Chairman of the Centre delivered the welcome address. Mr K Chakrapany, Past Chairman of the Centre highlighted the contribution and achievements of Sir M Visvesvaraya from his Biography. Mr P Rajamani, Vice President, IEI read out the Engineers Day Pledge and presented a memento to the Chief Guest. Mr J Samuel, Honorary Secretary of the Centre introduced the Chief Guest to the audience and proposed the vote of thanks at the end of the programme.



Meerut

Dr Sanjeev Kumar Sharma, Director, JP Institute of Engineering and Technology, Meerut graced the occasion as Chief Guest and addressed the gathering. The Keynote Speaker, Prof Dinesh Kumar, Head, Department of Mechanical and Industrial Engineering, IIT Roorkee, in his address, explained the challenges, which the Industries around the world are presently facing due to recent developments. 'The fourth stage of industrial revolution is on the way.



The Conventional and traditional production concepts are being replaced by digitization', he added. Dr Inderdeep Singh explained the Innovative Product Design and manufacturing and said that the product life cycles are shrinking and gone are the days when a customer will use the same product for his life time. Mr S K Kumar, former Chief Engineer of UP Irrigation stated that the floods in Kerala were fury of nature but disaster was worsened by lack of climate forecast and warning system. Earlier, Mr S C Govil, Chairman of the Centre welcomed the guests and dignitaries. Mr Rajneesh Kumar, Honorary Secretary Centre conducted the programme and proposed the vote of thanks.

Munirabad

Mr B G Eshwarappa, former Superintendent Engineer graced the occasion as Chief Guest and addressed the gathering. The Guest Speaker, Mr T Nazeeruddin, Head, TMAES Polytechnic College explained about the role of Engineers in the field of Digital Transformation and uses to be the industries in order to produce more products and profits with less investment adopting this technology. He further explained that the uses and benefits to the society and the facts & figures. Mr Rajashekhara Gowd P, Honorary Secretary of the Centre welcomed the guests and proposed the vote of thanks at the end of the programme.

Nashik



Dr Ravinder Kumar Singal, Commissioner of Police, Nashik and Mr Mahendra R Kothari, Council Member, IEI graced the occasion as the Chief Guest and Guest-of-Honour respectively and addressed the gathering. Mr Santosh Mutha, Chairman of the Centre welcomed the guests and dignitaries. Mr Vipul Mehta, Joint Secretary of the Centre compared the programme. Mr Ajit Patil, Honorary Secretary of the Centre proposed the vote of thanks.

Saurashtra

Mr Shirish Paliwal, Principal Director, National Productivity Council, Gandhinagar, graced the occasion as Chief Guest and addressed the gathering. The Theme Speaker, Dr Krunal N Vaghela, Assistant Professor, Computer Engineering Department, Marwadi University, Rajkot, in his address stated that on a digital platform, industry 4.0 is applied with three mutually interconnected factors namely, Digitalization and integration of any simple to complex technical commercial relation. Digitalization of products and service offers new market models. He further presented detailed information about three principal approaches in industry 4.0 concept mainly horizontal integration, vertical integration and integrated digital engineering. Earlier, Mr Navin R Kalaria, Honorary Secretary of the Centre and Prof P H Darji, C U Shah University, Wadhawan welcomed the august gathering. Dr Vedvyas Dwivedi, Provost, C U Shah University presided over the function. Prof Veera Darji, Head, Mechanical Engineering Department, C U Shah Engineering College proposed the vote of hanks.



Silchar

Mr Nikhil Ranjan Choudhury, Chairman of the Centre, in his welcome address advised young Engineers to follow the ideals of Sir M Visvesvaraya. The Guest-of-Honour, Mr Y K Bansod, General Manager, BSNL, Silchar delivered the keynote address. Another Guest-of-Honor, Mr M Sri Jagannadh, Deputy Manager, Star Cement Limited expressed his satisfaction the role of Engineers in the development of the country. Other dignitaries present on the occasion included Prof F A Talukdar, Head, Department of Electronics &



Telecommunication Engineering, NIT Silchar and Prof Sudipto Roy of Assam University and spoke on the theme of the day. Mr D K Kundu, Honorary Secretary of the Centre proposed the vote of thanks.

South Gujarat

Mr Hetal Mehta, President, Southern Gujarat Chambers of Commerce & Industry graced the occasion as Chief Guest and addressed the gathering. Mr Rohit Pandya, South Gujarat Regional Technical Head, ULTRATECH presented a brief information of the workshop. Dr D V Bhatt and Dr Atul S Shah graced the occasion with their valuable presence. Earlier, Dr P H Tandel, Chairman of the Centre welcomed the guests and dignitaries. Mr Mukund Master, Honorary Secretary of the Centre gave brief introductions of the esteemed guests with a brief summary of the Workshop and proposed the vote of thanks at the end of the function.



Sunabeda

Prof K Ramji, Vice Chancellor, Dr B R Ambedkar University, Srikakulam graced the occasion as the Chief Guest and addressed the gathering. Mr Asutosh Mallick, General Manager, Engine Division, Hindustan Aeronautics Ltd. (HAL), Sunabeda, Mr D K Mohanty, Executive Director, NALCO, Damanjodi and Mr Debashis Deb, Executive Director, HAL, Koraput graced the occasion as Guests-of-Honour. Prof Pradipta Kumar Nanda, Dean (R&D), SOA University, Bhubaneswar delivered the Keynote Address. Earlier, Mr Jitendra Mohan Sahu, Chairman of the Center delivered the welcome address to the gathering and presented a brief life sketch of Sir M Visvesvaraya. Mr Guru Prasad Dash, Honorary Secretary of the Center briefed about activities of the Center. Mr Sunil Kumar Biswal, Convener of the event proposed the vote of thanks.



Tiruchirappalli

The Chief Guest, Dr Bhimaraya Metri, Director, Indian Institute of Management, Tiruchirappalli, in his address, stated that the revolutions in the digital field created an imbalance in the industry. 'Since the evolution of smart manufacturing or Industry 4.0, the topography of employable skills is changing, the new skill sets are becoming the order of the day', he added. He highlighted that Industry 4.0 leads to new opportunities for employment at the same time it disturbs existing jobs. 'We are moving driverless cars and even there may be a situation where nobody will own a car but enjoy the luxury of a car by getting cars on demand', he added. Mr P Raguraman, General Manager, Unit II, BHEL, Tiruchirappalli, in his address stated that Engineers play a very significant role in every walk of our lives and they convert theoretical knowledge of basic sciences into actual products and thus make our lives easy. Earlier, Mr R Selvaraj, Chairman of the Centre welcomed the gathering. Mr S Lakshmanan, Honorary Secretary of the Centre proposed the vote of thanks.



Trichur

The Chief Guest, Prof Sunil Kumar C P, former Head, Govt. Engineering College, Thrissur in his address, threw light on how Internet of Things (IoT), Cloud Computing, Artificial Intelligence, Machine learning etc. revolutionized the Industry through digital technology intervenes. 'This has pragmatically



given rise to 4th Industrial Revolution termed as Industry 4.0', he added. Dr Sunil Kumar further described Digital Infrastructure of India to march towards transforming the country to Digital India. Earlier, Mr V Damodaran, Chairman of the Centre presided over the function. Mr Sugathan U K, Honorary Secretary of the Centre proposed the vote of thanks.

Tuticorin

The Chief Guest, Mr K Natarajan, Chief Engineer, Tuticorin Thermal Power Station (TTPS) enumerated that team work shall always reap dividends. He further mentioned that Sir M Visvesvaraya has been a role model and guiding leader for thousands of employees of TTPS in ensuring sustained operation of power plant and nurturing the environment by planting more than a thousand five hundred trees within a year in the plant and residential areas. Mr Natarajan highlighted the excellent contribution of Sir M Viswesvaraya towards water conservation, drip irrigation and building of dams in various states and countries across the world. He emphasized that we must keep "Service before Self" and reach out to all in need by sharing our knowledge and resources. Mr Saravanan, Assistant Executive Engineer, TTPS, speaking on the theme explained in depth the great achievements in digital transformation and the challenges encountered in every walk of life during digital transactions. Mr S Aribu Sulthan, Chairman of the Centre welcomed the gathering and presided over the function. Earlier, Mr I Maria Michael Raj, former Senior Scientific Officer, Department of Atomic Energy & Convener of the event, introduced the Chief Guest. Mr E Henson Victoria, Honorary Secretary of the Centre proposed the vote of thanks.



Udaipur

The Chief Guest, Mr Ibrahim Ali, Former Director (Projects), Hindustan Zinc Ltd. emphasized on the quality education in Engineering and briefed that for employment, industry desires quality engineers but many of the engineering college students have lesser knowledge to get proper employment. The Keynote Speaker, Mr Pankaj Kumar, COO (Smelting Operations), Vedanta – Hindustan Zinc Limited, Udaipur, speaking on the theme shared his experience and stated that money transfer from mobile to bank account is latest example of Digital transformation. Mr Anurodh Prashant, Chairman of the Centre welcomed the gathering and also highlighted about the theme and its importance. Mr Y K Bolia, Honorary Secretary of the Centre anchored the programme and proposed the vote of thanks.



Upper Assam

The Chief Guest, Mr Apurba Kumar Sarma, Executive Director, Eastern Asset of Oil, in his address, called upon all the engineers to discharge their duties in efficient and excellent way but not at the cost of the life supporting elements of the mother earth like air, soil, water and healthy environment. 'We have to serve the nation by considering the welfare of the stakeholders while we discharge our duties through various institutions, organizations in public or private domain', he added. The Guest-of-Honour, Ms Sukla Mistry, CGM & Unit Head, Digboi Refinery (IOCL-AOD) elaborated on the meaning of digitisation and its impact on the industries in the process of stage by stage up gradation. She further clarified that big data can bring big impact



by citing the examples. She stressed upon on the change of mind set of everybody concerned which will ultimately lead India a major users of digital transformation and will successfully reap the benefit of this fourth stage revolution. Other Guest-of-Honour, Mr Hari Krishna Changmai, General Manager & Plant Head, AGBPP—NEEPCO stated that the array of equipment and some health instruments used by doctors to detect the diseases are due to the contribution of engineers in the background. He called upon all the engineers to set the benchmarking at par with international level and to excel in their respective domain in the professional fronts. Earlier, Mr Amitava Dasgupta, Chairman of the Centre, in his welcome address, focused on the historic development of binary system, early digital computers, the history of the development of internet & the accelerated change and impact it brought in human society. He also highlighted the process of modern day's digital transformation in the industries globally and in our civic & personal life and its impact on our society. He also talked about the three industrial revolution that mankind has seen & the fourth Industrial revolution that mankind is going through presently. Mr Ramesh Chandra Das, Honorary Secretary of the Centre read out the life sketch of Sir M Visvesvaraya.

Varanasi

The Chief Guest, Mr Gyan Prakash Pandey, Chief Engineer, UPPWD (Varanasi Zone) focused on the importance modern of digital and communication systems in various areas of engineering practice, particularly in the areas of infrastructure development, monitoring of the progress of the civil work and several related issues. He further stressed upon the era of ICT where there is a need for better coordination between



different agencies to reduce delays and project over runs currently being seen all around in various sectors. He enumerated that digital communication and information technology tools will go a long way in implementing and completing various developmental projects on time. The Guest-of-Honor, Mr Alok Kumar Mishra, General Manager, BSNL, Varanasi enlightened the gathering by enumerating on the role of 2G, 3G, and 4G based digital communication systems and how BSNL played a key role in extending the vast network of communication and digital systems that are not only helping common people by making their life a lot more easier but also various aspects of financial and industrial sectors across the country. He, however also cautioned that in spite of enumerable advantages this technology too has its own problems. Earlier, Prof Anil Kumar Agrawal, Chairman of the Centre welcomed the guests and dignitaries. Prof Prabhas Bhardwaj, Honorary Secretary of the Centre presented a brief report highlighting the activities of IEI as well as of the Centre. Prof Siddh Nath Upadhyay, Convener of the event proposed the formal vote of thanks.

OVERSEAS CHAPTER

Baharain

Mr Vivek Helwatkar, Chairman of the Chapter, delivered the welcome speech. Mr Rajiv Kumar Singh spoke on the theme 'Digital Transformation: A New Industrial Revolution'. Mr Ramit Srivastava spoke on the topic 'Environment and Green Buildings' and Mr Pratap Kumar on the topic 'Remote Sensing and GIS Systems'.



Technological Advancements and Emerging Mining Methods

Dhanbad Local Centre of the Institution in collaboration with CSIR-Central Institute of Mining & Fuel Research (CIMFR), Dhanbad organized All India Seminar on 'Technological Advancements and Emerging Mining Methods' under the aegis of Mining Engineering Division Board of IEI during August 24-25, 2018 at Dhanbad. Her Excellency, Ms Droupadi Murmu, Hon'ble Governor of Jharkhand graced the occasion as Chief Guest. Hon'ble Governor, in her address stated that mining sector is very important for the growth of Indian economy and it is very sensitive to environment during mining operations to make it sustainable. 'For this, we need to develop technologies and also best practices to conserve our environment while continuing developmental activities and our state has shown considerable progress in all areas and it still has immense potential for further development', she opined. She further enumerated that there is a need for mining sector is to produce clean energy and development of new technologies covering "Mine-to-Market" i.e. exploitation-to-utilization of natural resources. Further, Hon'ble Governor also focused on creation of a conducive environment for industrial growth in India as a whole and in Jharkhand in particular. The Guest-of-Honour, Mr P K Sinha, Chairman & Managing Director, Northern Coalfields Ltd. highlighted the need for safety and productivity with conservation of mineral and environment especially related to deep opencast mines. Earlier,



Dr P K Singh, Director, CSIR-CIMFR, Dhanbad welcomed the guests & dignitaries and highlighted the importance of the theme of the Seminar. Dr S K Singh, Organizing Secretary of the event summarized about the technical details of the papers to be presented during the technical sessions of the Seminar. Dr K K Singh, Honorary Secretary of the Centre proposed the vote of thanks at the end of the function.

News-in-Brief

The following is a brief account of Technical Activities organised by various Centres and Overseas Chapter of the Institution

STATE CENTRES

Andaman & Nicobar

Lecture on 'Non-Structural Problems for Structural Engineers' delivered by Mr Sapra Bhattacharya, Senior Lecturer, School of Civil Engineering & Surveying, University of Portsmouth, United Kingdom on August 27, 2018.

Bihar

Seminar on 'Role of Engineering in Conservation of Energy & Environment' on August 5, 2018.

Jharkhand

'B K Verma Memorial Lecture' delivered by Mr R K Pandey, Member (Project), National Highways Authority of India on July 21, 2018.

Karnataka

Lecture on 'Solving Traffic Problems of Bangalore' delivered by Dr Anilkumar P Grampurohit, Police Inspector, Traffic Planning, Bengaluru City on August 17, 2018

Lecture on 'Cyber Security & Penetration Testing' delivered by Dr Manish Kumar, Assistant Professor, Department of Computer Applications, M S Ramaiah Institute of Technology, Bengaluru on September 6, 2018.

Organized 9th Prof Satish Dhawan Commemoration Lecture 2018 on the topic 'Future Fun' delivered by Mr C R Sathya, Senior Vice President (Technology), Tata Advance Materials Ltd. on October 6, 2018.

Kerala

Lecture on 'Key Tips for Project Success' delivered by Mr E J Francis, Retired Group Director, CCQG, Vikram Sarabhai Space Centre, Thiruvananthapuram on September 5, 2018.

Lecture on 'Amphibious Construction - A Challenge to Flood Prone Areas' delivered by Mr Nanma Gireesh, Government Engineering College, Barton Hill, Thiruvananthapuram on September 12, 2018.

Lecture on 'Trends in Logistics' delivered by Dr P Ravikumar, Associate Director, Intelligent Transportation and Networking Section (ITNS), Centre for Development of Advanced Computing (C-DAC) on September 19, 2018.

Lecture on 'Kerala – Flood and After' delivered by Mr P Abraham Paul, Freelance Consultant, ICT & ICN on September 26, 2018.

Punjab & Chandigarh

Workshop on 'Advanced Wireless Communication and its Implications' during September 10-14, 2018.

Telangana

Dr S Raghavachari 4th Endowment Lecture on 'Road Safety Audit for Improved Traffic Safety' delivered by Dr T S Reddy, Senior Consultant, Traffic and Transportation, LEA Associates South Asia Pvt. Limited, New Delhi on August 15, 2018.

'Mr Maturi Gopal Rao' 21st Endowment Lecture on 'NDT Applications in Civil Engineering' delivered by Prof V Bhikshma, Department of Civil Engineering, University College of Engineering, Osmania University on September 10, 2018

Uttar Pradesh

Lecture on 'Reclamation on Sodic Land in UP' delivered by Mr S A Khan, Retired Executive Engineer, UP Irrigation Department on September 15, 2018.

LOCAL CENTRES

Anantapuram

Lecture on 'Earth Quake Resistance of Reinforced Concrete Structures' delivered by Dr N Venkata Ramana, Associate Professor, Department of Civil Engineering, BDT College of Engineering, Davanegere on September 22, 2018.

Anpara

Organized 'Royal Charter Day 2018' on September 9, 2018.

Belapur

Celebrated 'World Environment Day' on June 8, 2018.

Lecture on 'Total Quality Management – Strategic Approach' delivered by Mr R P Mohanty, former Vice Chancellor, SOA University, Bhubaneswar and former Vice President, ACC, Mumbai on June 12, 2018.

Faridabad

Lecture Meeting on 'IoT (Internet of Things) and AI (Artificial Intelligence)' delivered by Ms Charu Malhotra, CEO, TAP- DC on September 4, 2018.

Organized a Technical Quiz on 'Battle of Brains' on September 5, 2018.

Gwalior

Lecture on 'Water Quality: Automated Variation Filtration (AVF)' delivered by Mr Vinay Kumar Shukla on July 15, 2018.

Observed 'World Nature Conservation Day' on July 28, 2018.

Celebrated 'Small Industry Day' on August 30, 2018.

Organized Lecture Meeting on 'Engineering Management Skills' on September 2, 2018.

Celebrated 'World Ozone Day' on September 16, 2018.

Kalaburagi

Lecture on 'Role and Responsibility of Engineers in Society' delivered by Ms Pallavi Biradar on August 30, 2018.

Lecture on 'Enabling the Positive use of Artificial Intelligence for All' delivered by Prof Ashok Patil, Assistant Professor, PD College of Engineering, Kalaburagi on September 4, 2018.

Palghat

Organized Technical Visit to 'Navabharat System and Devices Pvt. Ltd, Kottakkal' on September 22, 2018.

Rourkela

Lecture on 'The Enchanting Science of Electrochemistry: Corrosion to Creation' delivered by Prof Archana Mallik, Department of Metallurgical and Materials Engineering, NIT Rourkela on September 5, 2018.

Saurashtra

Organized Technical Visit to 'Pumping Station – Dhanki across Saurashtra Branch Canal of Sundar Sarovar Dam' on September 19, 2018.

Lecture on 'Zero Effect – Zero Defect' delivered by Mr Jayen Kotcha on October 4, 2018.

Tiruchirappalli

Lecture on 'Knowledge Management for an Engineering Organization' delivered by Mr D Senthil Kumar, Senior Manager, Information Technology Solutions & Services, BHEL, Trichy on September 11, 2018.

Lecture on 'Smart Grid Pilot Project' delivered by Mr N S Suresh, Research Scholar, NIT Trichy on September 4, 2018.

Upper Assam

Workshop on 'Good Practices of Plumbing' on August 20, 2018.

Ninety-eighth Annual General Meeting of The Institution of Engineers (India)

Proceedings

The 98th Annual General Meeting (AGM) of The Institution of Engineers (India) was held at 1430 hrs on 23 Dec 2017 at Hotel Le Royal Meridien, 1 GST Road, St Thomas Mount, Chennai, Tamil Nadu 600016.

Attended by 156 Corporate Members, the meeting was chaired by Mr Navinchandra B Vasoya, FIE, President of IEI. The President welcomed the Past Presidents, President-elect and Corporate members of IEI present at the meeting.

The President announced that Jharkhand State Centre and Hosur Local Centre of The Institution of Engineers (India) had been adjudged the best State Centre and best Local Centre respectively for their all-round performance during the year 2016-2017. President presented the trophies of the best State and Local Centre Awards, Certificates and cheques of Rs.50,000/- each to the Chairmen of the Centres.

The President, before taking up the Agenda items, informed that during his tenure of office of the President, IEI, the Council took many important decisions for the best interest of the Institution. He thanked the Past Presidents, Council Members and Corporate Members of the IEI for extending their wholehearted support on all his activities during his tenure. He requested the Council Members and the Corporate Members for extending their wholehearted support to Mr Sisir Kumar Banerjee, the incoming President, in all his endeavours.

Thereafter, on being invited by the President, the Secretary and Director General read out the Notice of the meeting published in November 2017 issue of IEI News.

ITEM 1 Confirmation of Minutes of the 97th Annual General Meeting held on 18 Dec 2016 at Kolkata

The Minutes of the 97th Annual General Meeting held on 18 Dec 2016 at Kolkata were circulated to all Corporate Members through Mar 2017 issue [Vol. 66, No.12, Page 5-7] of IEI News. The same was recirculated in the Nov 2017 issue [Vol.67, No.8, Pages 11-13] of IEI News along with the Notice of the 98th Annual General Meeting. President invited comments on the Minutes from the members present. Dr G Ranganath, FIE proposed that the Minutes of the 97th Annual General Meeting of The Institution of Engineers (India) held on 18 Dec 2016 at Kolkata be confirmed. Mr Suneel Grover, FIE seconded the proposal.

It was Resolved that the Minutes of the 97th Annual General Meeting of The Institution of Engineers (India) held on 18 Dec 2016 at Kolkata be confirmed.

ITEM 2 To receive the Annual Report of the Council and the Audited Accounts of The Institution of Engineers (India) for the year ended 31 March 2017

(a) Annual Report

President invited comments from the members present on the Annual Report of the Council for the year 2016-2017 as circulated.

Mr Kashmir Lal Mallik, FIE then proposed that the Annual Report of the Council for the year 2016-2017 be received. Dr G S Mundada, FIE seconded the proposal.

It was Resolved that the Annual Report of the Council for the year 2016-2017 be received.

(b) Audited Accounts

President then invited comments on the Audited Accounts of The Institution of Engineers (India) for the year ended 31 Mar 2017.

Dr S Bhaumik, FIE then proposed that the Audited Accounts of The Institution of Engineers (India) for the year ended 31 Mar 2017 be received. Mr A Mukherjee, FIE seconded the proposal.

It was thereafter Resolved that the Audited Accounts of The Institution of Engineers (India) for the year ended 31 Mar 2017 be received.

ITEM 3 To Receive the Report of the Council on Election of the President and Composition of the Council for the Session 2017-2018

The President announced that the Council had duly elected Mr Sisir Kumar Banerjee, FIE as President of The Institution of Engineers (India) for the Session 2017-2018. The members welcomed the announcement. Thereupon, Mr Sisir Kumar Banerjee took over charge from Mr Navinchandra B Vasoya and presided over the meeting.

Mr Sisir Kumar Banerjee, President presented the Scroll of Honour to Mr Navinchandra B Vasoya, Immediate Past President.

Mr Sisir Kumar Banerjee thanked the Council and the members present for electing him as the President of The Institution of Engineers (India) and sought their help and guidance for further development of the Institution. He then delivered his Presidential Address.

In his address, the President expressed that he was grateful to the Council for having bestowed upon him the opportunity for serving the Institution in this prestigious position. It would be his endeavour to keep up the high standards set by his eminent and illustrious predecessors.

He underscored the necessity of all round agricultural development with the application of innovations in the domain of Science & Technology and stressed that the development of ground water and surface water resources be looked upon as complementary activities to establish planned irrigation facilities ensuring intensive cultivation programme for meeting effectively the goal of making India self sufficient in the production of food grain for the entire population of the country. He considered it to be the biggest challenge before the engineers to ensure best development with least carbon footprint on the environment, creating environment-friendly, ecologically appropriate, energy saving developmental options - sustainable for the present as well as the emerging generations down the line.

He highlighted the necessity of Skill Development enterprise in both public and private sectors, and mentioned of the recent planning and implementation by Government of India of large scale infrastructure to help people to be trained in different spheres of technical jobs and applications, so as to fulfil the requirement of technically skilled manpower and to reduce the colossal scale of unemployment in the country. He marked it as an opportunity for IEI to consolidate on its historical legacy and build further to contribute significantly to the cause of rapid economic development of the Country through use of latest technologies and skilled manpower.

He assured of his constant focus on the members from all disciplines of engineering science and the technical student community in particular who are the strength and source of inspiration. Regular communication with them, organizing more technical activities to ensure their participation and providing them additional benefits aimed at enhancing their professional knowledge would always be his constant effort.

On being requested by Mr Sisir Kumar Banerjee, President, the Secretary and Director General reported the following composition of the Council for the Session 2017-2018:

Mr Sisir Kumar Banerjee, President

(1) Under provisions of Bye-Law 4(a)(ii)

The following, by virtue of their being the two Immediate Past Presidents, shall become Members of the Council for the Session 2017-2018 :

Mr Navinchandra B Vasoya and

Mr H C S Berry

(2) Under provisions of Bye-Law 4(a)(iii)

The following Corporate Member has been declared elected to the Council from the respective State Centre seat for the Sessions 2017-2018 to 2020-2021 and shall be Member of the Council for the Session 2017-2018:

Kerala :: Mr V Vijayachandran Nair

The Corporate Members elected to the Council from the following State Centres shall continue as Members of the Council for the Session 2017-2018 :

Elected for the Sessions 2016-2017 to 2019-2020:

Andhra Pradesh :: Dr K Brahma Raju
 Delhi :: Mr Pradeep Chaturvedi
 Gujarat :: Mr Sandeep B Vasava
 Karnataka :: Dr M Chowde Gowda
 Maharashtra :: Mr M B Dagaonkar
 Odisha :: Dr Nutan Kumar Dash
 Tamilnadu :: Mr T M Gunaraja
 Telangana :: Mr G Sudhakar
 Uttar Pradesh :: Mr V B Singh

Elected for the Sessions 2014-2015 to 2017-2018:

Bihar :: Dr Arun Kumar Shrivastava
 Jharkhand :: Mr A K Saxena
 Madhya Pradesh :: Mr P P Agarwal
 Rajasthan :: Dr S K Calla

Elected for the Sessions 2015-2016 to 2018-2019

Haryana :: Mr K C Sethi
 Punjab and Chandigarh :: Mr A S Bakshi

(3) Under provisions of Bye-Law 4(a)(iv)

The following elected members from 15 Divisional seats for the Sessions 2016-2017 to 2019-2020 shall become members of the Council for the Session 2017-2018 :

Aerospace (1) :: Prof R M Vasagam

Agricultural (1) :: Mr D V Nagabhushan
 Architectural (1) :: Mr H K Mittal
 Chemical (2) :: Mr Navinchandra B Vasoya
 Dr M P Sukumaran Nair

Civil (5) :: Mr Sisir Kumar Banerjee
 Mr Parminder Singh Bhogal
 Mr H O Thakare
 Mr O P Saxena
 Mr Narendra Singh

Computer (2) :: Mr B S Patel
 Mr K Rajanikanth

Electrical (4) :: Prof Himansu Bikas Goswami
 Mr Mahendra Ratanlal Kothari
 Mr P Rajamani
 Mr R R Tanwar

Electronics & :: Dr T S Kamal
 Telecommunication (4) Dr (Ms) Gunnu Padmavathi
 Mr B Brahma Reddy
 Mr S C Rudra

Environmental (1) :: Dr M Velan
 Marine (1) :: Dr K Gopalakrishnan
 Mechanical (5) :: Dr Swapan Bhaumik
 Dr Wooday P Krishna
 Mr Enti Ranga Reddy
 Mr Jagroop Singh
 Dr K Venkatasubbaiah

Metallurgical & Materials (1) :: Mr Kishore Kumar Mehrotra

Mining (1) :: Mr D V Pichamuthu
 Production (1) :: Dr Deb Kumar Tripathi
 Textile (1) :: Dr (Ms) G Thilagavathi

(4) Under provisions of Bye-Law 4(b)(i)

By virtue of being elected as Chairmen of the following State Centres for the Sessions 2017-2018 and 2018-2019 and installed at the Annual General Meeting of the respective State Centres, the following persons shall become members of the Council for its Session 2017-2018:

Haryana :: Mr Ajay Mahajan
 Himachal Pradesh :: Mr R K Sharma
 Tripura :: Mr Tapan Lodh
 Punjab & Chandigarh :: Mr Janak Raj Garg

Further, Chairmen of Andhra Pradesh State Centre and Rajasthan State Centre for their Sessions 2016-2017 and 2017-2018, Madhya Pradesh State Centre and Sikkim State Centre for Sessions 2017-2018 and 2018-2019 shall become members of the Council for the Session 2017-2018 on their taking office at the AG Meeting of the said State Centres.

By virtue of being elected as Chairmen of the following State Centres for the Sessions 2016-2017 and 2017-2018, following persons shall continue as members of the Council for its Session 2017-2018:

Andaman & Nicobar	::	Mr D Sathyamoorthy
Assam	::	Dr Aswini Kumar Baruwa
Bihar	::	Mr Ashok Kumar Sinha
Chhattisgarh	::	Mr Jagdish Prasad Saboo
Delhi	::	Mr Devendra Gill
Goa	::	Mr G M N Parrikar
Gujarat	::	Mr Sandeep B Vasava
Jammu & Kashmir	::	Mohammad Ashraf Fazili
Jharkhand	::	Mr Sanjay Sen
Karnataka	::	Prof (Dr) N Chikkanna
Kerala	::	Mr N Rajkumar
Maharashtra	::	Mr V S Ghogare
Manipur	::	Mr K Temba Singh
Meghalaya	::	Mr Timothy Dkhar
Odisha	::	Dr P K Parhi
Puducherry	::	Prof (Dr) Pajaniradja Alias Kichena K
Tamilnadu	::	Dr G Ranganath
Telangana	::	Dr Seeram Satyanarayana
Uttarakhand	::	Mr Ranveer Singh Chauhan
Uttar Pradesh	::	Prof (Dr) Bharat Raj Singh
West Bengal	::	Mr Kashmir Lal Mallik

(5) Under provisions of Bye-Law 4(b)(ii)

By virtue of being elected as Chairmen of the following Local Centres for the Sessions 2017-2018 and 2018-2019, the following persons shall become members of the Council for its Session 2017-2018 :

Nashik	::	Mr Santosh S Mutha
Visakhapatnam	::	Mr O Ram Mohan Rao

By virtue of being elected as Chairmen of the following Local Centres for the Sessions 2016-2017 and 2017-2018, the following persons shall continue as member of the Council for its Session 2017-2018 :

Belapur	::	Mr Jaswant Navnital Mistry
Coimbatore	::	Dr S Thangavelu
Durgapur	::	Mr Raj Kumar Roy
Ghaziabad	::	Dr (Prof) Hari Shankar Sharma
Kanchipuram	::	Dr R Venkatesan
Kochi	::	Mr N Paul George
Ludhiana	::	Brig Mastinder Singh

Madurai	::	Mr K Vijaya Kumar
Mysore	::	Mr M Chinnaswamy
Nagpur	::	Dr Dilip Prabhakar Mase
Neyveli	::	Mr P Selvakumar
Pune	::	Dr G S Mundada
South Gujarat	::	Dr P H Tandel
Vadodara	::	Mr Ashitkumar J Shah

(6) Under provisions of Bye-Law 4(c)

Following outstanding engineering personalities shall become members of the Council for its Session 2017-2018 as recommended by the Committee of Five Members and approved by the Council:

- Mr Suneel Grover, FIE
Chief Engineer, H P S E B Ltd
Shimla, Himachal Pradesh
- Mr M K Jadav, FIE
Secretary (Water Resources), Narmada Water Resources
Water Supply and Kalpsar Department, Government of Gujarat
Gandhinagar, Gujarat
- Mr A K Mitra, FIE
Chairman, Technical Advisory Committee
Water Resources Department, Assam Secretariat
Dispur, Guwahati, Assam
- Mr Abhai Sinha, FIE
Director General, Central PWD
Nirman Bhawan, New Delhi

(7) Under provisions of Bye-Laws 12(a) and 12(b)

The Council shall co-opt appropriate corporate members as Council Members for the Session 2017-18.

(8) Under provisions of Bye-Law 13

By virtue of being co-opted in the Council for the Sessions 2016-2017 and 2017-2018, the following person shall become member of the Council for its Session 2017-2018:

Mr S J Desai vice Mr Sandeep B Vasava, Chairman, Gujarat State Centre

ITEM 4 To Appoint Auditors for the year 2017-2018 and to Fix their Remuneration

Mr L Venkatesan, FIE proposed that M/s Ray & Ray, Chartered Accountants be appointed as Auditors of The Institution of Engineers (India) for the year 2017-2018 on a remuneration of Rs.5,00,000 + Taxes as applicable. Mr Tarun Tapan Lahiri, FIE seconded the proposal.

It was Resolved that M/s Ray & Ray, Chartered Accountants, be appointed as Auditors of The Institution of Engineers (India) for the year 2017-2018 at a remuneration of Rs.5,00,000+ Taxes as applicable.

The meeting then concluded followed by the National Anthem at 1515 hrs.

The reports on the technical activities held under the auspices of various State/Local Centres of the Institution during the year 2017-2018 have been circulated through these pages from time to time. The abridged versions of the Institution's Balance Sheet as at 31st March, 2018 along with the Auditor's Report to the Corporate Members of IEI are given hereunder. The detailed text of the above and also the Annual Report of the Council are available on demand at all State/Local Centres/Fora of IEI including the Overseas Chapters and IEI Headquarters.

ABRIDGED BALANCE SHEET AS AT 31st MARCH 2018

31.03.2017			31.03.2018
		SOURCES OF FUND	
	94,10,31,878	Permanent Reserve	1,00,19,07,638
	33,79,07,554	Capital Reserve	34,99,25,681
	2,32,67,976	Revenue Reserve	2,32,67,976
		Surplus from Income and	
	1,02,72,30,305	Expenditure Account	1,17,90,56,107
	31,84,68,003	Earmarked Fund	36,20,33,474
2,64,79,05,716			2,91,61,90,876
		APPLICATION OF FUND	
		Fixed Assets	
	71,54,65,605	Gross Block	78,78,53,332
	20,02,69,879	Less : Depreciation	22,55,42,031
51,51,95,726		Net Block	56,23,11,301
	94,10,31,878	Investment of P R Fund	1,00,19,07,638
	93,91,93,967	Other Investments	91,09,61,085
1,88,02,25,845			1,91,28,68,723
	56,43,52,195	Current Assets, Loans and Advances	72,97,72,328
	31,18,68,050	Less : Current Liabilities	28,87,61,476
25,24,84,145		Net Current Assets/Liabilities	44,10,10,852
2,64,79,05,716			2,91,61,90,876

ABRIDGED INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2018

31.03.2017			31.03.2018		
R&D	Education	INCOME	R&D	Education	Total
5,16,17,520	1,29,04,380	Registration Fees	6,55,10,794	1,63,77,698	8,18,88,492
1,93,648	48,412	Subscription	1,23,872	30,968	1,54,840
	23,85,74,298	Examination Fees		26,18,87,733	26,18,87,733
3,72,023	7,16,526	Advertisement	47,11,195	14,93,472	62,04,667
12,91,24,606	3,77,39,816	Income from Investments	14,11,01,128	3,90,03,659	18,01,04,787
4,58,35,788	1,17,75,803	Study materials, Membership pack etc.	4,13,81,890	1,03,04,952	5,16,86,842
5,23,45,873	24,25,589	National Conventions/ Seminars, Technical Activities etc.	6,35,03,832	52,05,555	6,87,09,387
		Hall/Retiring Room Rent etc.	4,74,00,204		4,74,00,204
3,49,29,989	1,67,39,085	Other Income	61,82,659	1,32,47,109	1,94,29,768
67,74,454	32,09,23,909		36,99,15,574	34,75,51,146	
32,11,93,901	64,21,17,810	Sub-Total			71,74,66,720
	64,21,17,810	Total Income			71,74,66,720
		EXPENDITURE			
20,19,32,746	5,56,80,323	Salaries and Staff Expenses	18,63,51,683	4,42,48,989	23,06,00,672
49,40,872	21,05,267	Printing and Stationery	42,36,706	23,20,293	65,56,999
	4,85,27,843	Direct Expenses for Exam.		4,01,79,509	4,01,79,509
14,67,423		Technical Publications	19,46,475		19,46,475
5,87,17,779	17,24,377	Expenses on National Conventions, Seminars, Technical Activities etc.	6,60,30,794	24,34,894	6,84,65,688
		Prize Awarded & Lectures	84,84,807		84,84,807
1,08,96,100	40,71,029	Postage, Telephone & Telex	83,02,737	33,07,157	1,16,09,894
62,51,146	53,24,386	Electricity	65,78,363	77,68,913	1,43,47,276
32,53,419	26,00,847	Rent, Rates & Taxes	47,92,837	44,20,735	92,13,572
34,12,329	8,87,714	Legal Expenses	23,33,336	6,68,502	30,01,838
2,01,76,200		Election Expenses	15,97,293		15,97,293
11,41,315	9,77,441	Audit Fee	11,13,924	6,55,807	17,69,731
3,31,080	82,770	Internal Audit Fee	3,14,160	78,540	3,92,700
2,97,38,227	1,07,33,126	Repairs and Maintenance	2,36,72,856	1,81,15,754	4,17,88,610
1,05,28,225	1,84,002	Meeting Expenses	92,56,391	4,49,872	97,06,263
		Travelling Expenses			
1,14,86,544	28,71,636	i) Council Members	1,15,19,816	28,79,954	1,43,99,770
33,16,777	21,43,082	ii) Others	45,84,061	29,21,394	75,05,455
39,49,350	9,87,337	Delegation Expenses	39,41,938	9,85,484	49,27,422
14,98,882	3,74,720	Subscription to Other Institutions	2,68,682	67,170	3,35,852
		Computer Expenses	35,73,019	8,93,255	44,66,274
23,23,640	5,80,910	Miscellaneous Expenses	96,83,906	54,83,976	1,51,67,882
52,27,200	24,02,024	Expenses for Libraries	18,13,780	10,77,169	28,90,949
22,72,950	10,32,748	Grant to Peripheral Bodies	20,50,000		20,50,000
1,87,77,087		Depreciation	2,55,31,957		2,55,31,957
7,25,469		Fixed assets written off	3,885		3,885
8,61,994		Provision for doubtful debts and adva	8,77,917		8,77,917
53,121	8,844	Bad Debts written off	5,96,104	8,100	6,04,204
40,96,34,721	14,33,00,426	Sub-Total	38,94,57,427	13,89,65,467	52,84,22,894
		Prior Period Expenses and Appropriation to Capital			
	(5,04,86,199)	Expenditure Fund			3,72,18,024
	50,24,48,948	Total Expenditure			56,56,40,918
	64,21,17,810	Total Income			71,74,66,720
	50,24,48,948	Total Expenditure			56,56,40,918
	13,96,68,862	Surplus (+)/ Deficit (-)			15,18,25,802
	88,75,61,443	Balance brought forward from previous year			1,02,72,30,305
	1,02,72,30,305	Balance carried to Balance Sheet			1,17,90,56,107

INDEPENDENT AUDITOR'S REPORT TO THE MEMBERS OF THE INSTITUTION OF ENGINEERS (INDIA)

1. Report on the Financial Statements

We have audited the accompanying financial statements of The Institution of Engineers (India), ("the Institution"), which comprise of the Balance Sheet as at March 31st, 2018, signed by us under reference to this report and the related Income and Expenditure Account and the Cash Flow Statement for the year then ended and a summary of significant accounting policies and other explanatory information, in which have been incorporated the returns/accounts received from the various State Centres and Local Centres (also collectively referred to as Centres) of the Institution for the year ended 31st March, 2018 as audited by other auditors and in some cases also for earlier years, and which have been relied upon by us, as mentioned in Note 6.1 and 6.2 in Schedule 13 except as indicated in paragraph 4 below.

2. Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the Institution in accordance with the applicable Accounting Standards issued by the Institute of Chartered Accountants of India and generally accepted accounting practices. This responsibility also includes maintenance of adequate accounting records and safeguarding the assets of the Institution and for preventing and detecting frauds and other irregularities, selection and application of appropriate accounting policies, making judgements and estimates that are reasonable and prudent, and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

3. Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal financial control relevant to the Institution's preparation of the financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by the Management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained and the audit evidence obtained by the other centre auditors' in terms of their reports referred to in sub-paragraph (a) of the Other Matters paragraph below, is sufficient and appropriate to provide a basis for our qualified audit opinion on the financial statements.

4. Basis of Qualified Opinion

Our opinion is qualified in respect of the following matters and also in respect of observations of other auditors of the various centres upon whose report we have placed reliance:

- TDS not deducted on some contractual payments in case of Jharkhand State Centre, on labour charges to building contractor in case of Ludhiana Local Centre and in some cases for Bathinda Local Centre, the amount of which has not been reported by the Centre auditors. TDS return not filed in case of Bihar State Centre despite TDS being deducted and deposited timely. There is a delay in remittance of TDS in certain cases for Karnataka State Centre and Neyveli Local Centre.
- GST registration not taken in the case of Madhya Pradesh State Centre and Andaman Nicobar State Centre. In case of Assam State Centre and Telengana State Centre GST registration taken by State centres but names of Local Centres not included. In case of the Ghaziabad Local Centre and the Palghat Local Centre names of these centres have not been included as additional place of business under the respective State Centre registration.

- c) GST not collected/deposited regularly in the case of Alwar Local Centre, Dharwad Local Centre, Ghaziabad Local Centre, Jabalpur Local Centre and Bathinda Local Centre
- d) Note no 16 and note no. 30 of Schedule 12 regarding fund misappropriation at Kanpur Local Centre and Tiruchirapalli Local Centre respectively.
- e) Note 1.10 in Schedule 13 regarding accounting of certain income on cash basis, Note 1.11 in Schedule 13 regarding accounting of certain expense on cash basis, Note 1.13 in Schedule 13 regarding coverage of certain funds by investment.

5. Qualified Opinion

In our opinion and to the best of our information and according to the explanation given to us, except for the possible effects of the matters described in the Basis for Qualified Opinion paragraph whose effect is not quantifiable, the financial statements give the information in the manner so required and give a true and fair view in conformity with the Accounting Standards generally accepted in India;

- 5.1 In the case of the Balance Sheet, of the state of affairs of the Institution as at 31st March, 2018;
- 5.2 In the case of the Income and Expenditure Account, of the surplus for the year ended on that date; and
- 5.3 In the case of the Cash Flow statement, of the cash flows for the year ended on that date.

6. Other Matters

- a) We did not audit the financial statements of 121 centres that are included in the financial statements of the Institution, whose financial statements reflect total assets of Rs.105,06,83,615/- as at 31st March, 2018 and total revenues of Rs 16,22,02,279/- for the year ended on that date. The financial statements/information of these centres have been audited by the other auditors whose reports have been furnished to us, and our opinion in so far as it relates to the amounts and disclosures included in respect of these centres, is based solely on the report of such centre auditors. Attention is also drawn to the following matters;
- b) In case of Dhanbad, Kanpur and Vadodara Local Centres and those of Tamil Nadu and Bihar State Centres lease deeds have expired. Lease deed of Bhilai Centre expired on 18th February, 2003 and the Centre had applied for renewal of the same. Building of Dhanbad Centre has been seized by Zila Parishad.
- c) Note No 10 of Schedule 13 of the Notes to Accounts regarding final rejection by the CBDT of Income Tax exemption under section 35(1)(ii) of the Income Tax Act.
- d) Note 11 of Schedule 13 of the notes to accounts regarding review by All India Council for Technical Education (AICTE) of the Section A & B examination of the 15 recognized engineering courses conducted by the Institution and a bar on fresh enrolment with effect from 1st June, 2013 which has been stayed by the Honourable Delhi High Court.
- e) Report of other auditors of the various Centres who have reported, inter-alia, on certain matters as mentioned in Schedule 12.

Our opinion is not modified in respect of these matters.

7. Report on Other Legal and Regulatory Requirements

This report does not contain a statement on the matters specified by the Companies (Auditor's Report) Order 2016 ('the Order') issued by the Central Government of India in terms of sub section (11) of section 143 of the Companies Act 2013 as the said Order is not applicable to the Institution.

8. We further report that,

- 1. Except for the effects of the matters disclosed in the Basis of Qualified Opinion paragraph herein above, we have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of the audit;
- 2. Except for the effects of the matters disclosed in the Basis of Qualified Opinion paragraph herein above, in our opinion proper books of accounts as required by law have been kept by the Institution so far as appears from our examination of those books;
- 3. The Balance Sheet, the Statement of Income and Expenditure and the Cash Flow Statement dealt with in this Report are in agreement with the books of account and with the returns received from the Centres not visited by us.
- 4. Except for the effect of matters described in the Basis of Qualified Opinion paragraph herein above, in our opinion, the aforesaid financial statements

comply with the Accounting Standards issued by the Institute of Chartered Accountants of India.

- 5. The reports on the accounts of the Centres audited by the various centre auditors have been sent to us and have been properly dealt with by us in preparing this report.
- 6. We further report that according to the information and explanation given to us:
 - i. The Institution has disclosed the impact of pending litigations on its financial position in its financial statements – Refer Note 2 of Schedule 13 to the Financial Statements;
 - ii. The Institution did not have any long-term contracts including derivative contracts for which there may be any material foreseeable losses;

For and on behalf of
RAY & RAY
 Chartered Accountants
 Firm Registration No. 301072E
K. K. Ghosh
 Partner
 Membership No. 59781
 Place: Kolkata
 Date: 14th, September, 2018

ANNEXURE TO AUDITORS REPORT REFERRED TO IN PARAGRAPH 6 OF OUR REPORT TO THE MEMBERS OF THE INSTITUTION OF ENGINEERS (INDIA) ON THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31-03-2018 (BASED ON THE REPORT OF OTHER AUDITORS)

SCHEDULE-12

- 1. **AGRA LOCAL CENTRE:**
Rent agreement on plain paper .Lease deed not executed.
- 2. **ALWAR LOCAL CENTRE:**
GST not collected/deposited regularly.
- 3. **ASSAM STATE CENTRE:**
Fixed asset register is under updation.
GST registration taken by State centre but names of Local Centres is not included as an additional place of business.
- 4. **AURANGABAD LOCAL CENTRE:**
There is a contingent liability in respect of construction of building but the amount has not been ascertained.
- 5. **BHILAI LOCAL CENTRE:**
Lease deed expired on 18/02/2003. The lease was taken from SAIL Bhilai. Renewal pending.
No fixed asset register maintained.
- 6. **BIHAR STATE CENTRE:**
Application for renewal of lease deed filed with appropriate authority and is in process.
No TDS return filed though TDS deducted and deposited timely.
- 7. **BATHINDA LOCAL CENTRE:**
TDS not deducted in some cases.
Not GST compliant.
- 8. **COIMBATORE LOCAL CENTRE:**
Balance in savings bank account to be considered for transfer to fixed deposit since it has been lying for a long time.
- 9. **DHANBAD LOCAL CENTRE:**
Building of the Centre was sealed by the Dhanbad Zila Parishad based on the order of the Jharkhand High Court. The Centre is contesting the order for reopening of the office building.
A suit has been filed by the Dhanbad Zila Parishad against which liability has not been ascertained.
Lease deed expired.
Fixed deposit includes interest amount and not shown at cost.
- 10. **DHARWAD LOCAL CENTRE:**
GST not been collected on Rs. 2701/-.

11. GHAZIABAD LOCAL CENTRE:

Inclusion of name as additional place of business could not be verified under GST registration.

No GST charged/levied on any of the eligible receipts. However, Rs. 9180/- has been remitted to UP State Centre against output GST liability arising on account of some receipts.

12. JABALPUR LOCAL CENTRE:

Fixed asset register is very old and is in torn out condition and a new register is being prepared.

Old advances not yet adjusted or recovered and no provision made for the irrecoverable advances.

In the case instituted by Mr. Kailash Sen before presiding officer Labour Court the Institute has raised preliminary objections but an ex parte order was issued on 11.01.2016. Against this Institute has filed an application on 26.02.2016 for setting aside the order. The order was set aside and case adjourned for further proceedings. Case is under process and amount of liability not yet ascertained.

GST not deducted on receipts from sponsorship/advertisement aggregating Rs.481500/-. GST amount Rs. 70,826/- which is to be deposited.

No GST registration taken by State Centre.

13. JAMSHEDPUR LOCAL CENTRE:

Title deed not yet made since lease to TISCO not yet settled by State Government.

14. JHARKHAND STATE CENTRE:

TDS not deducted on some contractual payments.

15. JODHPUR LOCAL CENTRE:

In respect of Jodhpur Local Centre there was a contingent liability amounting to Rs. 843,284/- for land and building tax against which Rs. 72,650 /- had been deposited by the Institution.

16. KANPUR LOCAL CENTRE:

Rs. 245,000/- in Other Assets Recoverable represents and relates to embezzlement of Rs.3,21,527/- by way of fraudulent encashment of Fixed Deposit Receipts and withdrawal of cash from a savings bank Account during the years 2000-01 and 2001-02 for which litigation is pending. Out of this Rs.11,000/- recovered. Rs.65,527/- has been written off during the year 2010-11 vide management decision in their meeting dated 20/02/2011.

Lease deed expired on 26/10/2017 and under renewal process.

17. KARNATAKA STATE CENTRE:

Suits are filed against the centre for which the amount is not ascertainable.

Delay in remittance of TDS.

18. KERALA STATE CENTRE:

In case of fixed deposits an amount of Rs.25,273.44/- has been noted as difference between maturity amount and reinvested amount. This is included under Cash and Bank Balance as TDS on Fixed deposit. It is recommended that this amount(TDS) should either be refunded to the State Centre or written off.

A demand of Rs.3,22,38,652/- has been raised for lease rent against which a case was filed and subsequently a stay order was issued vide no WP(c)No 18931/2016(N) dated 29th August 2016.

19. KOCHI LOCAL CENTRE:

Rs. 50,770/- for souvenir advertisement charges lying in receivables for a long time.

20. LUDHIANA LOCAL CENTRE:

Mr. Hardeep Singh, peon cum chowkidar resigned w.e.f 19/11/2007 but there was a dispute regarding his resignation and arrears. The case is still pending in Court. Further an amount of Rs. 2,000/- is still recoverable from him out of Rs. 5,000/- given to him as advance.

Default in compliance of provisions of TDS. TDS not deducted on labour charges to building contractors and some payments to catering contractors.

Institute is maintaining a cash balance of Rs.11,945/- as on 31.03.2018 against prescribed limit of Rs.100/-.

Fixed asset register maintained but not as per specified format.

21. MANGALORE LOCAL CENTRE:

The property has been surrendered to the lessor. The new Mangalore Port Trust, the owner of the land has appropriated the value of the building towards

the arrears of land rent claimed by NMPT retrospectively from 01/10/1991 to 31/08/2011. The centre has handed over the lease land back to NMPT on 13/08/2010 as per the Charge list dated 13/08/2010 confirmed by the Estate Officer. The centre has moved the Court of law against the demand raised by NMPT by an order under sub section (1) and (2A) of Section 7 of the Public Premises (Eviction of Unauthorised Occupants) Act 1971 dated 06/04/2016 for arrears of rent amounting to Rs.18,94,056/-, was contended as erroneous by the IEI Mangalore Local Centre and a miscellaneous appeal no. 6/2016 was preferred in the court of IV Additional District and Sessions Judge Dakshina Kannada, Mangalore. The Honourable Court has disposed off the appeal favouring the IEI, Mangalore Local Centre by an order dated 12.02.2018 and the order of the Estate Officer mentioned above has been set aside. The court has opined that the IEI Mangalore Local Centre is at liberty to approach the competent court for the recovery of Rs.9,36,000/- from the New Mangalore Port Trust.

22. MYSORE LOCAL CENTRE:

A suit has been filed in High Court by an ex-employee, the quantum for which is not ascertainable.

23. NASHIK LOCAL CENTRE:

The centre has Rs.4,29,350/- balance as unadjusted advance with Nashik Municipal Corporation.

24. NEYVELI LOCAL CENTRE:

Delay in depositing TDS and filing return.

Non provision of carrying value of "Missing Draft" which is appearing in the accounts as receivable for over 3 years.

25. PALGHAT LOCAL CENTRE:

State centre has taken registration under GST but not added Palghat till date.

26. PUNE LOCAL CENTRE:

Fixed asset register in Tally to be updated to reconcile with general ledger.

27. ROORKEE LOCAL CENTRE:

Advance given to Professor P P Agarwal amounting to Rs.50,000/- on 14.01.2016 is still outstanding.

Savings bank account in PNB has become inoperative and balance of Rs. 124,909/- has been transferred to DEAF account of RBI. Efforts should be made to regularise the account.

28. TAMILNADU STATE CENTRE:

Lease deed has expired.

29. TELENGANA STATE CENTRE:

Names of local centres not included in GST registration and it was informed that local centres have not provided valid proof of address.

The State Centres Committee has decided to withdraw the interest on Fixed Deposits on quarterly basis leaving principal balance as deposit. This is against the practice previously adopted.

30. TIRUCHIRAPPALLI LOCAL CENTRE:

Rs. 8,99,183/- shown in the asset side of the Balance Sheet represents amount recoverable from Mr M Sreekannian.

31. TIRUNELVELI LOCAL CENTRE:

Annexure III not attached.

32. UTTAR PRADESH STATE CENTRE:

Following cases against the Institution pending since long are as follows:

- M/s D N Brothers for labour charges since 1976.
- M/S Ramjas Ramdayal for material supply since 1976
- Institution vs Mahapalika for review of assessment since 1992.

33. VADODARA LOCAL CENTRE:

Service tax applicable on renting of auditorium. But Trust not able to find its Trust Deed required for filing application with service tax authorities for obtaining service tax number. The service tax due on auditorium charges will be paid once service tax number is obtained.

Lease deed expired in FY 2013. Fresh application made for renewal of lease deed but confirmation still pending.

IEI DIARY



Aerospace Engineering Division

All India Seminar on “**Bluff Body Aerodynamics**”
Kolkata, January 18-19, 2019
The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: (033)22238914; Fax: (033) 22233140; e-mail: wbsc@ieiindia.org]

All India Seminar on “**Emerging Trends in Aircraft Structure Materials**”
Pune, February 16-17, 2019
The Honorary Secretary, IEI, Pune Local Centre, Abhiyanta Bhavan, 1332, J M Road, Shivajinagar, Pune 411005, Maharashtra [☎: 020-25533376 / 25520239 / 25530150; e-mail: punelc@ieiindia.org]

Thirty-third National Convention of Aerospace Engineers on “**Emerging Technologies in Aerospace Structures, Materials and Propulsion System**”
Pune, November 15-16, 2019
The Honorary Secretary, IEI, Pune Local Centre, Abhiyanta Bhavan, 1332, J M Road, Shivajinagar, Pune 411005, Maharashtra [☎: 020-25533376 / 25520239 / 25530150; e-mail: punelc@ieiindia.org]

Thirty-fourth National Convention of Aerospace Engineers on “**Advances in Aerospace Engineering**”
Kanpur, November 9-10, 2020
The Honorary Secretary, IEI, Kanpur Local Centre, Engineers Bhawan, HBTI East Campus, Nawabganj, Kanpur 208002 [Telefax: (0512) 2560034; e-mail: kanpurlc@ieiindia.org]

Agricultural Engineering Division

National Conference on “**Agricultural Engineering Interventions for Sustainable Organic Hill Farming**”
Gangtok, February 1-2, 2019
The Honorary Secretary, IEI, Sikkim State Centre, First Floor, North Academic Block, Central Agricultural University Campus,

College of Agricultural Engineering & Post Harvest Technology, Ranipool 737135 [e-mail: sikkimsc@ieiindia.org]

International Conference on “**Role of Agricultural Engineering towards Global Food Security**”
Bangalore, April 11-13, 2019
The Honorary Secretary, IEI, Karnataka State Centre, 3, Dr B R Ambedkar Veedhi, Bangalore 560001 [☎: (080) 22264698; Telefax: (080) 22256191; e-mail: karnatakasc@ieiindia.org; website: www.ieiksc.org]

Thirty-third National Convention of Agricultural Engineers on “**Commercial Crops Processing and Value Addition**”
Agartala, August 10-11, 2019
The Honorary Secretary, IEI, Tripura State Centre, Pandit Nehru Complex, Near Tripura Housing Board, P. O. Kunjaban, PB No 139, Agartala 799 006 [☎: 0381-2304700; Fax: 0381-2304700; e-mail: tripurasc@ieiindia.org]

Architectural Engineering Division

International Conference on “**Architectural Innovations: Engineering, Technology and Materials**”
Kolkata, November 27-29, 2019
The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: (033)22238914; Fax: (033) 22233140; e-mail: wbsc@ieiindia.org]

All India Seminar on “**Structural Aspects of Architectural Engineering**”
Jaipur, December 29-30, 2018
The Honorary Secretary, IEI, Rajasthan State Centre, Gandhi Nagar, Tonk Road, Jaipur 302015 [☎: 0141-2706327; Telefax: 0141-2700413; e-mail: rajasthansc@ieiindia.org]

Workshop on “**Real Estate Regulatory Authority (RERA)**”
Goa, January 18-20, 2019
The Honorary Secretary, IEI, Goa State Centre, D Type Quarters, D-8-1, Government Polytechnic Campus, Altinho, Panaji, Goa 403001 [☎:

0832-2434686; e-mail: goasc@ieiindia.org; website: www.ieigoasc.org]

Chemical Engineering Division

One Day Seminar on “**Applications of Nano Materials in Chemical Engineering**”
Kanchepuram, December 21, 2018
The Honorary Secretary, IEI, Kanchepuram Local Centre, Agni College of Technology – ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [e-mail: kanchempuramlc@ieiindia.org]

All India Seminar on “**Treatment of Sewage Water for Irrigation Purpose**”
Bhopal, January 05 – 06, 2019
The Honorary Secretary, IEI, Madhya Pradesh State Centre, M Visvesvaraya Marg, PO: Habibganj, Bhopal 462024 [☎: 0755-250577/ 2502987; e-mail: mpssc@ieiindia.org; website: www.mpsciei.org]

Thirty-fifth National Convention of Chemical Engineers on “**The Food-Energy-Water (FEW) Nexus- Challenges for Chemical Engineers**”
Guwahati, September 06-07, 2019
The Honorary Secretary, IEI, Assam State Centre, Panbazar Overbridge, East Lane, Guwahati 781001 [☎: 0361-2548742; Fax: (0361) 2630368; e-mail: assamsc@ieiindia.org; website: ieiasc.org]

Civil Engineering Division

One Day Seminar on “**Development of Rural Sector : Inclusive Approach through Advanced Technologies**”
Solapur, December 13, 2018
The Honorary Secretary, IEI, Solapur Local Centre, Vastu Vaibhav, 3, North Kasaba, 4th Floor, Near Laxmi Bank, Shivaji Chowk, Solapur 413 001 [☎: 0217-2727707; e-mail: solapurlc@ieiindia.org]

Electrical Engineering Division

One Day Seminar on “**Robotics Monitoring of Power Systems**”
Salem, January 01, 2019
The Honorary Secretary, IEI, Salem Local Centre, 3rd Floor, SPC Bhawan No. 104/7, Manivannan Street, Opp to Salem New Bus Stand, Salem 636004 [Ph. 0427 2332544; e-mail: salemic@ieiindia.org]



All India Workshop on “Application of Power Electronics in Electrical Systems”

Chandigarh, January 15-16, 2019

The Honorary Secretary, IEI, Punjab & Chandigarh State Centre, Sector 19A Madhya Marg, Chandigarh 160 019 [☎: 0172-2775418; Fax: 0172-2540133; e-mail: pcsc@ieindia.org]

Electronics & Telecom. Engg. Division

Thirty-fifth National Convention of Electronics & Telecommunication Engineers on “Mechatronics: Bridge between Technologies”

Pune, November 23-24, 2019

The Honorary Secretary, IEI, Pune Local Centre, Abhiyanta Bhavan, 1332, J M Road, Shivajinagar, Pune 411005, Maharashtra [☎: 020-25533376 / 25520239 / 25530150; e-mail: punelc@ieindia.org]

Environmental Engineering Division

Thirty-fifth National Convention of Environmental Engineers on “Green Technology for Clean & Green India”

Bangalore, August 17-18, 2019

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

All India Seminar on “Solid Waste Management: An Industrial Perspective”

Bokaro Steel City, September 21-22, 2019

The Honorary Secretary, IEI, Bokaro Steel City Local Centre, Abhiyanta Bhawan, Sector V-A, Bokaro Steel City 827006 [☎: 06542-267227/288972; e-mail: bokarolc@ieindia.org]

Mechanical Engineering Division

All India Seminar on “Gateway of FEA in Mechanical Design”

Madurai, January 04-05, 2019

The Honorary Secretary, IEI, Madurai Local Centre, Er T M Jambulingam Bhavan, No. 1, Vivekananda Nagar, 120 Feet Road, Surveyor Colony, K Pudur, Madurai 625007, [☎: 0452 4373067; e-mail: madurailc@ieindia.org]

One Day Workshop on “Basics of Surface Modelling Using CATIAV5”

Solapur, February 23, 2019

The Honorary Secretary, IEI, Solapur Local Centre, Vastu Vaibhav, 3 North Kasaba, 4th Floor, Near Laxmi Bank, Shivaji Chowk, Solapur 413001 [☎: 0217 2727707; e-mail: solapurlc@ieindia.org]

Thirty-fifth National Convention of Mechanical Engineers, on “Trends and Developments in Automotive Industry”

Hosur, September 13-14, 2019

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

Thirty-sixth National Convention of Mechanical Engineers, on “Innovations in Thermal Science and Engineering”

Agartala, September 05-06, 2020

The Honorary Secretary, IEI, Tripura State Centre, Pandit Nehru Complex, Near Tripura Housing Board, P. O. Kunjaban, PB No 139, Agartala 799 006 [☎: 0381-2304700; Fax: 0381-2304700; e-mail: tripurasc@ieindia.org]

Metallurgical & Mater. Engg. Division

Thirty-second National Convention of Metallurgical & Materials Engineers on “Advances in Engineering Materials for Sustainable Development”

Jamshedpur, January 18-19, 2019

The Honorary Secretary, IEI, Jamshedpur Local Centre, Subarnarekha Link Sakchi, Jamshedpur 831 001 [☎: 0657-2234316; Fax: 0657-2230159; e-mail: jamshedpurlc@ieindia.org]

International Conference of Metallurgical & Materials Engineers on “Synthesis, Characterization and Application of Nanomaterials (SCAN)”

Kolkata, November 01-03, 2019

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

Mining Engineering Division

Thirtieth National Convention of Mining Engineers on “Trends and Developments in Mining Industry for Encouraging Investment”

Hosur, December 07-08, 2018

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

Production Engineering Division

Thirty-fifth National Convention of Production Engineers on “Emerging Technologies in Power Sector Equipment Manufacturing”

Tiruchirappalli, May 25-26, 2019

The Honorary Secretary, IEI, Tiruchirappalli Local Centre, BHEL Main Office Road, Tiruchirappalli 620014 [☎: 0431-2554285; Fax: 0431-2520383/2520775; e-mail: tiruchirappallilc@ieindia.org]

Textile Engineering Division

Thirty-second National Convention of Textile Engineers on “Technology Innovations and Value Added Products in Textile Supply Chain”

Coimbatore, January 04-05, 2019

The Honorary Secretary, IEI, Coimbatore Local Centre, PSG College of Technology Campus, Peelamedu, Coimbatore 641004 [☎: 0422-2580733; e-mail: coimbatorelc@ieindia.org]

Interdisciplinary

One Day Seminar on “Role of Engineers in Development of Technologies for a better Quality of Human Life”

Ranchi, December 09, 2018

The Honorary Secretary, IEI, Jharkhand State Centre, Engineers Bhawan, Nepal Kothi Campus, Doranda, Ranchi 834002 [☎: 0651-2491334; e-mail: jharkhandsc@ieindia.org; website: www.ieijsc.org]

All India Seminar on “Problem of Mechanization in Sand Mining and Methodologies to be adopted for Environmentally Sustainable Mining of Sand from Rivers”

Ranchi, January 12-13, 2019

The Honorary Secretary, IEI, Jharkhand State Centre, Engineers Bhawan, Nepal Kothi Campus, Doranda, Ranchi 834002 [☎: 0651-2491334; e-mail: jharkhandsc@ieindia.org; website: www.ieijsc.org]

One Day Seminars/Workshops Conducted by Various Centres of IEI

STATE CENTRES

Delhi



Delhi State Centre of The Institution of Engineers (India) in association with Bureau of Indian Standards (BIS) organized Workshop on 'Fire and Life Safety Provisions in NBC 2016' under the aegis of Civil Engineering Division of

IEI on July 7, 2018 at New Delhi. Mr Rakesh Agrawal, Engineer-in-Chief, Public Works Department, Govt. of NCT of Delhi graced the occasion as Chief Guest and Mr H S Dogra, former Director General (Works), CPWD & Chairman, Civil Engineering Division Council, BIS graced the occasion as Guest-of-Honour. Other Dignitaries present on the occasion included, Mr Sanjay Pant, Director & Head (Civil Engineering), BIS, Dr G C Misra, Director, Delhi Fire Services, Govt. of NCT of Delhi, Mr D K Shami, Fire Advisor, Ministry of Home Affairs, Govt. of India and Mr S K Dheri, former CFO, Delhi Fire Services & Convener, BIS Panel on Fire of NBC.

Gujarat

Gujarat State Centre of the Institution organized a One day Workshop on the theme 'Internet of Things (IoT)' under the aegis of Electronics & Telecommunication Engineering Division of IEI on September 1, 2018 at Ahmedabad. Mr N B Vasoya, Immediate Past President of IEI graced the function as Chief Guest during inaugural session. Dr Kushwah, Senior Scientist, Space Application Centre and Prof J V Dave, former Principal, Govt. Engineering College, Gandhinagar were present as Guests-of-Honour.



Jharkhand



Jharkhand State Centre of the Institution organized a One day Workshop on 'Expanding the Role of Women in STEM (Science, Technology, Engineering & Medicine) Field' under the aegis of Interdisciplinary

Coordination Committee (ICC) of IEI on September 14, 2018 at Ranchi. Ms Kamakshi Raman, Executive Director (HRD), SAIL – MTI graced the occasion as Chief Guest. Ms Amita Banerjee, Joint General Manager (SAIL – Project Consultancy), MECON and Dr Vandana Bhattacharjee, Head, Department of Computer Science, BIT Mesra graced the function as Guests-of-Honour.

Tripura

Tripura State Centre of the Institution organized in association with Disaster Risk Management (DRM) Committee of World Federation of Engineering Organisation (WFEO), Tripura Disaster Management Authority and National



Institute of Technology Agartala organized One Day Seminar on 'Disaster: It's Preparedness, Mitigation and Capacity Building' under the aegis of Civil Engineering Division of IEI on August 3, 2018 at Agartala. Mr Narendra Chandra

Debbarma, Hon'ble Minister for Revenue and Fisheries Departments, Tripura graced the occasion as Chief Guest. Mr Ashok Kumar Basa, Chairman, DRM Committee, WFEO and Past President, IEI graced the Seminar as Special Guest.

LOCAL CENTRES

Ahmednagar

Ahmednagar Local Centre of the Institution in association with Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar organised One day Workshop on 'Ferrocement Technology' under the aegis of Civil Engineering Division of IEI on September 25, 2018 at Ahmednagar. Mr Chandramohan Hangekar, President, Ferrocement Society of India and former Chief Engineer, Water Resources Department, Government of Maharashtra graced the occasion as Chief Guest and addressed the inaugural session. Dr R S Deshpande, Principal, Shri Chhatrapati Shivaji Maharaj College of Engineering and Convener of the event delivered welcome address.



Bhimavaram



Bhimavaram Local Centre of the Institution in association with Department of Mechanical Engineering of Sir C R Reddy College of Engineering (CRRCOE), Eluru organized One day Workshop on 'Evolution of the Automotive Interiors'

under the aegis of Mechanical Engineering Division of IEI on October 23, 2018 at Bhimavaram. Mr N V K Durga Rao, Secretary, Sir CRR Educational Institutions graced the occasion as Chief Guest. Other dignitaries present on the occasion included, Prof K Venkateswara Rao, Head, Department of Mechanical Engineering, CRRCOE and Prof G Samba Siva Rao, Principal, CRRCOE.

Madurai

Madurai Local Centre of the Institution organized One day Workshop on 'Revisions of National Building Code -2016' on



August 25, 2018 at Madurai. Prof V Muthu, Former Professor, Thiagarajar College of Engineering, Madurai, graced the occasion as Chief Guest. Ms G Bhavani, Scientist D & Hallmarking Officer, Bureau of Indian Standards (BIS) inaugurated the Workshop. Mr P Rajamani, Vice President of IEI also attended the function with his august presence.

Salem

Salem Local Centre of the Institution in association with the Department of Mechanical Engineering, Narasus Sarathy Institute of Technology, Salem, Tamilnadu organized One Day Seminar on 'Nano Technology for Industrial Applications' under the aegis of Production Engineering Division of IEI on August 2, 2018 at Salem. Dr V Munusami, Principal, Narasu's Sarathy Institute of Technology, Salem delivered the Presidential Address.



Visakhapatnam



Visakhapatnam Local Centre of the Institution in association with RINL, Vizag Steel Plant, Visakhapatnam, organized One day Workshop on 'Cost Control' under the aegis of Interdisciplinary Coordination Committee (ICC) of IEI on August 29, 2018 at Visakhapatnam.

Visakhapatnam Local Centre of the Institution in association with RINL, Vizag Steel Plant, Visakhapatnam, organized One day Workshop on 'Conveyor Belt Maintenance and Safety Aspects' under the aegis of Mechanical Engineering Division of IEI on September 24, 2018 at Visakhapatnam.



Mr C Tirkey, Assistant General Manager (Training), RINL, Vizag Steel Plant graced the occasion as Chief Guest and addressed the gathering.

Visakhapatnam Local Centre of the Institution in association with RINL, Vizag Steel Plant, Visakhapatnam, organized One day Workshop on 'Basics of Mechanical Maintenance & Safety Aspects' under the aegis of Mechanical Engineering Division of IEI on October 22, 2018 at Visakhapatnam.



Mr CVSP Varma, Assistant General Manager (Training), RINL-Vizag Steel Plant graced the occasion as Chief Guest and addressed the gathering.

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Notification for

R&D Grant-in-Aid (2018-19)

To promote appropriate technology, assist in building up design & research talents and, most importantly, to help in nurturing potential R&D venture amongst engineering students pursuing Diploma/UG/PG/Ph. D courses, The Institution of Engineers (India) had instituted the R&D Grant-in-Aid program way back in 2001.

Like every year, the Institution invites applications for the session 2017-2018 for funding industry-oriented R&D projects and research initiatives aimed at improving the life-style of common people from engineering students pursuing Diploma/UG/PG/Ph. D courses. The application form and guidelines are available in our website <https://www.ieindia.org>. The projects should be carried out under the guidance of faculty members who are Corporate Members (AMIE/MIE/FIE) of IEI. Membership criteria for students are as follows:

Project Category	Student/Applicant Membership
1. Diploma	Not mandatory. Membership of Student Chapter is desirable
2. UG (BE/B. Tech/AMIE/Equivalent)	Preferably 'Student Member' (SMIE)
3. PG (ME/M. Tech/Equivalent)	Should be 'Corporate Member'
4. Ph. D	Should be 'Corporate Member'

The soft copy of the duly filled-up applications (in editable format), as per the given proforma, should be sent through email to research@ieindia.org and one printed copy of the same, duly sealed and signed should reach the following address:

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

Applications received in format other than that available on our website will not be accepted. Application should be forwarded through the Guide, Head of the Department or Head of the Institution. Please note that preference will be given to project proposals received from Institutions who are members of The Institution of Engineers (India). Kindly go through the guidelines (visit link <https://www.ieindia.org/webui/IEI-Activities.aspx#RnD-Initiative>) carefully before filling up the application.

The grant is not intended for the faculty members who have access to other avenues of research funding. Proposals received will be scrutinized and the recipients of R&D Grant will be informed accordingly.

Superannuation from IEI



Mr Somnath Chaudhury, an employee of the Institution HQ will be superannuated from the services of IEI on November 30, 2018. He joined the Institution on July 21, 1992 and rendered his services to the Institution for a period of over 26 years.

IEI wishes Mr Somnath Chaudhury and his family a happy and healthy life in future.



33rd INDIAN ENGINEERING CONGRESS

Udaipur, December 21-23, 2018

Theme:

Integration of Technologies: Emerging Engineering Paradigm

Organized by:

The Institution of Engineers (India)

Hosted by: **Udaipur Local Centre**

Contact : Organising Secretary, 33rd Indian Engineering Congress, The Institution of Engineers (India), Udaipur Local Centre

128 Hiran Magri, Sector 11, Near Seva Charitable Hospital, Udaipur 313002

E-mail: udaipurlc@ieindia.org

President's Visit to Tiruchirappalli Local Centre



Mr Sisir Kumar Banerjee, President, IEI visited Tiruchirappalli Local Centre for unveiling of Foundation Stone for Library of the Centre on August 30, 2018 in presence of Mr P Rajamani, Vice President, IEI, Mr R Raja Manohar, Executive Director, BHEL Trichy, Mr R Selvaraj, Chairman and Mr S Lakshmanan, Honorary Secretary.

I.E.I NEWS

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