IETE

NEWS LETTER

The Institution of Electronics and Telecommunication Engineers

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From President's Desk

Dear Members,

It gives me great pleasure to present the next issue of IETE Newsletter.

First, I would like to congratulate all IETE Centres for successfully conducting Executive Committee elections for the term 2018-2020. Thanks to the Returning Officers, Observers, Board of Scrutineers and the outgoing Executive members who facilitated in the successful conduct of the elections. I commend everyone who participated actively in the election process. I am confident that new teams will play significant role in improving the status of their respective IETE Centres.

I also extend my warm greetings to the newly elected Governing Council Members and wish to receive their selfless service for the members of our Society. I invite their suggestions for making the institution more relevant and responsive.

During the last quarter, IETE celebrated 50th World Telecommunication and Information Society Day on the theme, "Enabling the positive use of Artificial Intelligence for all" at all its Centres / Sub-Centres. The programmes saw active participation and were very well received. A detailed report is carried inside.

During this period, IETE also organized 31st GISFI Standardization Series meeting in June 2018 jointly with IEEE 5G Summit with H.E. Peter Taksøe-Jensen, Ambassador of the Danish Embassy to India, New Delhi, as the Chief Guest; an International Conference by IETE Mumbai Centre on "Recent Trends in Sustainable Technologies on 14-15 July 2018 with the Chief Guest Prof Subhasis Chaudhuri, Dean of International Relations, IIT, Bombay. IETE Bangalore Centre conducted the Summer School in Electronics & Computers for school students during April-May 2018 giving them insight into the theory concepts and practicals in electronics. Dr Kailasavadivoo Sivan, Chairman ISRO, graced its valedictory session as the Chief Guest. Another important event organized was the 3rd International Conference on Microelectronics Computing & Communication System-2018 by IETE Ranchi Centre with Prof R K Pandey, Vice-Chancellor of Ranchi University as the Chief Guest. These programmes were addressed by domain experts, industry people, Govt officials and eminent thought leaders and gave gainful insights.

Next, IETE hosted its 3rd National Innovator & Industry Meet on 1st Sept, 2018 to bring together the CEOs, CMOs, senior professionals and decision makers from businesses for a dialogue and interaction with eminent industry leaders and domain experts. IETE will also be hosting its flagship event – 61st Annual IETE Convention this year at PRMITR, Badnera, Amravati on the theme "Smart Engineering for Sustainable Development" during 29th-30th Sept 2018. On the occasion 41st Ram Lal Wadhwa Award Lecture will be delivered by Dr K P Ray, DIAT, Pune and 50th Bhabha Memorial Lecture by Dr M S Ali, Past Chairman IETE Amravati Centre and Principal, PRMCEAM, Amravati. I am sure that AIC would be of high order and attract delegates in large numbers.

I am happy to particularly mention that IETE's Scientific and Industrial Research (SIRO) registration status has been renewed till 31 March 2021 by Dept of Scientific and Industrial Research, Ministry of Science and Technology, Govt of India. I take this opportunity to commend the genuine efforts & contributions of Shri Atul Garg, Chairman, IETE Australia Professional Activity Centre that has been par excellence, particularly in conducting number of technical events in such a short span with his team members. He has been a critical player in making key decisions that have helped the PAC to excel. You will find recent activities report inside.

Furthermore, I would like to congratulate all the proud recipients of IETE Awards who have made significant contributions in their fields and have won IETE Awards in various categories. I hope IETE awards will serve as a token of our appreciation and gratitude to your continued dedication. I wish the Student Awardees a bright future ahead!

Finally, regarding recent developments on the recognition of various IETE courses by AICTE, I would like to inform that we had a meeting with them on 14th Aug 2018 wherein it was apprised that the draft guidelines had been sent to MHRD for approval and subsequently MHRD had sought some clarification, which is being awaited. We all look forward to its positive reappraisal.

Best Wishes!

Prof (Dr) KTV Reddy

IETE HQs, New Delhi

IETE Honorary Fellow (2018)

Honorary Fellowship is the highest honour that the Institution can bestow and this year one joins a list of 59th eminent individuals. IETE is pleased to confer IETE Honorary Fellowship on Dr K Sivan, Chairman ISRO for his major contribution to Indian Space Technology, particularly towards end to end mission planning, mission design, mission integration and analysis of ISRO launch vehicles. IETE Awards will be conferred at 61st Annual IETE Convention during Awards ceremony in Amravati, Maharashtra on 29th Sept 2018. *Congratulations to our newly selected Honorary Fellow!*

Dr Kailasavadivoo Sivan is the Secretary, Department of Space and the Chairman of the Indian Space Research Organization (ISRO) since January 15, 2018. He is the former Director of Vikram Sarabhai Space Center and Liquid Propulsion centre. Dr Sivan was born on April 14, 1957 in Sarakkalvilai, Nagercoil in Kanyakumari district, Tamil Nadu and hails from a humble family background**.**

After obtaining Mathematics Honours degree from Hindu College, Nagercoil, Dr K Sivan graduated from Madras Institute of Technology in Aeronautical Engineering in 1980. Later, he received his ME degree in Aerospace Engineering from IISc, Bangalore (1982) and then completed PhD in Aerospace Engineering from IIT, Bombay in 2006.

He joined ISRO in 1982 in PSLV Project. Since then he has contributed significantly towards PSLV, GSLV and GSLV Mk-III Vehicle Design. He has more than 30 years' experience in the systems engineering of space transportation system, lead diverse project teams for large and complex projects and wide-ranging experience in technology development and infrastructure set-up for ISRO's launch vehicle programs.

Dr Sivan revived GSLV Program after two consecutive failures. Now the GSLV program is on track with consecutive successful launches using indigenous cryogenic stage. As Project Director of Re-usable Launch Vehicle Program, he contributed significantly in all aspects of vehicle and mission design including successful flight demonstration. The SCRAMJET engine flight test under hypersonic conditions was successfully flight tested under his leadership. He led the mission team in the planning of historic launch of 104 satellites in PSLV C37.

He is the chief architect of 6D mission simulation software SITARA and also Day of Launch Wind biasing strategy. This enables launch in any wind condition. He has established many strategic facilities for supporting the launch vehicle development program, some of these are Mission Synthesis and Simulation Facility, Parallel Computing Facility and Hypersonic Wind Tunnel Facility. He has contributed significantly in improving the mission versatility of PSLV as well as improving the robustness of GSLV Mk-III.

Based on more than 30 years of experience in Launch Vehicle systems, he has authored a book "Integrated Design for Space Transportation System" published by Springer, which highlights the end to end integrated design aspects and interactions between various systems of launch vehicle systems

Dr K Sivan is a Fellow of Indian National Academy of Engineering (INAE), Aeronautical Society of India (AeSI), Systems Society of India (SSI) and Indian Systems Society for Science and Engineering (ISSE).

He has received numerous awards in recognition of his contributions. Some of the major awards are ISRO Award for Outstanding Achievement for the year 2016, Shri Hari Om Ashram Prerit Dr Vikram Sarabhai Research Award for the year 1999, ISRO Merit Award for the year 2007, Dr Biren Roy Space Science Award for the year 2011, The Distinguished Alumnus Award 2013 from MIT Alumni Association, Chennai and The Distinguished Alumnus Award 2017 from IIT-B, Mumbai. Besides this he has been conferred with Honaris Causa from many prestigious universities.

Newly Elected IETE Distinguished Fellows – 2018

IETE is pleased to announce that *Prof K Laxminarayana* and *Dr M H Kori* have been elected as Distinguished Fellows of the Institution of Electronics and Telecommunication Engineers this year for their large contribution to aid in furthering the aims & objectives of the Institution. They will be honoured during the inaugural session of 61st Annual IETE Convention, scheduled to be held at Amravati on 29th Sept 2018. *Congratulations to our newly elected Distinguished Fellows!*

Prof K Laxminarayana (DF-062796) is BE (Telecom) from Osmania University, Hyderabad and ME (ECE) from IISc, Bangalore. After having worked for DRDO for 37 years, he retired as Project Director in 2002 with R&D experience in Communications and Electronic Warfare Systems. He later worked as Professor and HOD, ECE Department, in JNTU (H) affiliated engineering college, Hyderabad, during 2003 to 2015. Presently, Prof Laxminarayana is volunteering for an NGO and is involved in mentoring young entrepreneurs to help them establish and run medium and micro enterprises. He has published number of papers and authored a Textbook on *Elecronic Devices and Circuits.*

Prof Laxminarayana had been associated with IETE for last three decades and has served IETE Hyderabad Centre in various capacities from the Executive Member to the Chairman. He also served as the IETE's Governing Council Member for three terms between 2005-2016, and as its Vice President for one year in between. The IETE Hyderabad Centre bagged Best Centre Awards during his tenure as Hony Secy and Chairman. As IETE Governing Council Member, he chaired almost all important Committees and contributed significantly towards Institution's decision making. He was instrumental in the establishment of Sub-Centres at Tirupathi, Warangal, Raipur, Salem & Sivakasi and acquisition of Centre buildings at Imphal, Warangal, Bhopal, Mumbai & Amravati. He meticulously revised Rules & Regulations and Standard Operating Procedures (SOP) for IETE Centres. He chaired the Committee that was responsible for introducing Electronic Voting system in IETE.

As a Member of IEEE Forum for Science and Engineering Exhibits, Prof Laxminarayana was responsible for development of IEEE sponsored Exhibits and installation at BM Birla Science Centre at Hyderabad. He has also been involved in the development of original working experiments done by Sir JC Bose and Sir CV Raman. On invitation from IEEE, he delivered lectures on Cost-effective Engineering & Science Exhibits at Pretoria University, South Africa and at Kenyatta University, Nairobi, Kenya.

Dr M H Kori (DF-116028) is one of the leading Wireless & Mobile Telecommunication experts. He has more than 40 years experience in Telecom, RF, Microelectronics & IT. His research, industrial and academic experiences include work at Alcatel-Lucent Technologies as Technical Director & also as Head of Hyderabad R&D Unit; Head of Wireless Division at C-DOT; Technical Vice President of Geosoft Technologies; Head of Telecom at DSQ Software; IIT Bombay; University of Duisburg, Germany; Technical Advisor to Validus Technologies USA.

Dr Kori's professional contributions include extensive research work in Wireless & Mobile Communications. He was the Head of architecture team in Lucent Technologies working on many technologies leading to 5G; Digital Microwave development at C-DOT; Visiting Fellow at University of Duisburg Germany, designed MMIC Chips fabricated at Daimler Benz MMIC Foundry Ulm, Germany; Member of several advisory & standards committees - Study Group NWG 9 of ITU-R; guided students for MS/PhD at IISc/BITS & other Institutes; Member of Advisory Committee / Academic Council for many Institutes / Universities.

Dr Kori has published and presented many papers in journals & conferences, delivered invited talks, conducted workshops at national & international conferences, and has been the Chair, Co-Chair of several conferences. He is the Organizing Chair of the International Radar Symposium and International Symposium on Microwaves. He is the co-author of a book '*Networks Everywhere'*, CSIR Publications and contributing editor of the book '*Milestones in Science and Technology'*, Navakarnataka Publications. He is also the co-editor of '*Proceedings of International Conference on Emerging Microelectronics & Interconnection Technologies -* EMIT '96 & EMIT '98. Dr Kori is the Chairman of International Microelectronics & Packaging Society (IMAPS) India.

Dr Kori has served IETE in various capacities including as Governing Council Member (2012-15), Chairman of IETE Bangalore Centre (1998-2000), Former Vice Chairman of IEEE MTT & ED Society, Former EC Member IET. He is the recipient of RVCE World Telecom Day Award & IETE Batra Memorial Award. Dr Kori holds PhD from IIT Bombay and his areas of interest include Wireless Communications, 5G & IoT; Microwaves & MMIC; Microelectronics.

IETE Life Time Achievement Awardees - 2018

Congratulations to **Padma Shree (Dr) T H Chowdary** & to the **Former Engineer-in-Chief of Doordarshan, Shri R K Gupta** on being selected as IETE's Life Time Achievement Awardees this year. This recognition is conferred on their multifarious accomplishments, which extends beyond professional community. IETE takes pride in conferring the Institution's Life Time Achievement Award on them.

Dr Tripuraneni Hanuman Chowdary (DF-022876) was born on Oct 18, 1931 in a farmer's family of Angaluru, Krishna District of Andhra Pradesh. He had secondary education in Telugu medium; Intermediate in Loyola College; graduated in 1952 in Telecommunications from the College of Engineering, Guindy, both in Chennai. Dr Chowdary imbibed the ethical values from the messages of his school and colleges that he studied in and the Govt dept. in which he worked, *viz.*, *Vidyayaa Vindate Amritam* (Knowledge gives immortality); *Luceat Lux Vestra* (Let thine light shine forth); *Labour Omnia Vincit* (Hard work conquers all); *Bahujana Hitaaya, Bahujana Sukhaaya* (For the good of many, and for the comfort of all) and *Aharnisam Sevamahe* (We serve day and night) and made them guiding principles of work in his career.

As Chief of Telecoms in several cities and States, Dr Chowdary introduced many new practices which later became all-India applicable such as: no service, no rent; public telephones (PTs) in grocer shops; PTs operated by physically disabled persons with commission paid to them; telephone adalats to resolve user complaints, direct dialling between groups of rural exchanges, direct dialling of long distance calls by subscribers served by manual telephone exchanges, getting bhoo-dan for telephone exchange buildings in rural areas; operationalising own-your-telephone (OYT) exchange scheme; subscriber and employee education through journals and booklets involving public especially peoples representatives and workers in all expansion and service improvement measures; promotion of employees co-operative house-building societies in towns and cities.

At Videsh Sanchar Nigam within six months of his taking over, he extended international subscriber dialling from seven to all countries in the world including USSR and China; from increased revenues, he secured Governorship for India and himself in the International Telecom Satellite Corporations, INTELSAT, Washington and INMARSAT, London. Dr Chowdary, publicly and daringly advocated de-monopolisation and private sector participation in telecom services and manufacture of equipment to bring new technologies, private capital, new services and falling prices. He got telecoms and IT into public debate and the election manifestos of political parties for public.

As IT Advisor to Government of Andhra Pradesh (1997-2004), as Member of the Prime Minister's National Task Force on Software and IT (1998-'99), Dr Chowdary played a major role in shaping the national telecom (1994 &1999) and IT, Internet and Software Policies for e-governance and e-commerce and computer education in schools. For sustained and extensive advocacy of reforms in telecom sector, he founded the Center for Telecom Management & Studies (CTMS) while in government service itself; edited and published a monthly journal for 25 years, wrote articles (over 2000); delivered talks and presentations (over 1200) to stakeholders in several cities and countries. Dr Chowdary's expertise was recognized by the (ITU) and other international bodies in Canada, USA, Denmark, European Union, China and South Africa, which engaged him in conferences and advisory and planning missions.

He is on the Boards of several IT services companies and is Chairman of the Governing Councils of several colleges. For his services to engineering education, he was conferred the Doctorate (Honoris Causa) by the Jawaharlal Nehru Technological University, Hyderabad and for his services in telecom & IT awarded Padma Shree by Bharat's Rashtrapati in 2017.

As President IETE (1989-90) and Chairman of the IETE Hyderabad Centre in its formative years, Dr Chowdary's guidance and patronage continue to be valuable.

Shri R K Gupta, (DF-048346): A visionary par excellence, a great innovator and a perceptive thinker, Shri R K Gupta is an iconic luminary in the field of broadcasting.

An officer of Indian Broadcasting Engineers Service, IBES, Shri R K Gupta is former Engineer-in-Chief of Doordarshan who has held key positions in AIR & Doordarshan for more than three decades. He has to his credit the launch of Free to Air DTH of Doordarshan 'DD Free Dish'. He modernized the network of Doordarshan and introduced digitalization in a big way. As Director, he has achieved great success in implementing FM Plan of All India Radio. Shri R K Gupta has been honoured with prestigious "Life Time Achievement Award 2012" from Broadcast Engineering Society. In recognition of his outstanding contribution to the development of Digital TV and DTH in Asia – Pacific region, he has been conferred with "ABU Engineering Excellence Award – 2004". He was also honoured with "Eminent Engineer Award – 2002" by Institution of Engineers and "Bharat Excellence Award-2011" by Friendship Forum of India apart from many other distinctions.

Shri R K Gupta proudly represented India in a number of International seminars and conferences at USA, Japan, UK, Switzerland, Netherland, Turkey, Singapore, Malaysia, Bhutan and Oman. He was instrumental in taking vital policy decisions pertaining to Spectrum

Management, Digital Compression, HDTV and Digital Radio at the World Radio Communication Conference WRC-2003 at Geneva and 40th General Assembly of ABU at Istanbul.

A multifaceted charismatic personality, Shri R K Gupta has demonstrated outstanding qualities of inspirational leadership. He was the Chairman of National Working Group – 6 of ITU-R and was the Vice-Chairman of Technical Committee of Asia-Pacific Broadcasting Union, ABU. He was also Chairman of Panel of Judges for ABU Engineering Excellence Award for the year 2003; President of Broadcast Engineering Society, 2000-02. He is also Fellow and Chartered Engineer of Institution of Engineers (India). A sports loving person, he has been the President of Doordarshan Cricket Club (DDCC) for the year 2002-04.

Shri Gupta has been working relentlessly for the promotion of ICTs in the country with the objective of "Reaching the unreached". He has been closely associated with the implementation of EDUSAT Project of Indira Gandhi National Open University, IGNOU which employs DVB-RCS technology to provide Interactive Education in Virtual Classroom mode. Shri R K Gupta has the privilege of being member of many Govt organizations. He has been Member, Governing Council, AICTE; Member, Board of Management, Indira Gandhi National Open University, IGNOU; Member, General Council, IAMR, Planning Commission; Member, Governing Council, NIELIT; Member, Multimedia Committee, Bureau of Indian Standards, BIS and Adviser, UPSC.

Shri Gupta has been associated with the Institution of Electronics & Telecommunication Engineers (IETE) for a long time. He chaired many IETE Committees and finally rose to its apex position as President for the term 2010-12. Shri R K Gupta is highly revered for his unstinted commitment, resolute determination, unassuming nature and deep compassion. He is Distinguished Fellow of the IETE.

News from Head Quarters

Report on 50th World Telecommunication and Information Society Day celebration, IETE HQ

The 50th World Telecommunication and Information Society Day was observed at IETE HQ on 17th May 2018 on the theme, **"Enabling the Positive Use of Artificial Intelligence for All"** on 17th May 2018. **Dr R S Sharma**, Chairman TRAI, graced the event as the Chief Guest and inaugurated the function. President IETE, **Prof (Dr) KTV Reddy**, extending a warm welcome outlined the new projects being undertaken by the institution like launch of 'IETE Horizon- Digital Library', and informed about the partnership association of M/s Springer with IETE for publication of joint symposia proceedings. **Prof M N Hoda**, Chairman, Technical Programs and Publicity Committee (TPPC) welcomed the Chief Guest and dignitaries on the dais: **Shri SN Gupta**, Secretary General, NGN Forum India; **Dr Ayesha Choudhary**, JNU, New Delhi; **Dr Mausam**, IIT Delhi; and Guest of Honour, **Shri Shyam P Mardikar**, CTO, Mobile Networks, Bharti Airtel (India). He sketched out the historical background of establishment of International Telecommunication Union at Paris when 20 European countries signed the landmark charter on 17th May 1865, paving the way for synergistic global cooperation in the vital field.

Keynote speaker, **Shri SN Gupta** in his unique way explained how Artificial Intelligence (AI), a transformative technology absolves humans of unwanted responsibilities, facilitating blossoming of creativity to realize their full potential. He said that AI would usher Industry 4.0 -- opening up new opportunities, impelling each one of us to re-skill for better quality of life. AI will also assist in meeting the government's objective of doubling farmers' income, besides assistance in interesting applications like enabling a doctor to predict accurately the likelihood of an occurrence of a heart attack etc and the investors to predict market ups and downs.

He further added that robots utilizing AI will outnumber humans by the year 2030 to create interesting man-machine interactions. In conclusion he said that AI will accelerate attainment of United Nations Sustainable Development Goals.

Dr Ayesha Choudhary explained the usage of AI in development of 'Advance Driver Assistance System'. She said that her research work focuses on issues like 'Vulnerable Road User Detection, Intelligent Parking Management, Smart surveillance system, Crowd behavior analysis, Hand gesture recognition, Automated old persons' fall detection, Driver's emotion detection for safe driving, etc. She demonstrated via video, the development of smart glasses for visually impaired persons.

The Chief Guest, **Dr R S Sharma**, who had to leave early asserted that via adopting emerging technologies such as AI, India leapfrogged decades of tortuous development cycle. As part of re-skilling steps, most university syllabi are being updated to include subjects like AI, Machine learning, Big Data and so on. Country's unique Aadhaar identification system implemented in mammoth scale has become a model for others. Country's vibrant democracy today is the envy of many. Young and old alike have adopted and benefitted via digital transactions. India today is on the forefront of building robust technology platforms that are empowering every Indian – a necessary condition for inclusive growth. Indians are perhaps creating maximum data and is a data-rich country and data is being monetized in big way! All in all, he believed that we need new technologies for betterment of human lives.

Shri Shyam P Mardikar delved upon the nature of future network, asserting that today's life has become dominantly dependent on connectivity, and how one feels uneasy if denied

access to smart phones. He mentioned that India being a highly price sensitive market, offers a market quite different from that of advance countries. Technologies like AI have opened doors to realizing brain potential of fresh graduates to establish innovative start-ups coming up solutions for society's intractable problems. The widespread omniscient connectivity has thrown up its unique set of issues concerning privacy and security.

Dr Mausam, IIT New Delhi expounded on the concept of Deep Learning. He said that by 2020, every new software product and service will be driven and enriched by AI. Last year, Google's DeepMind's program AlphaGo defeated Go champion Lee Sedol, triggering a deep seated fear about the capabilities of AI-driven bots. He explained that Machine learning, a subset of AI, is broadly about teaching a computer to spot patterns and use mountains of data to make connections. Deep learning, an advanced machine learning technique, uses layered neural networks loosely modeled on the human brain. Cautioning that China is world leader in AI who invested >$2 billion to set up an AI Industrial Park, India should take proactive initiatives in this field. He added that India has serious shortage of AI trainers and new jobs will be in the areas of AI Trainers and AI Explainers!

The Book entitled, *'Circuits, Systems and Signal Processing'*, was released on this occasion, authored by country's renowned academician, **Prof S C Dutta Roy, DFIETE**. The Book is co-published by IETE and M/s Springer. The author in his address traced the background for conceptualizing the book and heartily thanked editorial staff of IETE and Springer for their assiduous efforts and dedication to bring out the volume.

The audience comprised of Past Presidents, Distinguished Fellows, Governing Council Members, Corporate Members, Students and staff of IETE and officials from other Departments/ Organisations.

The ceremony ended with the presentation of mementoes to the dignitaries by the President, IETE and a summing up & vote of thanks by **Lt Col Dipankar Sen (Retd),** Secretary General, IETE. The programme ended with the National Anthem.

Event Highlights

Newly Elected Governing Council Members of IETE (2018-21)

Congratulations to all!

Dr J W Bakal (F-174662) is MTech, PhD in computer engineering with 33 yrs of work experience, that includes 7 yrs in industry and 27 yrs in academics. Currently, working as a Principal, Shivajirao S Jondhale College of Engineering, Dombivali. Earlier, he worked as the Principal of Bharati Vidyapeeth College of Engineering, Navi Mumbai. He has worked for University of Mumbai under various capacities, *viz.*, for Board of Studies in MCA, Computer Engineering and Information Technology, and as member for Academic Council, Research and Recognition Committee. As PG and PhD Guide in the Univ of Mumbai, he has guided more than 50 ME students and out of his 8 PhD scholars, 2 have successfully defended their PhD thesis while three have submitted theirs. He has filed for four patents at Indian Patent Office, published 50 international journal papers and conferences and presented more than 75 papers at national conferences. He is actively involved in the development of Mumbai Centre and served it in various capacities. The Mumbai Centre got its own premises at Chembur, during his tenure as a Centre Hony Secretary. He has successfully organized several international and national conferences and is senior member of many professional sister societies.

Viney Kakkar (F-055976) has been associated with IETE Delhi Centre for around 15 years as past ExecCom Member and Vice-Chairman of IETE Delhi Centre. He has vast professional experience of over 35 years (20 years in Indian Air Force, 8 years in academia and 5 years in Industry as Vice President (Operations)). Now for last three years, he has been associated with operations and research in the field of Computer Hardware & Networking and is also a Lead Auditor for ISO Certification. Shri Viney Kakkar aims at developing professional technical skills among today's youth and guides them to achieving financial independence. He wishes to contribute in advancing the national development agenda via promoting Skilled India, Digital India & Make in India**.** He also intends to take up the challenge of establishing various IETE Centers as Skill Development Centers, with support and co-operation from IETE fraternity. A meticulous planner and a thorough professional, he is now looking forward to serving IETE as an active member.

Prof (Col) S L Kapoor (F-119778) is an alumnus of IIT Kanpur. While working in the Indian Army in Corps of Signals, he has successfully planned, executed and operated complex military strategical and tactical communication networks for 33 years. He has been the Director of Defence Standardization at DRDO Bangalore. Since retirement from the Indian Army in 2005, he has been working as Professor

and Head in a reputed private engineering college at Ghaziabad. He has been member of IETE Governing Council during 2008-10 when he served IETE Noida Centre as the Chairman and subsequently in 2012-15.

Prof (Dr) Nilesh N Kasat (F-155667) is BE in Electronics & Telecommunication from Govt. College of Engg, Amravati; ME in Digital Electronics & PhD in Electronics & Telecommunication Engg from Sant Gadgebaba Amravati University, Amravati. Currently, he is working as Professor in Dept of E&TE at Sipna College of Engineering & Technology, Amravati. He has published technical papers in national and international journals and has filed for patents. He has actively been involved in activities of IETE like growth of membership, student affairs and conduction of various technical activities. He has also been instrumental in the phenomenal growth of IETE Amravati Centre. During his tenure, the Centre bagged the Best Centre Award, twice. His areas of interest include Microprocessors, Microcontrollers and Embedded Systems & Parallel Computing. His vision is to encourage technological up-gradation of the participants by enhancing their professional skills.

Brig VK Panday (Retd) (F-099223) has more than 45 years of 'hands on' experience in technical training & technical administration, production, project management, procurement, financial management and budgetary management & control, HRD & technical training, logistics, maintenance, security and risk management –both internal as well as external. His core competencies include strategy, planning and implementation and organization effectiveness. He has to his credit ME (Opto-Electronics) from IIT Delhi and Queens University of Belfast, UK; BE (Mechanical and Electronics Engineering), BSc (PCM) and Advance Diploma in Radar Technology; Defense Management Joint Course in Systems Analysis and Design (ADP), Management Development Course of Creative Decision Making from IIM, Kozhikode and Independent Directors Course from Bombay Chartered Accounts Society (BCAS) & SP Jain Institute of Management & Research, Mumbai. At present, he is the Chief Operations Officer at the INCLEN Trust International, Delhi, -a medical implementation research institution. Earlier, he served as the Director of two engineering colleges at Kurukshetra, and then at College of Teerthanker Mahaveer University, Moradabad.

Brig Panday has served the Indian Army in Corps of EME for 36 years and throughout the Army career he has been involved in numerous forums/bodies, taking decisions at the highest levels and has had tenures where strategy planning and allocation of resources, funds and procurement have been major responsibilities. Accepting responsibilities and initiating process to implement

policies has been part of his work culture. Brig Panday also has the distinction of serving the IETE as Secretary General for four years and later as its Governing Council Member (2013-16).

Dr D C Pande (F-126202) was an outstanding Scientist & Associate Director at Electronics & Radar Development Establishment (LRDE) and presently he is Dr Raja Ramanna DRDO Distinguished Fellow. He received his BSc & MSc degrees in Electronics from Garhwal University, India in 1974 and 1976 respectively and later obtained his PhD in Applied Physics in 1982 from University of Allahabad, India. Dr Pande began his scientific career in 1981 with LRDE, DRDO, Bangalore, where he was involved in the design & development of Electromagnetic Interference Control Techniques for ground based, airborne and ship-borne equipments and systems. He had designed developed the passive and active Antennas and Test Facilities for various radar programs of DRDO. He has published more than 150 research papers and 50 technical reports. He is a founder life member of Society of EMC Engineers and presently the Chairman of the Society. He was Chairman of IETE Bangalore Centre during 2014-2016 and the Chairman of the IEEE EMC Chapter in Bangalore. Dr Pande received many honours and awards, including Certificate of Acknowledgement in 2016 by IEEE EMC Society; Prof SN Ghosh Award of IETE Allahabad Centre in 2015; "Certificate of Achievements" by the Chief of Naval Staff in

2014 and "DRDO Technology Group Award in 2011". Dr Pande has become HPEM Fellow since July 2016.

R K Vyas (F-092971), a Mathematics graduate with Honours, post graduate in Statistics from Univ of Delhi & ALCCS degree holder from IETE equivalent to MTech (Computer Science). Presently, he is pursuing PhD in Computer Science. He has more than 36 years of experience in CS&IT field as software developer, consultant and faculty. He has served National Informatics Centre, Ministry of Information & Communication Technology for more than 4 years and is attached with University of Delhi from past 32 years. Shri Vyas has been associated with NIELIT (DOEACC), MeitY, Govt of India; IETE; and many universities & technical institutions either as an expert, guide, examiner or consultant. Presently, coordinating for E-Learning & E-content creation, NMEICT & MOOCs projects of MHRD at Institute of Life Long Learning, University of Delhi, Delhi. Shri Vyas is Fellow IETE, Senior Life Member of CSI, ISTE, ISCA and ECI. Earlier, he served CSI at various capacities (Chairman, Vice-Chairman & Secretary, CSI Delhi Chapter, Vice-President (North) & Hony Treasurer). He has guided number of students in their research/project works; coordinated for Faculty Development Programmes on Digital Learning & Computer Science at Academic Staff College of UGC at University of Delhi and has conducted/ attended/given presentations at national & international Seminars/ Conferences.

Ex-Officio IETE Governing Council Members (2018-20)

K R Shende (F-024228) is BE (E&TC); MTech in Energy Science from Pune University (First class). He served IETE Pune Centre as the Hony Secretary from 2001 to 2018 and is the Chairman Pune Centre for the year 2018-20. Shri Shende joined Electronics Corporation of India in June 1974 as Service Engineer and worked in Television field till 1983. This period saw the introduction of Colour TV in India. Shri Shende also worked on ITT German and Gold STAR Korean kits. During 1983 to 2001, he worked for M/s Kalpita Enterprises, who were responsible for winning sales records and service dealership for ECIL (Govt of India Enterprises) of electronics products in Pune, mainly B/W and colour TV sets. Thereafter served Savitribai Phule Pune University as external examiner for projects and Audio Video Engineering subjects of B E (E/Tc). During 2001-2013, served Bharti Airtel as Quality Head (Western), Fiber Optic cable laying and Technical Audit Department, India; as Calibration Head for Measuring Instruments like OTDR, Optical Powermeter, SORCE etc., all over the country. From 2014 till date involved in Solar Energy Products installations, maintenance and giving training in this field. Recipient of Best service Award from Bharti Airtel and for Sales record in ECIL.

R S Chauhan (F-068960) Chairman, IETE Delhi Centre has been serving MTNL as an executive for more than 2 decades and has also served in the private sector for a long period of 20 years. He has extensive experience in switching technologies like 5-ESS switch, EWSD switch, Ericsson and Huwai Dislam/Broadband services and in the wireless technology. Shri Chauhan has been associated with IETE since 1994. Earlier he has served IETE Delhi Centre as a Hony Secretary for 10 years, as Chairman for past two years. He has worked hard for the development & betterment of the Centre. He has organized various technical lectures, workshops conferences and visits to the private companies for the placements of students.

Col (Retd) Manoj Kumar Pande (F103171) is BTech in Electronics and Telecom Engg and holds Master's Degree in Computer Management (MCM) from Pune University. He was commissioned in Army in Corps of Signals in 1978. He has over 32 yrs of experience in conceiving, planning and implementing telecom projects in Army, especially in inhospitable terrain using different wireline and wire-

less media and associated state of art eqpt/technology. He was involved in provision of responsive communications for disaster management during earthquakes in Bhuj - Gujarat (2001). He has wide administrative and technical experience in various telecom and computer systems. He was associated with conduct of training of middle and senior level Army Officers at Military College of Telecommunication Engineering, Mhow and Indian Army War College, Mhow. He was actively involved in provision of operational communication in J&K during Op-VIJAY and in Rajasthan (Jaisalmer Sector) during Op PARAKRAM. He has been Fellow IETE (Life) for over 20 years and has earlier been associated with the activities of IETE Pune, Chandigarh, Jaipur, Jammu, Shimla, Bhopal, Mhow, Indore and Guwahati Centres. He is also a Member of Computer Society of India. He has been Hony Treasurer of IETE Noida Centre (2015-16) and Hony Secy (2016-18). He is now the Chairman Noida Centre for the term 2018-20 and ex-officio Governing Council Member of the IETE.

Dr (Prof) Sushil Kumar Kaura (F-113448), MTech, (IIT, Delhi) and PhD, has more than 40 years working experience in the areas of R&D, Academia, Human Resource Development and Administration. He has served as Additional Director/Chief Scientist at CSIR-CSIO, Chandigarh (1976-2010). He has also served as Director of prestigious engineering and management institutions affiliated with Kurukshetra University, Kurukshetra. Published over 85 research papers in several International/National Scientific Research Journals & Conference Proceedings; one International Patent; delivered several invited lectures, and supervised theses of a large number of graduate and postgraduate students. He has been awarded DAAD Fellowship (1982-83); IIT Delhi MTech Fellowship (1973-75); Govt of India National Scholarship for studying abroad (1979-80). He has worked as Visiting Scientist at Physikalisch-Technische Bundesanstalt (PTB), Braunschweig, West Germany (1982-83) as a DAAD fellow. He is a Fellow of IETE, OSI, and a Member of CSI, IPA, ISI and SPIE (USA). He frequently visited the Department of Applied Sciences & Engineering, University of Toronto, Toronto, Canada.

Prof A Ravi Kumar (F-114730), MTech (JNTUHCE), has 35 years of working experience in R&D, Academia and Industry. An IETE member since 1985 and held senior positions in Industry and Engg institutions. Served as Scientist in MCSD, SAC, ISRO; as Professor in ECE departments of CMR Engineering College, TRREC, MGIT and VRSEC. He worked in UAE for Sea-borne UHF Telemetry and Bubble Barrier early warning systems; for Signal & Telecom Dept. of Indian Railways for deployment of Data Loggers in all nine IR zones. As Technical Director of AP Antenna Products, he established Microwave Anechoic Chambers at BEL and Communication industries by design, development, manufacture,

validation and commissioning. He developed Radar Absorbing Materials for LOS parabolic antennas, ship borne Communication Radars of Mazagon Dock Ltd. Life Member IETE, IE(I), BMESI and ISTE. Earlier has been co-opted twice to IETE Governing Council, organized several student related technical activities; three Defence sponsored projects and published 10 research papers. His areas of interest include: MW Engineering, Artificial Intelligence and Space Sciences and Industry-Institution-Interaction.

Prof HS Bhatia (F-141729) is BSc, BE Sc (TCE) and MTech from IIT Delhi in Radar Systems. He served LRDE for 35 years, contributed significantly in Design and Development of Radar Systems such as Naval Surveillance and Tracking Radar for Navy, 3D CAR and MMR for LCA. After retirement in 2004 he was Prof & HOD (Dept of ITE) in KNSIT Bangalore for 10 yrs. He is active member of large number of professional societies such as IEEE, IETE, ISOI, SEE, and IMAPS-India, and served as Hony Secretary, IETE Bangalore & IMAPS-India Chapter. His present area of interest is in Emerging Technologies such as RF MEMS, LPI Radar, Radar Signal Processing, and Electronic Intelligence for EW application and IOT. He has been actively imparting skill sets to engineering students for their professional life ahead and steering ISF (IETE student Forum) activities in professional institutes as IETE official. He has served IETE Bengaluru Centre as an Honorary Secretary during 2012-14 & 2016-18. Presently he is the Chairman of IETE Bengaluru Centre. In additional to this, he is Chairman of Institute of Defence Scientists and Technologists (IDST), Bangalore, the Apex body of DRDO to support their Active Projects in Bangalore Region.

Dr Sanjay Singh Thakur (F-143401) is BE in E&TC (1985) from Govt Engineering College, Jabalpur, MP; received Master's degree in 1994 from VJTI, Mumbai and PhD from SAMEER, IIT, Bombay. He has 32 years of teaching and research experience. Presently, he is working as Prof & Head in E&TC Dept of VIT, Wadala, Mumbai. His core interest areas are: Telecommunication Systems /Antenna and RF design. He is a Senior Member IEEE, FIETE, has to his credit 35 research papers. Dr Thakur has reviewed many books for adoption in Indian Universities, published by Tata McGraw-Hill India and Wiley Publication and for journal "Telecommunication Systems (TELS)" (Springer). He is the recipient of Rashtriya Gaurav Award (2012), Indira Gandhi Excellence Award (2013), Ideal Teacher Award, KJSCE-Mumbai (2004–05). He has served IETE as EC member/Vice-Chairman of Mumbai Centre, Member Academic Council (2006-2012) & different Statutory Committees of the University of Mumbai. He was responsible for syllabus upgradation of Electronics and E&TC; coordinated for many short-term training programmes (ISTE approved), workshop, national and international conferences. He has been the Resource person/ Invited speaker at various engineering colleges & industry.

Partha Sarathi Biswas (F-156347) is a Physics graduate with Honours from St Xaviers College, Kolkata; BTech (Hons), Dept of E&ECE, IIT, Kharagpur and ME, Dept of ECE, IISc, Bangalore. He has worked for M/s Jessop and Co Ltd, Kolkata, as Deputy Manager (Control systems) and was responsible for drive and control systems installation and commissioning. Thereafter, he founded SIGNOTRON, a company engaged in design and manufacturing of Power Electronic equipments for Indian Railways and other Industries. The company has more than fifty products of Power Electronics, many of them state-of-the-art, and several pioneering products. He is closely associated with product design and implementation of active filters, solar inverters, advanced battery chargers and a variety of inverters and converters for Indian Railways and for industrial applications.

Tata Sudhakar (F-203179), Sci-F, at National Institute of Ocean Technology(NIOT), Chennai and currently, heading one of the technology development groups for development of new Ocean observation technologies. He possesses over 35 years experience in Oceanographic Institutions. Dr Sudhakar has participated in many research expeditions both at national and international levels like Survey of Polymetallic Nodules, Commonwealth Science Council Program (CORE) for Caribbean islands, National Data Buoy Programme for monitoring of oceans, calibration and validation system for Indian oceans at satellites (CALVAL), Establishment of bottom pressure recorders for detection of Tsunami and Co-investigator of BoBBLE (Indo-UK) project. Recipient of prestigious National Geo Science Award from Ministry of Mines, Govt of India in the category of Disaster Management for the contributions in establishment of Indian Tsunami Warning System in 2012 and Certificate of Merit for technical excellence in Ministry of Earth Science, Govt of India in 2013. He has also *r*eceived the IETE-Hari Ramji Toshniwal Award in 2017 for his significant contributions in designing and developing complex technologies. Dr Sudhakar has participated in the 5th Indian Expedition to Antarctica in 1985. Filed eight patents and has 50 publications to his credit.

IETE HQ organized a workshop on "Computer Awareness Programme" for Girl Students

A Computer Awareness programme was organized for girl students under women empowerment activities of WEEC committee at N P Co-education Govt Girls Senior Secondary School, Lodi Road, New Delhi on 22nd May 2018. The resource person-,**Shri P K Juneja**, FIETE, enlightened the participants by giving them complete genesis of the computer and career opportunities that were available for women in this field. Shri Juneja used variety of ways to help students develop technical skills such as audience analysis, invention and speaking abilities on the spot. Students are not alike so as an efficient instructor, he used various tactics to teach effectively. Impromptu assignments given on the spot made the participants think and organize on short notice. The event on a whole was very beneficial. IETE's aims & objectives were publicized; WEEC aims were highlighted; the students were enlightened towards the utility of the subjects; students were acquainted with the applications of computer in day to day life. The students participated enthusiastically and were happy to be the part of the programme. **Shri V K Gupta**, Co-Chairman, WEEC Committee, **Lt Col Dipankar Sen (Retd)**, Secretary General, **Shri Anil Sharma**, Dy Secy of IETE and two school teachers of computer were also present during this programme. The Co-Chairman in his addressed encouraged the student participants and motivated them to opt for IT careers. About 45 students were attended. Feedback was taken from the students to know their expectations and such implementations in future IETE programmes.

Workshop on "Computer Awareness Programme" for Girl Students conducted by IETE HQ

Call for Contributions to IETE Digital Library/ IETE Book Series

- We are pleased to inform you that IETE is setting up a platform by the name **IETE Horizon: Digital Library** on its website (www.iete.org), where papers presented at various conferences, held under the aegis of IETE, will be considered for online publishing/ uploading. Accordingly, it is proposed to set up a separate Editorial Board for this activity. We request our Corporate Members to suggest appropriate names of the experts, having academic/ industry experience of minimum 15 years in responsible position with exposure to research, to be enrolled for this Editorial Board. Your suggestion will be forwarded to Chairman IETE Publications Committee, Prof (Dr) A K Saini and Chairman Technical Programmes & Publicity Committee, Prof M N Hoda for their perusal and subsequent approval. You can suggest more than one name with complete address, contact details and areas of specialization of the person, for the ready reference of the Committee members.

- The IETE is collaborating with **renowned Scholarly Publishers**, **Springer and CRC Press (Taylor & Francis)** for bringing out Book Series, wherein IETE members will be invited to contribute for these technical books/ monographs/ text books/ Hand books of interest to a scientific audience. This book Series will be authored by Institution members and have worldwide circulation and get support from these global Publishers for their global marketing network.

  We invite you, our members to propose suitable names for the Editorial Board of IETE Digital Library and to send original technical contributions for consideration under IETE Book Series.

IETE Awardees – 2018

IETE recognizes outstanding achievements amongst its members and other professionals in the broad areas of Electronics, Telecommunication, Computers, Information Technology and related disciplines through annual/biennial awards. This year IETE received good number of nominations. The Awardees -2018 for various IETE Awards including academic awards are as follows. Most of the awards, except for a few, will be presented during 61st Annual IETE Convention scheduled to be held on 29th - 30th Sept 2018 at Amravati, Maharashtra, India.

Congratulations to all the AWARDEES !

IETE Main Awards

The awardees selected in the categories are:-

IETE - Ram Lal Wadhwa Award

Dr K P Ray, Defence Institute of Advanced Technology, Pune

IETE - Hari Ramji Toshniwal Award

Dr Chandrakanta Kumar, ISRO, Bangalore

IETE - Bimal Bose Award

Dr Siva Kumar K, IIT Hyderabad

IETE - Lal C Verman Award

Shri Ajay Kumar Lal, ISRO Ahmedabad

IETE - IRSI (83) Main Awards

Shri M Sheik Altaf, LRDE, DRDO

IETE - IRSI (83) Young Scientist Award

Shri Kandula V Subrahmanyam, VSSC, Trivandrum and Shri Virendra Kumar, LRDE, DRDO

IETE- Flt Lt Tanmaya Singh Dandass Memorial Award

Shri B P Shashidhara, DRDO, Bangalore

IETE - Prof K Sreenivasan Memorial Award

Dr Prasad Shastry, Bradley University, USA

IETE - Prof SVC Aiya Memorial Award

Dr Prabhat Kumar Upadhyay, IIT Indore

IETE - B V Baliga Memorial Award

Dr Neelesh Kumar, CSIO, Chandigarh

IETE – CEOT (94) Award (Biennial)

Prof Sourangshu Mukhopadhyay, The University of Burdwan

IETE - B R Batra Memorial Award

Prof C Murali, Bengaluru

IETE - R S Khandpur Award

Dr S Poornachandra, SNS College of Technology, Coimbatore

IETE – Brig M L Anand Award

Dr Prashant Ramarao Deshmukh, Govt College of Engg and Tech, Nagpur

IETE - Biman Behari Sen Memorial Award

Prof Tadisetty Srinivasulu, Kakatiya University College of Engineering and Technology, Warangal

IETE- Smt Manorama Rathore Memorial Award

Dr Vyasa Sai, Intel Corporation, USA

IETE- Smt Ranjana Pal Memorial Award

Dr Hema Singh, CSIR, Bangalore

IETE-Technomedia Award for Young Women in Engineering

Dr Trapti Jain, IIT Indore

IETE-Smt Triveni Devi Gupta Memorial Award

Dr Jyoti Singhai, MANIT Bhopal

IETE- Shri Devi Singh Tyagi Memorial Award
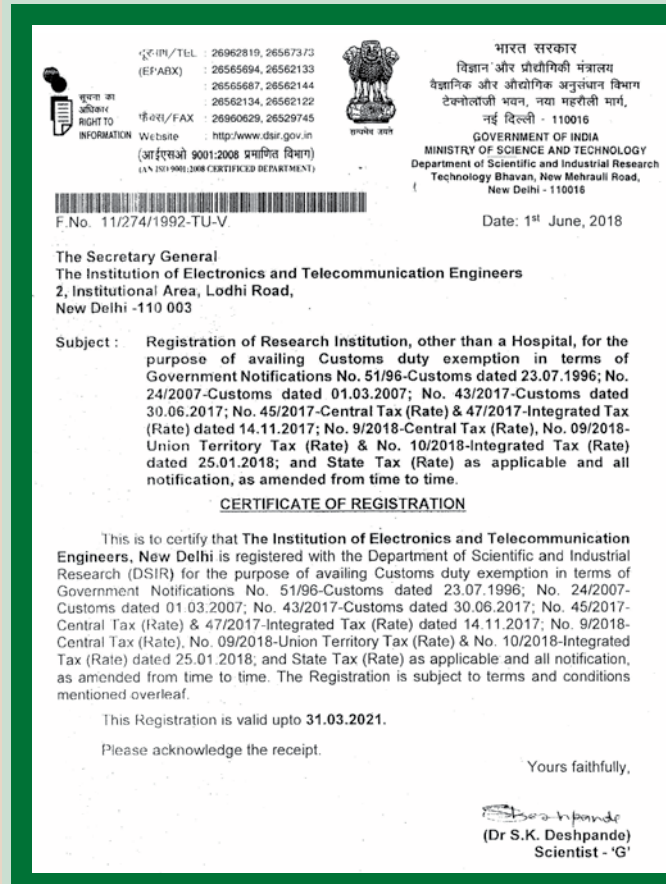
Shri Amit Tiwari, BEL, Ghaziabad

The categories that received no nominations this year:

- IETE - Prof S N Mitra Memorial Award
- IETE - Shri P P Malhotra Memorial Award
- IETE - Corporate Award for Performance in Computer and Telecommunication Systems (LEs)
- IETE - Corporate Award for Performance in Development of Software (LEs)
- IETE - Corporate Award for Performance in Electronic Components (MSMEs &LEs)
- IETE - Corporate Award for Performance in Electronic Instruments and Instrumentation (LEs)

The categories that received single nominations this year but were not considered. The nominee if wishes can send their updated nominations next year for consideration. These categories were:

- IETE- N V Gadadhar Memorial Award
- IETE–Corporate Award for Performance in Computer & Telecommunication Systems (MSMEs)
- IETE-Corporate Award for Performance in Development of Software (MSMEs)
- IETE Corporate Award for Performance in Electronic Instruments and Instrumentation (MSMEs)

IETE's Scientific and Industrial Research Organisation (SIRO) status renewed till 31st March 2021.

IETE Best Papers' Awards Given for Articles Published in 2017 IETE Journals

Awards	BEST PAPERS with name of the Awardees
IETE SK Mitra Memorial Award	**Effective Doping of Monolayer Phosphorene by Surface Adsorption of Atoms for Electronic and Spintronic Applications** by Priyank Rastogi, Sanjay Kumar, Somnath Bhowmick, Amit Agarwal and Yogesh Singh Chauhan published in IETE Journal of Research Mar-Apr 2017 issue
IETE J C Bose Memorial Award	**Stability Analysis in Top-Contact and Side-Contact Graphene Nanoribbon Interconnects** by Sandip Bhattacharya, Debaprasad Das and Hafizur Rahaman published in IETE Journal of Research, July-Aug 2017 issue and **Linear Precoding Techniques for OFDM-Based NOMA over Frequency-Selective Fading Channels** by Arsla Khan and Soo Young Shin published in IETE Journal of Research, July-Aug 2017
IETE M N Saha Memorial Award	**Extracting Salient Features for EEG-based Diagnosis of Alzheimer's Disease Using Support Vector Machine Classifier** by N N Kulkarni and V K Bairagi published in IETE Journal of Research Jan-Feb 2017 issue and **Design and Measurement of Planar Monopole Antennas for Multi-Band Wireless Applications** by S A A Shah, M F Khan, S Ullah, A Basir, U Ali and U Naeem, Published in IETE Journal of Research Mar-Apr 2017 issue
IETE K S Krishnan Memorial Award	**An Improvisation of CCS-MLI Topology in Terms of Maximization of Levels** by Rekha Agrawal and Shailendra Jain published in IETE Journal of Research Sep-Oct 2017 issue and **Stabilization of the Two-Axis Gimbal System Based on an Adaptive Fractional - Order Sliding-Mode Controller** by Amir Naderolasli and Mohammad Tabatabaei published in IETE Journal of Research Jan-Feb 2017 issue
IETE CDIL Award for Industry	**Development of Pulsed Eddy Current Instrument and Probe for Detection of Sub-Surface Flaws in Thick Materials** by K Samba Siva Rao, B Purna Chandra Rao and S Thirunavukkarasu Published in IETE Technical Review Sep-Oct 2017 issue
IETE Gowri Memorial Award	**Review of Circuit Level Leakage Minimization Techniques in CMOS VLSI Circuits** by Rohit Lorenzo and Saurabh Chaudhury published in IETE Technical Review Mar-Apr 2017 issue and **Internet of Things-Based Free Learning System: Performance Evaluation and Communication Perspective** by Omar Said and Yasser Albagory, published in IETE Journal of Research, Jan-Feb 2017
Two Students' Journal Award	1. **Generalized Karnaugh Map Method for Boolean Functions of Many Variables** by V C Prasad published in IETE Journal of Education Jan-Jun 2017 issue and **A Systematic Method for Finding the Input Impedance of Two-Terminal Networks** by T S Rathore, published in IETE Journal of Education July-Dec 2017. 2. **Bias-Point Calculation and Parameter Extraction Using EKY Compact MOS Model Equation** by Arun Kumar Sinha published in IETE Journal of Education Jan-Jun 2017 issue and **Analysis and Design of a Dual-Band stepped Impedance PCB Monopole Antenna** by Gowrish B and Ananjan Basu published in IETE Journal of Education Jan-Jun 2017 issue

IETE Academic Awardees-2018

The IETE Academic Awards awarded to the AMIETE/ DipIETE students for excellence in academics this year are as follows:

ALCCS

➤ **IETE - GOPAL M DANDEKAR MEMORIAL AWARD -** given to a girl student securing the highest percentage with 60% and above marks and completing ALCCS Course in three years. In case girl student is not available it is given to a male student – No recipient in this Award this year.

AMIETE

➤ **SUBRAMANIAN THYAGARAJA AWARD -** given for securing the highest percentage with 6.5 GPA and above marks and completing Part 1 of Section A in one attempt without exemption.

JUNE 2017

AMIETE (ET)- NAVEEN RATHORE - 227662 GPA = 8.2 (Under Current Scheme)

- SASMITA BISWAL – 177409 GPA = 8.66 (Under New Scheme)

DECEMBER 2017

(AMIETE ET, CS & IT) - No recipient in the award this year.

➤ **AMIETE COUNCIL AWARD – I** given for securing the highest percentage with 6.5 GPA and above marks and completing part-II of Section A in one attempt without exemptions.

JUNE 2017

(AMIETE ET, CS & IT) - No recipient in the award this year.

DECEMBER 2017

AMIETE (ET) - SASMITA BISWAL – 177409 GPA = 6.83 (under New Scheme)

- SOMOJU RAMA CHARY - 238273 GPA = 6.83 (under New Scheme)

➤ **AMIETE COUNCIL AWARD – II** given for securing the highest percentage with 6.5 GPA and above marks and completing Part 1 of Section B in one attempt with exemptions.

JUNE 2017

AMIETE (CS) - PUSHPENDRA BHARDWAJ – 164019 GPA = 6.6 (under current scheme)

DECEMBER 2017

(AMIETE ET, CS & IT) - No recipient in the award this year.

➤ **AMIETE COUNCIL AWARD – III** given for securing the highest percentage with 6.5 GPA and above marks and completing Part – II of Section B (Except Project) in one attempt without exemptions.

JUNE 2017

AMIETE (ET) - VIVEK NAGORE - 230899 GPA = 8.25 (under Current Scheme)

- SAVITA KUMARI - 236383 GPA = 8.6 (under New Scheme)

DECEMBER 2017

AMIETE (ET) - PRABHAKAR DWIVEDI -190187 GPA = 6.75 (under Current Scheme)

- RAKESH KUMAR SRIVASTAVA- 233261 GPA = 6.75 (under Current Scheme)

- POLEPALLI HARISH KUMAR - 237958 GPA = 6.6 (under New Scheme)

AMIETE (CS) - P LATHA - 236588 GPA = 8.2 (under New Scheme)

AMIETE (IT) - ARCHANA GAUR - 236592 GPA = 6.6 (under New Scheme)

➢ **SMT RADHABAI KAPRE GOLD MEDAL AWARD** given for securing the highest percentage with 6.5 CGPA and above marks and completing AMIETE in 4 years attempt without exemptions.

JUNE 2017

AMIETE (ET) - APARNA KUMARI – 235609 CGPA = 8.48 (under Current Scheme)

AMIETE (CS) - BHARTI RANA – 235325 CGPA = 7.14 (under Current Scheme)

AMIETE (IT) - RAVI RANJAN - 234841 CGPA = 6.59 (under Current Scheme)

DECEMBER 2017

(AMIETE ET, CS & IT) - No recipient in the award this year.

➢ **HARI MOHAN MEMORIAL AWARD** given to a girl student securing the highest percentage with 9 GPA and above marks in both the mathematics papers of ET, CS & IT streams of the AMIETE examinations conducted in the first year (JUNE & DECEMBER EXAMS) of her registration with AMIETE.

JUNE 2017

(AMIETE ET, CS & IT) - No recipient in the award this year.

DECEMBER 2017

(AMIETE ET, CS & IT) - No recipient in the award this year.

➢ **AMIETE – GOPAL M DANDEKAR MEMORIAL AWARD** given to a girl student securing the highest percentage with 6.5 CGPA and above marks and completing AMIETE (Considering ET, CS & IT streams of current Jun & Dec Exams together) in four years without any exemptions.

JUNE 2017

AMIETE (ET) - APARNA KUMARI - 235609 CGPA = 8.48 (under Current Scheme)

AMIETE (CS) - BHARTI RANA - 235325 CGPA = 7.14 (under Current Scheme)

DECEMBER 2017

(AMIETE ET, CS & IT)- No recipient in the award this year.

FINAL AWARDEE–235609 (APARNA KUMARI) PASSED IN JUNE 2017 SECURING 8.48 CGPA IN ET STREAM.

DIPIETE

➢ **DIPIETE COUNCIL AWARD – I** given for securing the highest percentage with 6.5 GPA and above marks and completing Part 1 of Section A in one attempt without any exemption.

JUNE 2017

DIPIETE (ET & CS) - No recipient in the award this year

DECEMBER 2017

DIPIETE (ET & CS) - No recipient in the award this year

➢ **DIPIETE COUNCIL AWARD – II** given for securing the highest percentage with 6.5 GPA and above marks and completing Part-II of Section A in one attempt without any exemptions.

JUNE 2017

DIPIETE (ET & CS) - No recipient in the award this year

DECEMBER 2017

DIPIETE (ET & CS) - No recipient in the award this year

➢ **DIPIETE COUNCIL AWARD –III** given for securing the highest percentage with 6.5 GPA and above marks and completing Part-1 of Section B in one attempt without any exemptions.

JUNE 2017

DIPIETE (ET & CS) - No recipient in the award this year

DECEMBER 2017

DIPIETE (ET & CS) - No recipient in the award this year

➢ **DIPIETE COUNCIL AWARD – IV** given for securing the highest percentage with 6.5 GPA and above marks and competing PART-II of Section B in one attempt without any exemptions.

JUNE 2017

DIPIETE (ET & CS) - No recipient in the award this year

DECEMBER 2017

DIPIETE (CS) - RAJITA KUMARI - 233682 GPA = 7.66 (under Current Scheme)

➢ **DIPIETE COUNCIL AWARD – V** given for securing the highest percentage with 6.5 CGPA and above marks and completing DIPIETE in 3 years without any exemptions.

JUNE 2017

DIPIETE (ET & CS) - No recipient in the award this year

DECEMBER 2017

DIPIETE (ET & CS) - No recipient in the award this year

➢ **DIPIETE – GOPAL M DANDEKAR MEMORIAL AWARD** given to a girl student securing the highest percentage with 6.5 CGPA and above marks and completing DIPIETE (Considering ET & CS streams of current Jun & Dec Exams together) in three years without any exemptions.

JUNE 2017

DIPIETE (ET & CS) - No recipient in the award this year

DECEMBER 2017

DIPIETE (ET & CS) - No recipient in the award this year

Awards & Achievements

Dr G Satheesh Reddy (F-225072L), renowned Aerospace Scientist took over as the **Chairman of the Defence Research Development Organisation (DRDO) & Secretary, Department of Defence Research and Development (DDR&D)**.

He presently spearheads and steers Dr APJ Abdul Kalam Missile Complex, The Missile Hub of India. Earlier, Dr Reddy served as Dir of the Research Centre Imarat a key laboratory of Dr APJ Abdul Kalam Missile Complex, Defence Research and Development Organisation and an advanced centre for design, development and delivery of avionics systems for missiles and other applications. Dr Reddy pioneered many technological developments for Indian Missiles and has made significant contributions towards successful flight testing of the country›s maiden intercontinental ballistic missile Agni-V mission. In June 2015 he was appointed scientific adviser to the defence minister of India. He has made significant contributions to indigenous design and development of missile technologies and avionics. IETE fraternity congratulates and wishes him all the best in his new role.

Brig (Dr) V D Abraham, SM (Retd) (F-177298), Governing Council Member of IETE took over as **Vice Chancellor of the Shri Venketaswara University, Gajraula, UP,** on 1st June 2018. We extend our heartiest congratulations on his being installed as the Vice Chancellor of the University and wish him the best in this new term of office.

Dr ARM Khan (AM-230139) AP/E&TC and **Dr M R Shahade (AM-230133)**, AP IT/IT of Jawaharlal Darda Institute of Engg and Technology, Yavatmal, have been awarded **PhD degree** by SGB Amravati Universtiy, Amravati. Congratulations to our corporate members.

New Members of IETE enrolled/upgraded during April-August 2018

S.N.	MEM	CAT	NAME
1	052244	F	Kothari, Praveen Kumar
2	099813	F	Balakrishnan, C
3	099819	F	Ganesh Madhan, M, (Dr) Prof
4	123876	F	Husain, Mir Amjad
5	130219	F	Garg, Amit Kumar
6	159782	F	Prasad, Babu, P
7	181418	F	Saxena, Raghvendra Sahai, Dr
8	228044	F	Karthikumar S, Dr
9	234611	F	Thangadurai, N, Dr
10	500094	F	Ghunawat, Ashish Kumar, Dr
11	501226	F	Thakur, Kishore Kumar
12	501227	F	Beg, Mirza Ansar, (Dr) Prof
13	501228	F	Shindhe, Geeta R
14	501229	F	Jha, Rajneesh
15	501230	F	Kesari, Vishal, Dr
16	501231	F	Misra, Sudip (Dr) Prof
17	501232	F	Saha, Himadri Nath, Dr
18	501233	F	Parekh, Bhuvan Shantilal
19	501234	F	Kaushik, Rahul, Dr
20	501235	F	Roy, Abhishek, Dr
21	501236	F	Mall, Alok
22	501237	F	Ganguly, Pallab
23	501238	F	Girdhar, Anup, Dr
24	501239	F	Chakravorty, Pragnan, Dr
25	501255	F	Jagadesh B
26	501256	F	Chopra, Raj Kumar, Dr
27	501257	F	Krishnaraj V
28	501258	F	Jain, Vinod Kumar, (Dr) Prof
29	501259	F	Hemant Ansingkar, Cmde
30	501260	F	Chakraborty, Sarit
31	501266	F	Mohammad, Rihan, Dr
32	501267	F	Hiwale, Anil S, Dr
33	501268	F	Sangamker, Ashwani Kumar
34	501269	F	Sheeba P S, Dr
35	501270	F	Sood, B K, Air Vice Marshal
36	501271	F	Karri, Sadasiva Rao S, Dr
37	501272	F	Patil, Yuvaraj Mahadeo, Dr
38	501273	F	Dixit, Manasi R, Dr
39	501274	F	Sambre, Nitin Baburao
40	501275	F	Nigavekar, Atul Ravichandra
41	501276	F	N A S Cooray, Major
42	501277	F	NWPGP Indrajith, Major
43	501278	F	Kulkarni, Rahul Gopalrao
44	501290	F	Lakshmi Sudha K
45	501291	F	Sunil Kumar V, Dr
46	501292	F	Srinivas B A
47	501293	F	Kavitha E, Dr
48	501294	F	Gupta, Nitin
49	501295	F	Prasantha, H S, Dr
50	501296	F	Deka, Bhabesh, Dr
51	501297	F	Roychowdhuri, S N
52	235368	F	Sharada P N
53	098876	F	Suresh, G
54	210608	F	Punnaiah V, Dr
55	202255	F	Banerjee, Tanmoy, Dr
56	501298	F	Raja Kumar Reddy N, Dr
57	501299	F	Garg, Rahul Kumar, Dr
58	501305	F	Patil, Ulhas V
59	501327	F	Chakrabarti, Satyajit, Dr
60	501240	M	Banerjee, Jyoti Sekhar
61	501241	M	Sinha, Kumari Priyanka
62	501242	M	Bhele, Sujata Ganpat
63	501243	M	Gidugu, S L B V Prasanthi
64	501244	M	Kaleem, Afshan
65	501245	M	Singh, Rakinder
66	501246	M	Chaudhary, Gaurav
67	501247	M	Bhagwatkar, Sonali Abhijit
68	501248	M	Agrawal, Pallavi
69	501261	M	Ganatra, Miloni Mayur
70	501262	M	Patel, Zalakben Y
71	501263	M	Swaminathan, J N, Dr
72	501279	M	Vattikuti, Srinivasarao
73	501280	M	Rajesh K L
74	501281	M	Rao, Gurudatt Jagdish
75	501282	M	Pawar, Rupali Sanjay
76	501283	M	Rangababu P, Dr
77	501284	M	Shinde, Ashwini Amit
78	501285	M	Palod, Pragya Agar, Dr
79	501286	M	Pal, Jitendra, Dr
80	501287	M	Das, Sandip
81	191939	M	Agarwal, Rajesh, Dr
82	181464	M	Balaji Vittal Rao
83	501300	M	Prasanna Kumari P
84	501301	M	Sengupta, Anirban, Dr
85	132093	M	Manjunath D U
86	501306	M	Hatkar, Archana A
87	501307	M	Bibave, Prashant S
88	501308	M	Khiarnar , Prerana N
89	501309	M	Bhamre, Liladhar P
90	501310	M	Wable , Trupti K
91	501311	M	Chaudhari , Priyanka A
92	501312	M	Varade, Kiran P.
93	501313	M	Vaidya, Vishal K
94	501314	M	Shaikh, Nadeem B
95	501315	M	Shedge , Kishor N
96	501249	AM	Kondaveeti, Hari Kishan
97	501250	AM	Awasthi, Pallavi
98	501251	AM	Joseph, Stephen Varughese
99	501252	AM	Subrahmanyam V S R
100	501253	AM	Joshi, Nitish Narayan
101	501254	AM	Sikder, Sayan
102	501264	AM	Rather, Sajad Ahmad
103	501265	AM	Kumawat, Bhavini
104	501289	AM	Mukherjee, Chiradeep
105	501288	AM	Fakih, Awab Habib
106	501303	AM	Madar, S K
107	501302	AM	Mohammed, Imtyaz Ahmed
108	501316	AM	Somavanshi, Snehal S
109	501317	AM	Mahajan , Rana S
110	501318	AM	Varade, Gauri A
111	501319	AM	Dawange, Manisha V
112	501320	AM	Chakor, Atmaram M
113	501321	AM	Palode, Goraksh B
114	501322	AM	Zurale, Puja B
115	501323	AM	Singh, Ankita K
116	501324	AM	Sahu, Vijay K
117	501325	AM	Autade, Vijay V
118	501326	AM	Bhalerao, Rushikesh S
119	501304	A	Paramala, Ravindra
120	G00545	ORG	Dr V.S.M.T.G of Institutions, Unnao (UP)
121	G00546	ORG	Sreenivasa Institute of Tech & Mgmt Studies, Chittoor (AP)
122	G00547	ORG	AVN Institute of Engg & Technology, Ranga Reddy (Telangana)
123	G00548	ORG	Narayana Engineering College, Nellore (AP)
124	G00549	ORG	Sir Visvesvaraya Institute of Technology, Nashik (MS)

F = Fellow   M = Member   AM = Associate Member   A = Associate   ORG = Organizational Member

News from Centres

Various technical events/ programmes conducted by IETE Centres/Sub-Centres during past four months are given below. The **50th World Telecommunication and Information Society Day (WTISD)-2018** on the theme, "Enabling the Positive Use of Artificial Intelligence for all" was one such event covered mostly by our Centres/Sub-Centres apart from regular or other new events.

AHMEDABAD

• The Centre celebrated the **50th WT&ISD - 2018** on **Enabling the positive use of Artificial Intelligence for All,** jointly with IE (I), Gujarat State Centre and CSI, Ahmedabad Chapter on 17th May 2018. It was supported by various technical/ professional associations of Gujarat like, BES, Gujarat Innovation Society (GIS), and Association of Computing Machinery (ACM). **Shri Navin Vasoya**, Immdt Past President, IE(I) presided over and gave a brief on about the role of IE(I) in the nation building. **Shri VK Jain**, Centre Chairman, gave briefs on IETE, CSI, BES, ACM, GIS and their activities and technical contributions. Emphasizing on the importance of the AI, he said that it required integration of big data, sensors, robotics, satellite images, huge storage cloud, IoT, and fastest technology. Govt industry, academia and civil societies together can resolve global challenges. The video message was played released by **Prof Hulin Zhao**, Secretary- General, ITU. **Dr Bharat Patel**, Council Member, IEI and convener WTISD-2018 presented an overview on the theme of the day. The event was attended by about 240 members of participating organizations/ associations. **Dr Sandeep Vasant**, Chairman CSI Chapter, introduced the theme speaker, **Er Neeraj Athalye**, Vice President – Innovation & Digital Business SAP India Subcontinent, who presented the importance of AI in day to day life citing examples. **Dr Manish Doshi**, EC Member –ET, IEI, GSC, introduced Chief Guest **Shri Tapan Misra**, Dir, SAC, ISRO. Shri Misra, motivated the students in his address. Vote of thanks was proposed by **Er Niraj Shah**, Treasurer, CSI.

50th WT&ISD - 2018 celebrated at the Centre

• A six-day workshop was organized on **IoT** in association with Reve Automation LLP during 9th – 15th Jun 2018.

• A seminar on **"Optical Communication Technologies and FSOC"** was organized on 23rd Jun 2018, wherein the Chairman **Shri VK Jain,** Immdt Past Chairman delivered the welcome address. He explained the importance of Optical free-space communication systems & their advantages. Special talks were delivered by **Shri R K Bahl**, Sc Engr, "G", Head-OCD-SNPA, SAC/ISRO) on "Optical Communication Tech and FSOC Last Mile Solutions"; by **Shri Manish Saxena**, Sc Engr, "SF" Head-S SD-SEDA, SAC/ ISRO, on "Acquisition, Tracking and Pointing Techniques" and by **Smt Payal Sharma,** Sc Engr, "SE" OCD, SAC/ISRO on "Optical Communication RX Systems". Quiz for students was held. Finally, vote of thanks was proposed by **Shri K K Mehta**, Centre Hony Treasurer.

ALLAHABAD

The Centre organizes a research level lecture every year by eminent scientists including many eminent personalities of the country under Prof S N Ghosh Endowment Lecture series. This year this prestigious award was conferred on **Prof K K Bhutani**, Director UPTECH, Allahabad, also a Distinguished Fellow IETE by **Prof P Nagabhushan,** Director IIIT Allahabad on 4th Apr 2018. On the occasion, the Centre Chairman **Er R N Mishra** delivered the welcome address and threw light on the background of the lecture. **Er G S Shukla,** past Centre Chairman introduced the speaker, **Prof Bhutani,** who spoke on **"Industry 4.0"**. The speaker provided thoughtful fresh perspective on technological integration resulting in newer innovation that includes multi-purpose, highly affordable devices. He said that many things today were joining the integrated innovation world. The level of integration was going up and new orders suitable to modern world needs were being coined through words like CLAYTRONICS, Internet of Things, Surgical Robots. Different disciplines have been brought in via integration of different devices, thus turning them more useful, cost-effective & versatile for the users. He called these technological integrations resulting into newer innovations. He cited the example of smart mobile phones used by all. He added that Industry 4.0 would change the scene of technological thinking all over the world. At the end **Dr RS Yadav,** Centre Hony Secretary proposed vote of thanks.

Prof K K Bhutani, DFIETE, Dir UPTECH, Allahabad, being felicitated after delivering Endowment Lecture

AMRAVATI

• A seminar titled, **"Preparing for Technical Interview and Start-up Interview Strategy"** was organized on 15th Feb 2018 jointly by the Centre, CSI Amravati Chapter & Sipna College of Engg & Technology, Amravati and inaugurated by **Prof (Dr) VS Gulhane**, Head, IT Dept & **Prof A B Deshmukh**, Centre Hony Secretary. The resource person was **Shri Suyesh Zanwar.** Prof AR Thakur & Prof T S Rohankar were also present on this occasion.

• **"Crack-E-Thon"** was a four-day event, organized jointly by the **IETE, CSI** and **Sipna College.** This workshop on **"Cyber Security & Ethical Hacking"** was inaugurated by **Prof (Dr) AP Thakare** and held during 21st-24th Feb 2018, **Prof AB Deshmukh, Prof AR Thakur** and **Prof TS Rohankar** were present on the occasion. The resourse persons were: **Shri Akshay S Shrivastav** and **Shri Abhishek Telang.**

• A 3-day workshop on **"Python Programming"** was organized with CSI Amravati Chapter & Sipna College of Engg & Tech, under the National Level Technical Competition Vidyotan-2018 during 25th-27th Feb 2018. **Prof (Dr) AP Thakare**, GC Member, IETE and **Prof (Dr) VS Gulhane**, Head/IT, inaugurated the event. **Shri Rhushikesh Dhande** coordinated as the resource person.

• One-day seminar on **"Philosophy of Engineering"** was inaugurated by **Prof (Dr) KN Kasat**, Head/EXTC and **Prof Syed Sabhihuddin**, Head, Civil Engg at ISF, Dept of ETE, Prof Ram Meghe College of Engg & Management, Badnera on 7th Mar 2018. **Shri Vijay Bhattad** was the resource person in this seminar.

• **Prof (Dr) VS Gulhane**, Head of IT Dept, inaugurated the workshop on **"Meditation"** at ISF, Dept of IT, Sipna Collage of Engg & Tech, organized by the Centre on 10th Mar 2018. Eminent personalities present were: **Prof AB Deshmukh, Prof AA Bardekar, Prof AR Thakur** and **Prof TS Rohankar.** Shri Dorik Shah was the moderator. On the same day **Prof (Dr) VS Gulhane & Prof AB Deshmukh** inaugurated another seminar on **"Branding, Digital Marketing and Latest Trends in Industry",** wherein **Shri Rahul Chute**, Dir, Innovate Digital Innovation, Amravati, was the invited Guest Speaker. The others notables were: Prof TS Rohankar member CSI & IETE and Prof H N Watane, member IETE.

Seminar on "Branding, Digital Marketing and Latest Trends in Industry" in progress

• On 24th Mar 2018 another seminar on **"ETL, Big Data Hadoop & UI-UX Technology" by Shri Gaurav Farkale**, CEO & Founder, Ace Invent Pune was arranged with **Prof (Dr) VS Gulhane**, Head/IT & **Prof AB Deshmukh**, Hony Secy as the main guests. Other eminent members present were- Prof TS Rohankar and Prof AR Thakur.

BANGALORE

• The Centre celebrated **"International Women's Day"** on 2nd Apr 2018 in association with C-DAC.

• The Centre and C-DAC jointly organized an **"IoT workshop"** on 15th Apr 2018. **Dr G L Gangaprasad**, Executive Director, C-DAC delivered the keynote address. **Shri G Ramesh**, Centre Chairman presided.

• The Centre organized a one-day workshop on **"Control Systems"** by **Prof S N Iyer** on 29th Apr 2018. He held an illuminating and interesting session on the subject citing examples from industry.

• A **Summer School in Electronics & Computers – 2018** was conducted during 29th Apr–20th May 2018, imparting theory and practical training in electronics to students. The program was sponsored by M/s ASM Technologies Bengaluru. **Dr Kailasavadivoo Sivan**, Chairman ISRO, was the Chief Guest at the valedictory function. The other dignitaries who graced the event included: **Shri Rabindra Srikantan**, MD, M/s ASM Technologies as Guest of Honour and **Prof (Dr) KTV Reddy**, President IETE. Awards and certificates were distributed to participants.

Summer School in Electronics & Computers -2018 held at IETE Bangalore Centre

• **50th WTISD-2018** was celebrated on 17th May 2018 with the keynote speaker **Ms Manimozhy**, Dir, CAIR, DRDO, who outlined the various aspects of **Artificial Intelligence**. The event also witnessed Prof SVC Aiya memorial lecture wherein the Chief Guest **Prof BS Sonde**, Past President IETE, paid homage to Prof SVC Aiya in his address. The Guest of Honour for the event, **Shri MV Gowtama**, CMD, BEL, motivating the SUSIEC students urged them to take up a career in electronics.

BHUBANESWAR

World Telecommunication and Information Society Day was organized on "Enabling the positive use of Artificial Intelligence for All" at Regional Telecom Training Centre Bhubaneswar on 17th May 2018. **Er Satyananda Naik**, Centre Chairman, welcomed

the gathering. **Prof (Dr) RN Satpathy**, Director, TAT group of Institutions and Centre Hony Secretary, in his lecture explained how Artificial Intelligence had become popular. **Er A K Pahi,** GM BSNL and Centre Vice Chairman, motivated and urged the students to be passionate, confident and enthusiastic about learning new technologies and elaborated on its benefits. The Chief Guest **Er BK Nayak**, CGM BBNL and Centre Hony Treasurer, propounded on the Optical Fiber Connectivity in rural levels promoting the wave of Digital India. Winners of technical debate competition were awarded. The program was hosted by **Dr Pravash Ranjan Tripathy**, Prof and HoD /ECE of Gandhi Engineering College Bhubaneswar. **Er Bijaya Kumar Mohanty**, Principal RTTC Bhubaneswar, proposed vote of thanks at the end.

CHANDIGARH

The Centre in association with ISF - Indo Swiss Training Centre, CSIO, Chandigarh organized a ten day workshop on **"Basic Electronics and Robotics"** for matric level students during 18th-28th Jun 2018. Main aim of this workshop was to promote the basic science culture among the school students. More than 15 students participated. In this workshop students learnt to demonstrate the line follower robot and were also able to perform basic experiments with other electronics components. Prizes were given to the 1st, 2nd and 3rd best performers.

CHENNAI

• On 23rd Dec 2017, the Centre & ISF of GKM College of Engineering and Technology, New Perungalathur Chennai, together organized - **Industry Institute Partnership Council (IIPC)**, with an objective of facilitating partnership between colleges, forums and industries to promote knowledge and training to students. Around 125 members attended this programme.

• The Centre & ISF at Adhi College of Engineering & Technology, Chennai, organized a national level seminar on **Recent Trends on Antennas for Industrial, Scientific and Medical Applications** on 28th Dec 2017.

• The Centre & ISF at Easwari Engineering College, Ramapuram, Chennai, together organized a guest lecture on **Satellite Launching Techniques** on 24th Jan 2018.

• The Centre with ISF at Veltech Engineering College, Avadi, Chennai, organized a guest lecture on **Cellular Architecture** by **Shri J Santhanakrishna, (Retd),** DGM, BSNL, Chennai Telephones on 14th Feb 2018.

• The Centre & ISF at Shri Sairam Engineering College, West Tamabram, Chennai, jointly organized an International Conference on **Communication, Computing and Internet of Things** during 15th -17th Feb 2018.

• The Centre & ISF at Vels University, Pallavaram, Chennai, organized a workshop on **Software Defined Radio - Enabling Technology,** inaugurated by **Shri Tata Sudhakar**, Vice Chairman, IETE Chennai Centre during 15th -16th Mar 2018.

• With ISF at SRM University, Potheri, Kattankulathur, the Centre organized a national conference on **Microelectronics, Networking and Communication** during 21st-23rd Mar 2018.

• The Centre with ISF of Jeppiaar Maamallan Engineering College, Vadamangalam, Sriperumpudur, Kancheepuram, organized a national level conference on **Emerging Challenges in Engineering and Technologies** on 23rd Mar 2018.

• The Centre with ISF at SA Engineering College, Chennai, jointly organized **Mini Project Contest**, which was inaugurated by EC member **Shri RPB Sundram,** (Retd) AGM, BEL on 27th Mar 2018.

• One-day International Conference on **Innovations and Challenges in Engineering and Technology (ICICET '18)** was organized on 7th Apr 2018 along with ISF at Kings Engineering College, Chennai. About 200 students attended.

• The Centre celebrated **WT&ISD-2018** at Loyola - ICAM College of Engineering and Technology, Chennai, on **Enabling the Positive use of Artificial Intelligence for All** on 17th May 2018. **Dr Swarna Ravindra Babu**, Centre Chairman, accentuated the significance of the day and outlined the history & development of World Telecommunication Union. **Shri S Ramaswamy,** Governing Council Member & Centre Immdt Past Chairman read out the message by Secretary General, ITU, released on the occasion. The role of ICT on the theme of the day was explained by the Chief Guest **Dr K M Sivakolundhu,** Vice Chancellor, Indian Maritime University, Central University. Felicitation speeches were given by **Dr P A Manoharan**, Chairman, IEEE Madras Section; **Er R Ramdoss**, Hony Secretary, IE(I) Tamilnadu State Centre; **Shri S Seshadri**, Past Chairman, IET, Chennai Network; **Dr S Poonkuzhali** – Chairman, CSI Chennai Chapter and **Shri S Ramachandran** – Chairman, BES, Chennai Chapter. The event was attended by around 150 members.

Dignitaries on the dais during WTISD celebration

• The Centre with ISF at Misrimal Navajee Munoth Jain Engineering College, Chennai, jointly inaugurated an **Association of Electrical and Electronics Engineers (AEEE)** on 11th Jul 2018 wherein **Shri Tata Sudhakar**, Sci 'F', National Institute of Ocean Technology, Chennai was invited as the Chief Guest. A biannual newsletter "ELECKTRIKA" was also released in the presence of about 125 members.

- The Centre & ISF at Valliammai Engineering College, Chennai, jointly organized a seminar on **Opportunities in Civil Services for Engineers** on 18th Jul 2018. It was inaugurated by Dr V Prakash, AP/Dept of Economics, Sri Malolan College of Arts and Science, Madurantakam, University of Madras. 175 members attended.

- Guest lecture on **Development of Field Autonomy for unmanned surface vehicles** was arranged by the Centre & ISF of Sri Sairam Engineering College, Chennai, on 21st Jul 2018. The Speakers included: **Prof Jinwhan Kim,** Korea Advanced Institute of Science and Technology, Republic of Korea and **Shri Tata Sudhakar**, Centre Chairman.

- A meet was organized for the ISF Coordinators and the students on 2nd Aug 2018, where in HoDs/Assoc Professors & students / office bearers from 22 engineering colleges participated. **Shri Tata Sudhakar**, chairing the meeting explained about the ongoing activities and requested the participants to make full use of the projects launched by the Centre for final year students. **Dr M Selvi**, Hony Secretary, emphasized on the need of active participation by the faculties & students and on the need of reactivation of IETE membership drive. **Shri Ganapathy Suresh** and **Shri R P B Sundram,** EC Members, delivered technical talks on the occasion.

DELHI

- A one-day National Summit was jointly organized with CSI and CSI Div-1 on **Digital Judiciary – Technologies for Justice** on 25th Feb 2018. Hon'ble Justice **Shri Sunil Ambwani**, former Chief Justice, Rajasthan High Court and former Chairman, e-Committee, Supreme Court of India was the Chief Guest. The summit was attended by domain experts from judiciary, IT, cyber security, digital recordings, controlling cyber crimes and students with the total participation of more than 70. **Shri Manoj Sethi**, Chairman, CSI-DC and **Er R S Chauhan**, Centre Chairman delivered the welcome addresses. The Centre Chairman and **Shri R K Vyas**, former Hony Treasurer, CSI also addressed the gathering. The Chief Guest expressed his views on "e-committee: Present Journey and the Road Map Ahead" and propounded the importance of standardization of rules in High Courts for having common systems across High Courts. Going back in the history,

he told the audience about computerization of courts and benefits of digital technology in judiciary and the requirement of having national repository. **Shri Tanmoy Chakrabarty**, VP & Global Head GISU, TCS spoke on "e-courts-A holistic approach with total focus on outcomes" and underlined integration of different public service through digital infrastructure. It was followed by a speech by **Ms Suhasini Gotamare**, IA&AS on "GSTN and its Challenges". **Shri Manoj Kumar Tuli**, Scientist F & Sr Tech Dir, NIC, addressed the "ICT enabled Justice Delivery System", focusing on how the proceedings in the court both for judges, litigants and lawyers had become streamlined. **Shri Anuj Agarwal**, Chairman, Centre for Research on Cyber Crime & Cyber Law and co-convener SIG on Digital Judiciary and Cyber Laws of CSI, spoke on the "Risks in Online Transactions and Safety Tips". He narrated the legal challenges of apprehending cyber criminals because of the likelihood of committing crimes from different jurisdictions besides lack of training and equipment with law enforcement agencies. **Shri Dhval Kotecha**, MD, Rapid Radio Solutions Pvt Ltd, articulated on the "Use of RFID tags for physical file tracking for smooth court proceedings". **Shri Avinash J Trivedi**, Vice-President, Videonetics Technology Pvt Ltd, handled the topic on "Challenges of low pixel quality cameras leading to courts not accepting the video digital evidence." **Shri Manoj Kumar Singh**, AIIMS, IT dept covered, "Creating software tags for faster implementation of e-courts". The meeting was well received and liked by all. Vote of thanks was proposed by Shri B B Rishi, Hony Secy of the Centre.

- IETE IGNOU Regular Study Centre-38036 conducted **Induction Meet** on 18th Mar 2018. **Prof SC Dutta Roy**, Distinguished Fellow of IETE was the Chief Guest. **Shri M B Goswami**, Centre Head, IETE IGNOU RSC-38036 welcomed the Chief Guest **Prof Dutta Roy** and **Dr Sanjeev Pandey**, Regional Director IGNOU with bouquet of flowers. The address by the Chief Guest was highly informative and interactive. Dr Pandey while elaborating the process of Induction, introduced the subject of 'Distant Education' and categorically stated how the new system was different from 'correspondence course system' which is in operation at number of places. He mentioned about various characteristics of Distant Education; like availability of self-learning materials, continuous assessment process, flexible duration. He also explained various operational issues and

National Seminar on Digital Judiciary – Technologies for Justice, in progress

The Chief Guest addressing the audience during the Induction Meet

challenges. Vote of thanks was proposed by **Shri Nibhesh Kr Dass**, Asst Coordinator RSC-38036 and Head IT of the Centre. He thanked IGNOU students & staff of the Centre for their participation and making the programme a grand success.

• The Centre also conducted **online examinations** for various Institutes/ organizations and companies, *viz.,* ALLEN AIIMS, FIIT JEE CBT-2018, Jain University, and CUSAT CAT 2018 during the month of April 2018.

• A one-week girls' training programme on **Computer Literacy and Awareness** was undertaken by **Shri Shubhadeep Dasgupta** during 11th–19th May 2018. About 90 girls from Govt Sarvodaya Kanya Vidyalaya, Janakpuri, New Delhi, attended.

• The Centre also celebrated **50th WT&ISD** on 17th May 2018. A technical lecture was delivered by **Dr Tarun Rawat** on **Enabling the Positive use of Artificial Intelligence for All.** About 25 members attended this technical talk.

ERODE

• **Women Empowerment Programme** on "Women Safety" was organized on 5th Jul 2018 at Maharaja Auditorium, Kongu Engineering College. Around 200 girl students and faculty members participated. **Thiru A Venkatachalam**, Correspondent, Kongu Engineering College, **Dr G Murugesan**, Immdt Past Centre Chairman and **Dr D Malathi**, Centre Hony Secretary were present. The Chief Guest **Ms G Anandhanayagi**, Inspector of Police, Anti Child Trafficking Unit, Coimbatore, shared her experiences and elucidating laws helpful to women in such situations. The Guest Speaker **Ms J Jayla**, Sub-Inspector of Police, Avinashi, emphasized on the safety precautions that every women should take in extreme situations.

Participants of Programme on "Women Safety"

• A short term course on Japanese language was started by the Centre with 52 members.

GOA

THINK- 2018 – a kind of Idea Presentation Competition was organized at Agnel Institute of Technology and Design, Assagao, Goa, on 28th Jul 2018 under the mentorship of ISF co-ordinator **Prof Harish Velingkar** and **Prof Chaithali Karekar** along with student

IETE members. The **Goa Entrepreneurs Mentorship Services (GEMS)** was the signature sponsor; whereas **Naik Solution**, alongwith **IETE Goa Sub-Centre** were the co-sponsors**.** Around 14 teams from engineering colleges all across Goa participated. The guest speaker for the event was **Shri Valindo Godinho**, CTO of Wafer Electronics, Panjim, who briefed on one of his ingenious products TUNGSTA, a street lighting system that uses mesh network and energy saving management. He emphasized on the need of saving the environment. Shri Valindo leads a team of intellectuals to build cost-efficient and environmental-hazard free products. The judges evaluating idea presentations included: **Shri Gajanan Nagarsekar**, Co-Founder & CEO, Kallows Engineering; **Shri Sunoj Raicar**, AP/HoD,Electronics Dept, DMC-Assagao and **Shri Yadnesh Sanzgiry**, Technical Specialist, Optel Group. The teams presented and shared path breaking ideas on various topics such as IoT, energy conservation, smart parking, detection of exo-planets, image processing, energy extraction from speed breakers, lifeguard drones, etc.

Participants of THINK- 2018

HYDERABAD

• The Centre celebrated **50th World Telecommunication and Information Society Day** on "Enabling the Positive use of Artificial Intelligence for All" on 17th May 2018. **Dr G Laxminarayana**, Centre Chairman, presided over the programme. **Prof (Dr) Linga Reddy D**, Hony Secretary, delivered the introductory remarks. **Shri Jayesh Ranjan**, IAS Principal Secretary, Dept of I&C and IT Govt of Telangana was the distinguished Invited speaker. Dr TH Chowdary – CTMS, 14th Endowment Lecture was delivered by **Dr CSR Prabhu**, former Dir General NIC, GOI on "Artificial Intelligence in the Service of Mankind". **Dr TH Chowdary,** present during the occasion, was felicitated by the dignitaries**. Shri KVNSVPL Narasimham**, Chairman, Technical Programmes and publications proposed vote of thanks in the concluding session.

Padmashree Dr TH Chowdary, DF and Past President IETE being felicitated after the Endowment Lecture

• **Shri UV Warlu 18ᵗʰ Memorial Lecture** was organized on 20ᵗʰ Jun 2018 on "Hyderabad Metro Rail Signalling & Train Control System" by **Shri K Laxman**, IRSSE, Chief Signal & Telecommunication Engineer, Hyderabad Metro Rail Ltd. The Centre Chairman **Dr G Laxminarayana** presided over the function.

KANPUR

• The Centre organized a model exhibition on **Tech Cruise** in association with the ISF, Indus Institute of Technology & Management, Kanpur on 13ᵗʰ Apr 2018. **Dr PK Manna** Director, IITM inaugurated the exhibition. Other notables present were: **Shri C P Verma**, Centre Hony Secretary; **Shri Prasant Kumar Dixit**, EC member, **Shri Deepak Shukla**, Centre Mgr & **Shri Avneesh**, Lab Asst, AITH, Kanpur. The students demonstrated various projects and displayed their working models. About 21 electronics models were presented under leadership of ISF Convener, **Er Vijay Kumar Dixit,** HoD/ECE. The students awarded for their excellent coordination and technical skills include: Shani Pratap Singh, BTech/ECE- IV year & Bittu Kumar Jaiswal, BTech/ECE- III year. The best model awardees were - Ms Ritu Singh, BTech/ECE IV year; Ms Swapnil Devi, BTech/ECE- IV year and Shri Pradeep Kumar, BTech / ECE-IV year. The Dean Academics, faculty members along with technical support members were also present. Vote of thanks was proposed by Er Vijay Kumar Dixit. About 50 members of IETE, Faculties and Students of IITM Kanpur attended this program.

• IETE Kanpur Centre, IEEE, UP Section and IE (I) Kanpur Centre jointly celebrated **50ᵗʰ WT&ISD-2018** on the theme selected for the day on 17ᵗʰ May 2018 at IIT, Kanpur. **Prof NB Singh**, Vice-Chancellor, HBTU Kanpur, graced the event as the Chief Guest & **Prof Laxmidhar Behera**, Dept of EE, IIT Kanpur as the theme speaker. **Prof SN Singh**, Centre Chairman, welcomed the gathering. **Dr DP Mishra**, Chairman, IE (I), Kanpur Centre, read out the message of Secretary General from ITU. **Dr KV Srivastava**, Chairman, IEEE, UP Section and Er Vivek Asthana, Hony Secretary, IE (I) Kanpur Centre, introduced the dignitaries. **Prof L Behera,** in his thought-provoking lecture "Artificial Intelligent and Robotics", described the theme with many examples and explained the need of AI in different fields of engineering besides applications. Vote of thanks was proposed by Er SK Gupta, a senior member of the Centre.

Dignitaries on the dais during WTISD celebration at the Kanpur Centre

MHOW

A guest lecture by **Prof (Dr) Anil Prabhakar**, IIT Madras was organized on "Leveraging the Power of Quantum Communication and Quantum Computing for the Indian Army" on 9ᵗʰ Jul 2018. The lecture was educative and informative and was highly appreciated by the student officers, ISF members. Fellow members- Comdt, MCTE, **Lt Gen Rajeev Sabherwal, VSM** and Dy Comdt and Chief Instructor **Maj Gen Pritam Bishnoi, VSM,** who were also present and addressed the audience. The welcome address was given by **Col John Prince**, Centre Hony Secretary, while summing up and vote of thanks was proposed by the Centre Chairman, **Brig Deepak Malhotra**. The lecture was well attended and well liked.

Memento presentation to the speaker by the Senior most Fellow, of IETE and Commandant, MCTE, Lt Gen Rajeev Sabherwal, VSM

MUMBAI

• The Centre celebrated **WT&ISD-2018** on 17ᵗʰ May 2018 jointly with BES(I) Mumbai Chapter, IEEE AES/COM-India Chapter, IEEE COM/SOC-Bombay Chapter, IETE Navi Mumbai Centre and IETE, Mumbai Centre as in the past. The event was graced by **Dr M Sasikumar** Director, C-DAC as the Chief Guest, who in his address highlighted the challenges and opportunities in the field of AI and outlined the obligations in the development of the system - heuristics, handling uncertainty, data acquisition, statistical machine learning etc. **Shri SC Khasgiwal**, Chairperson, BES, spoke on its significance while **Shri SR Aggarwal**, the Guest of Honour and former Secy General, IETE Hqs, sketched out various other aspects of AI in his address. **Mr Quraish Bakir** Chairperson IEEE, AES/COM India chapter, gave an overview of his organization, and narrated how his organization underwent metamorphosis from a small firm to a big institution. **Dr Udhav Bhosle**, Centre Chairman delivered the concluding remarks. Members of the Societies and fraternity also attended the programme.

Attendees and dignitaries all celebrating WTISD at the Centre

• The Centre organized an **International Conference** on 'Recent Trends in Sustainable Technologies' (ICRTST-2018) during 14th-15th Jul 2018 at Mahavir Education Trust's Shah and Anchor Kutchhi Engineering College, Mumbai. The inauguration function witnessed the august presence of IETE President, **Prof (Dr) KTV Reddy and Prof Subhasis Chaudhuri**, Dean of International Relations, IIT Bombay, the Chief Guest. Other dignitaries present were: **Dr Udhav Bhosle**, Centre Chairman; **Prof M N Hoda**, TP&PC Chairman, along with **Shri K U Chhadva**, Chairman of Mahavir Education Trust and **Dr Bhavesh Patel**, Principal of Shah and Anchor Kutchhi Engineering College. The Chief Guest, **Prof Chaudhuri** in his address, emphasized on the need for green data centers, essential for effective conservation of energy and also stressed on finding innovative and integrated solutions in this field. The keynote speaker, **Lt Col Monish Ahuja**, spoke on the necessity of supporting India's drive to diversify its energy sources by exploiting renewable energy, conserving natural resources and identifying the most important challenges and opportunities in the energy. The contributory papers selected for presentation were eighty from the fields of VLSI and Embedded Systems, Control and Computation, Image and video processing, IoT, Wireless Communication and Non-conventional energy from India and abroad. In the 2 days program, technical paper presentations were conducted in three parallel sessions in presence of eminent personalities from industry and academics as session chairs. The presence of around 200 participants made the conference a great success. The notables present during valedictory session were: **Prof (Dr) KTV Reddy,** President IETE, **Prof Udhav Bhosle**, Centre Chairman, **Dr Sanjay Thakur**, Convener and **Prof SS Mande**, the Co-convener of the conference. Prof (Dr) KTV Reddy in his address expounded on the need for research and encouraged the participants to keep up their spirit ignited for R&D in respective field of interest. The function ended with vote of thanks by the Convener of ICRTST-2K18.

Release of Souvenir during ICRIST-2018

NAGPUR

• As per the past practice the Centre organized a program on 2nd Apr 2018 in the memory of reputed scientist /academician, **Late Dr PK Kapre**, former President IETE. The keynote speaker, **Shri Anil Tatode,** Training Officer, Oberoi *Robotic Centre,* RTM, Nagpur, gave his address on **"Industrial Robotics & Automation". Dr CS Thorat**, Principal, Govt Polytechnic Nagpur, was invited as the Chief Guest of the function. **Er AR Sawatkar**, Centre Chairman, presided. **Er Lochan Keote**, Ex EC Member of the Centre introduced the speaker.

• **50th WT&ISD-2018** was celebrated on the theme "Enabling the positive Use of Artificial Intelligence for all" on 17th May 2018 in association with IE(I), Nagpur local Centre. **Er Swapnil Deshmukh**, Technical Advisor, Infocepts Technology Pvt Ltd, Nagpur, was the Distinguished Guest for the day. **Er AR Sawatkar**, Centre Chairman delivered the presidential address and highlighted the importance of enabling positive use of AI. Chairman, IE(I), **Dr Dilip Mase** and Secretary **Shri Pathak** were also present. The proceedings of the function were conducted by Prof Harshwardhan Kharpate while programme was concluded by **Prof Suresh Rangankar**, Hony Secretary.

NOIDA

• A technical lecture by was delivered by **Shri Manjit Singh**, former General Manager, BSNL, on **Telecom Technology in 2020** on 27th Jan 2018.

• **Dr Ranjit Singh,** FIETE**,** delivered a thoughtful lecture on the topic, **'Lithium Ion Batteries: Answer to Communications-Energy Crunch**' at the Centre on 27th May 2018. According to him, energy costs account for a third of network operating expenses. Cellular base station towers consume substantial diesel, leading to pollution besides necessitating imports. Batteries are used when grid power fails. Operators are installing lithium-ion batteries (LiB), due to advantages like low maintenance, high energy-density, high charge/discharge efficiency, negligible self-discharge, tiny memory effect and environment-friendly quality. Nickel Cadmium batteries were used earlier in cell phones. Cadmium is toxic heavy metal causing soil-pollution. Today, lithium-ion is one of the most successful and safe battery chemistries. Worldwide >2 billion cells are produced annually. These rechargeable batteries are used for portable electronics, *e.g.* Mobile phones, Laptops, iPods, PDAs & digital cameras. Cobalt-oxide based LiBs are used in cell phones whereas Manganese type, called NMCs are used in electric cars. LiBs are finding usage in aircrafts, defence and aerospace. NASA Space station crew replaced aging nickel-hydrogen battery packs with new Lithium ion units. China has 60% share of global LiB production. Here, Maruti is collaborating with Denso and Toshiba to manufacture LiBs. Reliance is investing $3.5 billion to create 25 GWh LiBs capacity. JSW, Adani and Mahindra are in the fray. Video showing LiB production plant in Rajasthan generated interest.

Interactive session after the Lecture

• A half-day program on computer awareness for senior citizens was organized under the women empowerment activities at the Centre on 29th May 2018. The resource person, **Shri P K Juneja**, FIETE, enlightened participants on the computer history, computer basics, internet uses, online payment of bills, recharge, internet banking and how to use email account, send email and checking the mails, etc. Participants suggested that duration of such classes should be at least for 3 to 4 days to get the full benefit. **Shri V K Gupta**, Co-Chairman, WEEC Committee, **Col TN Shreevastawa (Retd)**, Centre Chairman and **Col M K Pande (Retd)**, Hony Secy were present during the programme.

PALAKKAD

• The Centre celebrated **50th World Telecom & Information Society Day** jointly with IE(I) Palghat Chapter on 17th May 2018. **Shri C K Haridas**, founder Centre Chairman & IETE South Zone Mentor, presided over the function. **Er A Kesavan**, Chairman IE(I), Palghat Chapter, delivered the welcome address and **Er K Unnikrishnan**, Centre Hony Jt Secretary, read out the ITU message and introduced the Chief Guest **Prof N Leena**, NSS College of Engineering, Palakkad. The Chief Guest in her keynote address explained the significance of AI in the present day scenario by pointing out its benefits in our day to day life, right from voice recognition, sentimental analysis medical applications, robotic surgery, utilization of AI in agriculture to self driven cars. **Shri M S Ajayan**, Centre Hony Secretary, proposed vote of thanks.

• An **extensive internship program** for the engineering students of Al-Ameen College of Engineering, Shornur and NSS College of Engineering, Palakkad, were conducted in three batches during 6th-20th Jul 2018. The program included an industrial visit to Pyarelal Group of Industries, Kanjikode. **Prof (Dr) V Devi** chaired the valedictory function. In which Centre Hony Secy, **Shri Beji K Mathew**, delivered the welcome address. **Prof (Dr) K Geetha**, Centre Immdt Past Chairperson, was felicitated during the function. **Shri C K Haridas**, South Zone Mentor, presented the certificates. The feedback session was made alive by Ms Krishnendu, Anuja, Abubacker Sidhiq, Anusree and Balagopal M. Shri P Suresh, faculty member and Centre manager explained the method of studies in hands-on-training. The concluding remarks were given by Shri B Suresh Kumar, Centre Hony Treasurer.

• The Centre and the ISF at Nehru College of Engineering And Research Centre (NCERC), Pampady, jointly conducted a five-day workshop on "**VLSI Design, Embedded Systems, Robotics & Recent Trends in Engineering**" during 23rd-27th Jul 2018. The workshop was inaugurated by **Shri CK Haridas**, IETE South Zone Mentor and founder Chairman of the Centre. **Dr T Ambika Devi Amma**, Principal, NCERC, presided over the function. Asst Prof & ISF Coordinator **Shri Jithin Jose Kallada** gave the welcome remarks. The members felicitated on the occasion were: **Dr S Rajkumar**, HoD/ECE, **Prof Sundaramoorthy** and **Dr S Shankar**. Vote of thanks was proposed by **Shri Jothish KV**, ISF Chairman. Students from 7 different colleges, adjacent to Palakkad district including one from Kollam, participated. Dr S Rajkumar, Prof Muruganadam, Prof P Rajkumar, M/s Pantech Solutions (Kochin) and Shri P Suresh, IETE Palakkad Centre conducted the workshop on these days with full time hands on training. The valedictory session was chaired by **Dr S Rajkumar**, HoD, ECE Dept. Certificates to the participants were distributed by **Dr S Shankar**.

A five-day workshop organised by the Centre

• Hands on Workshop on the **Latest Trends in IoT** was held on 4th -5th Aug 2018 jointly with IE(I) Student Chapter – Electrical, NSS College of Engineering (NSSCE), Palakkad. The inaugural session was chaired by **Prof (Dr) V Devi**, HoD of EEE Dept & Dean (Research), NSSCE and the Centre Chairperson. **Prof Leena N**, Coordinator of the workshop, delivered the welcome address. **Shri C K Haridas** inaugurated the workshop. The Centre Past Chairman **Prof C Pradip** was felicitated on the occasion. **Shri E Harikrishnan** & **Ms V Lavanya**, student coordinators also addressed the participants. The key-note addressee **Prof Kiran VK**, AP/CSE, NSSCE, delivered the talk on "IoT". The first session of the workshop was effectively conducted by **Shri Suresh P**, Centre Manager and on the second day by the experts from **M/s Neo Green Labs, Kochi**. The Valedictory session was chaired by **Prof (Dr) V Devi.** Summing up of the events during the workshop based on the feedback from the students was given by **Prof Leena N.**

PUNE

• The Centre organized **Dr K R Phadke Memorial Award** function on 25th Apr 2018 in which **Dr P B Mane**, Principal AISSMS, Institute of Information & Technology, Pune, was the honoured Guest. Welcoming the audience, **Shri G K Dawara**, Centre Chairman, in his address highlighted the contribution of late Dr Phadke. **Prof Varsha Kiran Patil**, AISSMS, introduced the speaker and awardee of the memorial award- **Shri Prakash P Kajave**, Dig Sys Specialization Principle Specialist, Training Tech Mahindra Ltd., who later gave the memorial lecture on the topic "SDN – Hope or Hype". **Prof (Dr) Prakash Patil** read out awardee's citation and the award was conferred by **Dr P B Mane** and **Shri G K Dawara**.

The Awardee, Shri Prakash P Kajave being felicitated on the occasion

On the same day the Centre organized a **Project competition**, which was attended by number of dignitaries that included: **Shri G K Dawara**, Centre Chairman, **Dr P B Mane,** Principal AISSMS's Institute of Information & Technology, Pune, **Prof SK Khedkar**, Mentor Western Zone, **Shri K R Shende**, **Prof (Dr) S R Jog**, Project Com Coordinator, **Prof (Dr) P H Patil, Dr Mohini Sardey**, HoD E&TC Dept, **Dr R D Kharadkar, Prof M J Khurjekar** and **Prof Sagar Vanarase.** About 60 project groups from various engineering colleges participated. The first three winners of the project competition were: **Neha Borole** and **Ketan Somavanshi** from PICT CoE, for their project, titled "Multipurpose Unmanned Autonomous Vehicle"(won Rs 15,000/-); **Sapna More** and **Nikita Nimbalkar,** Bharati Vidyapeeth's College of Engineering for Women, Pune, for their project, titled, "A Braille Dicta Teacher" (won Rs 10,000/-) and **Sanket Kulkarni**, **Shubham Mittal** & **Tushar Rewatkar** from AISSMS, CoE, for their project, titled "Black Box for Automobile" (won Rs 5000/-). Five consolation prizes of Rs 1000 each were also given to the deserving participants.

• The Centre celebrated **WT&ISD 2018** jointly with IE (I), Pune local centre; IEEE, Pune Section and IET, Pune Chapter, on the theme "Enabling the positive use of Artificial Intelligence for all" on 17th May 2018. On the occasion **Prof (Dr) GS Mundada**, Chairman IEI PLC & Convener, delivered the welcome address. **Shri GK Dawara**, Centre Chairman, talked about the activities of IETE. **Shri Kishore Shende**, Centre Hony Secretary introduced Chief Guest- **Er Prashant Girbane**, Director, PIC & MCCIA, Pune. The theme lecture was delivered by the Guest of Honour **Dr Harrick Vin**, Global Heal, Digitate, TCS. Finally, vote of thanks was given by **Prof AA Deshmukh**, Hony Secretary, IEEE.

• Conferment of **Prof SVC Aiya Memorial Award-2017** for excellence in Telecom Education was organized under the aegis of IETE Pune Centre, in association with Prof SVC Aiya Memorial Trust, Pune on 23rd Jun 2018. On the occasion **Dr Aditya Abhyankar**, Prof and Dean, Faculty of Technology, Savitribai Phule Pune University, the recipient of the Prof SVC Aiya Memorial Award-2017 was presented a citation and a cheque of Rs.20,000/-. **Prof S K Khedkar**, Mentor Western Zone, graced

the function as the Chief Guest. **Dr SR Jog**, **Shri GK Dawara** and other committee members were also present. **Dr Aditya Abhyankar** delivered a lecture on **"Towards Kernel Development in Machine Learning".** On the same day IETE National Journal of Innovation & Research (IETE- NJIR) Volume-V, Issue-I, June 2017 was released. **Dr SR Jog**, Chairperson IETE NJIR gave a brief presentation on the publication and **Prof S K Khedkar** in his address emphasized on the importance of research in today's academic scenario. This was followed by the felicitations of the reviewers of the journal-Dr A V Kulkarni, Dr Y H Dandawate, Dr P H Patil, Dr Deepali Sale. Dr M A Joshi, Dr A S Tavildar, Dr R D Kharadkar and EC members of IETE were also present. The Chief Guest congratulated Dr Jog and the IETE team for such research activities and suggested getting the journal indexed. The overview of the research work was presented by the authors and their efforts lauded by the Chief guest. Shri K R Shende ended the programme with a formal vote of thanks.

RAJKOT

• The Rajkot Centre celebrated the **50th WT&ISD-2018** on the theme chosen by ITU for the day on 20th May 2018. **Shri V M Patwari**, FIETE and former Centre Hony Secretary delivered the welcome remarks and outlined the back history of the ITU. **Er SM Suchday**, EC Member, read out the message from ITU Secretary for the day. Keynote speeches were delivered by **Dr Vimal Parmer**, Principal, Dr Subhash Technical Campus, Junagadh and **Shri Milan Bavlecha**, Data Analyst Ampee Web Tech Pvt Ltd. Shri VK Kathiriya, former AE- DDK Rajkot & some students also expressed their views and concerns. Vote of thanks was proposed by **Ms Amee Diana**, Assoc Prof/CS, Govt Engg College Rajkot and EC member.

50th WTISD celebrated at IETE Rajkot Centre

• A guidance workshop was arranged for the students of AMIETE/DIPIETE and for students of other universities appearing in GATE/UPSC/ other competitive examinations by te Centre. The Centre itself is planning to start GATE coaching classes in near future. Attempts are being made to conduct counseling/coaching classes in other disciplines as well after MoUs with relevant organizations.

RANCHI

• The Centre conducted a winter session on "Digital VLSI Design (WSDVD-2017)" under **skill development programme** during 21st Dec 2017 to 4th Jan 2018. **Dr Vijay Nath,** BIT Mesra, Ranchi was the resource person, who imparted information on **Full Custom & Semi Custom IC Designs**. The other members who delivered addresses on various topics were - **Dr HS Gupta**, SAC, ISRO – Analog IC Design; **Dr M Goswami**, IIIT, Ahmedabad – Mixed Signal Design; **Dr Anand Kr Thankur**, RU – Implementation of VLSI in Bio-Engineering; **Shri Ajay Kumar**, ARTTC, BSNL, Ranchi–Telephone Switching; **Shri G Majhi**, ARTTC, BSNL Ranchi–Fibre Optic Communication and **Shri Ranjan Kumar Ram**, ARTTC, BSNL, Ranchi – Advancement in Communication Systems. 20% discount was given to the girl participants. 10 members were attended.

• The 3rd International Conference on **Microelectronics Computing & Communication System (MCCS-2018)** was organized on 12th-13th May 2018 at Advance Regional Telecom Centre BSNL Ranchi. The function was presided over by President IETE **Prof KTV Reddy**. The Chief Guest on the occasion was **Prof R K Pandey**, Vice-Chancellor (VC) Ranchi University, Ranchi and other dignitaries on the dais included: **Prof AA Khan**, former VC, Ranchi University; **Prof RK Singh**, Past Centre Chairman; **Shri Sanjay Kr Jha**, Executive Engineer, Govt of Jharkhand & Past Centre Chairman; **Shri Prasad Vijay Bhushan Pandey**, DoT Term Cell-1 ARTTC BSNL Ranchi & Chairman ISVE Ranchi; **Shri VK Maurya**, Principal, ARTTC, BSNL Ranchi, **Dr PR Thakura**, Prof, BIT Mesra; **Dr M Chandra**, Prof BIT Mesra, **Dr S S Solanki**, Dir, Univ Polytechnic BIT Mesra. **Shri Ajay Kumar**, Chairman IETE Ranchi and AGM (Admin) ARTTC BSNL Ranchi; **Dr Vijay Nath**, AP/BIT Mesra & Centre Hony Secretary and General Chair MCCS-2018; **Dr Anand Kr Singh**, AP/SSMC Ranchi University, Centre Hony Treasurer & Org Secy MCCS-2018; **Dr Raj Kumar Singh**, AP/Ranchi University & Convenor MCCS-2018 and **Prof JK Mandal**, Kalyani University, the keynote speaker. The lectures delivered during the first session were from Prof JK Mandal followed by lectures from Dr S Chakraborty, Dr Vijay Nath, Dr Anand Kr Thakur, Dr P Pal, Dr I Mukerjee, Dr Raj Kumar Singh and Dr MK Mukul.

3rd International Conference on MCCS-2018 in progress

The second session started with a guest lecture by **Dr HS Gupta**, Scientist SAC ISRO Ahmedabad followed by lectures from Dr M Chandra, Dr Arpan Desai, Dr VK Jha, Dr S Chakraborty, Dr Raj Kumar Singh, Dr I Mukherjee, Dr Shashank Pushkar,

Dr RK Lal, Dr Rajnish Kumar. The third session witnessed the guest lecture from **Dr AA Khan** followed by expert talks by Dr PR Thakura, Dr K Bose, Dr Anil Kumar, Dr Sanchita Pal, Dr Om Prakash, Dr SK Sahana, Dr SS Sahu, Dr Kumari Mamata Singh. The fourth session was chaired by Dr V Bhattacharya including experts, namely Dr Anil Kumar, Dr SS Tripathy, Dr Om Prakash, Dr Anil Kumar, Dr Sanchita Pal, Dr Om Prakash, Dr SK Sahana, Dr SS Sahu, Dr Kumari Mamata Singh.

To conclude the conference, an **Innovation Meet** was organized graced with the presence of President IETE, CGMT BSNL Ranchi & Expert observers from NIT Rairpur & BIT Mesra. Over 30 technical innovative models were presented by students in this Innovation Meet from different ISFs of East Zone of IETE India. The best three models selected were:1) Priya Kumari & Shrawan Mahato on the topic- **Soil irrigation system** (Mentor: Makbool Husain, University Polytechnic BIT Mesra); 2) Neha Nidhi & Utkarsh Sinha on the topic- **Design of Auto Toll Billing System** (Mentor: Dr Vijay Nath, BIT Mesra) and 3)Shani Kumar Lohara & Pallavi Mukherjee on the topic- **Smart City** (Mentor: S Yadav, University Polytechnic BIT Mesra). The programme was well received.

SIVAKASI

• The Centre organized the **Fifth Techno blaze** of the Academic year 2017-2018 vide a lecture-cum-group discussion on 10th Apr 2018. **Dr W Sylvia Lilly Jebarani**, Hony Treasurer, introduced the speaker **Prof G Prema,** ECE Dept, Mepco Schlenk Engg College (MSEC)**,** Sivakasi, who spoke on 'Multi Carrier Modulation Techniques in Wireless Applications'. Vote of thanks was proposed by **Dr R Ahila Priyadharshini**, Hony Secretary. **Dr R Shantha Selva Kumari**, Centre Past Chairperson, presented the mementos.

• The Centre celebrated the **50th WT&ISD-2018** on "Enabling the positive use of Artificial Intelligence for All" on 17th May 2018. **Dr R Ahila Priyadharshini**, Hony Secretary, presented the welcome speech. **Dr R Shantha Selva Kumari**, Head, Dept of ECE, MSEC was the Guest Speaker, who deliberated on various ways in which AI can positively impact the marketing strategy and highlighted the role of Machine Learning and Artificial Intelligence in IoT. Chairperson, **Prof G Prema**, Professor/ECE Dept read the message from ITU Secretary General. Dr W Sylvia Lilly Jebarani, Centre Hony Treasurer proposed vote of thanks. The celebration concluded with the National Anthem.

Prof G Prema, Chairperson addressing the audience

• The **First Techno blaze** (2018-2019) lecture cum discussions was given by **Dr S Tamil Selvi,** Prof & Head (PG), Dept of ECE, National Engineering College, Kovilpatti on 9th Jul 2018 on the topic **'Device-Centric Communication in 5G Networks'.** Presentation included the roadmap from 1G to 4G cell phone and the need for 5G standards. It was informed that Machine-to-machine communication in real time has necessitated the high-speed data transfer that could be achieved via 5G. Applications of device-to-device communication in real-time were also explained. Later, group discussion was held. The programme ended with the address of **Dr R Ahila Priyadharshini**, Centre's Past Hony Secretary.

VADODARA

The Centre celebrated **WT&ISD-2018** in collaboration with Dept of EEE of the Maharaja Sayajirao University of Baroda and Kalabhavan Electrical and Electronics Engineers Alumni Association (KE^{3}A^2) on 17th May 2018. The eminent personalities present during the event were: **Dr V K Shah**, International Team of R&D Experts, ABB India Ltd. as the Chief Guest and **Prof Bhuvan S Parekh**, Ex-Dean Faculty of Technology and Engineering as the Guest of Honour. The welcome address was given by **Dr Mamta C Padole** followed by reading out the message of the Secretary General, ITU by **Wg Cdr Sanat Vasavada**, past Centre Chairman and senior Fellow member. **Prof RC Desai**, Founder Chairman, IETE Vadodara Centre, felicitated **Prof BS Parekh** in honour of his appreciable services in various capacities at the MS University of Baroda and working for the cause of IETE. Later, Prof BS Parekh addressed the audience. **Dr VK Shah,** outlined the history, applications of AI particularly in humanoid, healthcare, fraud deterrence, Google duplex, AI based analytics in reframing farming and dairy industry, etc. He also demonstrated how AI was used by his company ABB in various equipment designing and manufacturing processes. He illustrated by playing various informative videos that gave an idea about the use and impact of AI in day-to-day lives. The talk was appreciated and invoked questions on variety of interesting topics. Dr Sorum Kotia, EC Member proposed the vote of thanks.

50th WTISD celebrated at Vadodara Centre

WARANGAL

• An additional **Faculty Development Program** on "Quality Assurance in Higher Educational Institutions and Industries" was organized by IQAC, KITS Warangal from 19th to 23rd July, 2017. 200 participants from various industries and engineering colleges from different states attended. The Centre and ISF also conducted technical events during 12th-14th Oct 2017.

• The Centre in association with **ISF** at Kakatiya Institute of Technology & Science (KITS), Warangal, Telangana, organized a **faculty workshop** by **Dr K Vishwanath** to promote T-L process. The resource person, an ITpreneur, motivated the faculty with his talk on **Trick your Latent self and Trigger**. Another speaker **Dr U Srinivas Balaraj** from KITS, Warangal, delivered a technical talk on **Pathologies of teaching and learning process**. The **ISF** also organized a seminar on **Emerging Trends in Wireless Networks** co-sponsored by the Centre during 21st-25th May 2018.

• Under the technical sponsorship of the Centre, a FDP was organized at ISF of KITS, Huzurabad, to promote quality research. Expert talks delivered by eminent personalities in the field of signal processing included: **Dr T Kishore Kumar**, HoD ECE, NITW & MIETE on **Social Signal Processing**; **Dr G Prasad**, Scientist-G, NRSC, on **Remote Sensing in Signal Processing; Shri KV Sridhar**, Assoc Prof/ECE, NITW on **Basic Concepts of Signal Processing** and **VLSI Signal Processing**; **Dr L Anjaneyulu**, Assoc Prof/ECE, NITW on **Radar Signal Processing** and **Dr Dhiraj Sunehra**, Prof/ECE, JNTU Manthani delivered his talk on **Hardware aspects of GPS receiver and its Data Processing**.

• The Centre sponsored a two-day workshop on **Recent Trends in VLSI Design and Embedded Systems** organized by SREC, Warangal, in association with Trident Tech labs, Hyderabad and Mentor Graphics, Hyderabad during 22nd - 24th Jan 2018.

ATTENTION ALL MEMBERS

You are requested to keep us informed about your contact details so that the same can be updated in our databank. This will enable us to provide better services.

Details of IETE Members Required for Database Update

• Name of the Member : ....
• Membership Number with Grade : ....
• Date of Birth : ....
• Telephone No (Mob) : ....
• Correspondence Address: ....
....
• E-mail : ....
• Areas of Specialization :
  1. ....
  2. ....
  3. ....

(e-Mail it to mgeditor@iete.org)

OBITUARY

Er VK Malhotra (F-177735) passed away on 4th Jan 2018 after a brief illness. He retired as Executive Engineer from Dakshin Haryana Bijli Vitran Nigam Haryana. He is survived by his wife, a daughter and son.

IETE fraternity conveys heartfelt condolences on his sad demise.

News From IETE Professional Activity Centres (PACs)

PAC- AUSTRALIA

• TThe **9ᵗʰ IETE Australia Symposium** was organized by the Chairperson, Shri Atul Garg and his team on 27ᵗʰ May 2018 at Murdoch University, School of Engineering and IT, Murdoch, Western Australia. The Members and experts who attended the symposium included: Atul Garg, Chairperson PAC; Pankaj Patro; Siddharth Malani; Pramod Kapoor; Himanshu Chetal; Sarabjeet Phagura; Vikram Mody; Tushar Shinde; Prashant Singh; Sai Kolachana; Vikramjit Singh; Anuradha Guddenti; Suman Dewan; Vikram Birajdar; Barjinder Singh; Anunaya Sinha (from Canberra on Skype); Hemanta Kumar Tankala; Ramona Chauhan; Vishal Pachnanda; Ajit Abhyankar (through skype from Melbourne); Davishi Verma; Rekha Kerai; Darren Galvin and Raj Kumar Chauhan. The two presentations given on the occasion were **"LP networks and IoT services around them"** by **Shri Pankaj Patro** (Perth) and **"Industrial IoT and its Application"** by **Siddharth Malani** (Perth). The programme concluded with vote of thanks by Shri Atul Garg.

Participants during 9ᵗʰ IETE Australia Symposium at Murdoch University

• The Robertson Lecture Theatre of Murdoch University, Australia, witnessed the IETE Australia A**nnual Day** celebrations on 22ⁿᵈ Jul 2018. The occasion was graced with the presence of **Hon'ble Pierre Yang,** MLC Representing Minister Sue Ellery, Minister for Education and Training; **Mr Yaz Mubarakai,** MLA Member for Jandakot; **Mr Amit Misra**, Consul General of India in Perth and **Mr Maneesh Gupta**, Engineers Australia State Committee. The Board, Hony Development Advisor to IETE Australia was also present. The master of ceremonies **Ms Ramona Chauhan**, organized the cultural program and she participated in it as well. However, the star of the show was **Mrs Anshu Chauhan**, a highly acclaimed singer.

• In his address, the Chairperson PAC, **Mr Atul Garg** said that they endeavour to be a Centre of Excellence to support entrepreneurs, professionals and students in their practices, research and innovation. IETE Australia, which is not-for-profit Professional Activity Centre, operates like a High Technology Club which is open to everyone having interest in learning or supporting the advancements in Electronics, Telecom, Computer Science and IT. He apprised the members of 9 International Symposia that were held with 18 high quality presentations. He specially thanked **Murdoch University, Dean of School of Engineering and Information Technology** for providing them free venue and computer facilities for conducting symposia/ annual event, **Perth Vision** for helping them with their website www.ieteaustralia.org and other artworks; **Belmont City Medical** owned by Dr Sri for their sponsorship of $500 for this annual event**; Quality press** for long term partnership for all printing work

at cost price only. He further added that their aim is to increase membership and generate community goodwill by providing free high technology learning facilities. Though at present services are free with no membership fee, but a small fee may be imposed next year to cover basic expenses only after mutual consensus. Indian companies operating in Australia were requested to come forward for minor sponsorships. The two highly informative presentations given on the day were: **Deep Learning, Machine Learning** alongwith a Real Demo by **Siddharth Malani** and **IBM Watson Suite and Adaptation of Cognitive Journey by Industry** by **Deepak Sekar.** About 81 formal/informal members attended.

• The Awardees selected by the Awards Committee in various categories included: The Maximum Presentations given by a member at Symposia – **Anunaya Sinha**; Runner Up **Manpreet Singh**; Most Effective Presentation by a member – **Prashant Singh**; Runner Up **Siddharth Malani**; Highest attendance by a member at Symposia – **Pramod Kapoor**; Runner up – **Suman Dewan**; Most active committee member – **Ramona Chauhan**; Runner Up **Jagpreet Walia**; Maximum number of inductions into IETE Australia PAC– **Vikram Mody**; Runner up **Tarun Dewan**; Youngest Presenter at the Symposium – **Sumit Goel**; Best Performance Awards - **Ms Harinder Kour (o**n Harmonium); **Mr Sharad Sharma** (on Guitar) and **Mrs Anshu Chauhan-** (vocals). The programme was a great success with the support of all the enthusiasts.

Award Winners (2017-18) during the Annual Day celebrations at IETE Australia

PAC- TRIVANDRUM-NAGERCOIL

The **IETE Trivandrum-Nagercoil PAC,** organized a one-day seminar on **Data Science and Machine Learning** in collaboration with Riyassa Labs, JS Plaza, Kottar, Nagercoil on 28ᵗʰ Jul 2018. **Shri Srinvasa Prabhu** and **Shri Prathap**, LatentView Analytics, were the honoured Guests. The welcome address was delivered by **Dr S Arumuga Perumal,** Former Chairman IETE Trivandrum Centre. **Prof N Radhakrishnan Nair**, Chairman IETE Trivandrum Centre inaugurated the function. Shri Prabhu and Shri Prathap addressed the gathering and enlightened them with their technical talks. EC member Mrs Rasthi from ISRO, interacted with students. Over 10 institutions participated.

Data Science and Machine Learning Seminar in progress at IETE PAC Trivandrum - Nagercoil

Workshop on "5G Summit" jointly with the 31st GISFI Standardisation Series Meeting (GSSM)

The **31st GISFI Standardisation Series Meeting (GSSM)** was jointly held with the IEEE 5G Summit on 8th-9th Jun 2018 at IETE HQs, New Delhi. The theme was "**5G and Beyond**" to reflect on the joint long-term persistent endeavors to reveal full potential of robust new wireless devices, communication techniques, networks, systems, and services that will revolutionize India to lead the global wireless ecosystem as an inherent part of the digital economy and society. The welcome speech was delivered by **Prof (Dr) KTV Reddy**, President IETE, and opening remarks were given by **Prof Ramjee Prasad**, Chair, GISFI and President, CTIF Global Capsule, Aarhus University, Denmark. The Chief Guest of the event was **His Excellency Peter Taksøe-Jensen**, Ambassador of the Danish Embassy to India. He spoke on the joint collaboration between India and Denmark in ICT technology. Inaugural session witnessed the speeches by **Prof Damodar Acharya**, Advisor, SoA University, Bhubaneswar and **Prof RV Rajakumar**, Director, IIT Bhubaneswar, followed by the Book Opening ceremony of "*Towards Future Technologies for Business Eco system Innovation*", by River Publishers Series in Communications.

The various sessions during the 1st day included: Keynote Speech Session, chaired by **Dr Krishna Sirohi**, t2TB with 5 expert speakers; Invited Session, chaired by **Shri Ashoka**

Dignitaries releasing the Book

Chandra, Former Wireless Advisor with 4 invited speakers; followed by the Panel Session on the topic "Unlocking Standardisation and Business Potential of 5G and Beyond Technologies", moderated by **Shri Dharmendra K Singh**, Director, BIT, Sindri, with seven panelists. The **2nd day** started with **GISFI Panel discussions** on "**How should India take up 5G & Beyond**", moderated by **Shri Tilak Raj Dua**, Vice-Chairman, GISFI. This session included technical talks by eight domain experts. After the short break, the session strated with Think Tank on "Innovation and Entrepreneurship" chaired by Dr **Chandrika Prasad**, Nayantara Consultancy Services Pvt Ltd, including talks and discussions by seven panelists. "Security and Privacy"- the next special session was chaired by – **Dr Anand R Prasad**, NEC, Japan and **Dr Debu Nayak**, Huawei, India while the concluding session "Discussions and conclusions" was handled by Prof Ramjee Prasad who appealed to develop the ICT standards for the implementation of 5G and beyond. This session saw participation from six eminent panelists. The discussions were constructive and programme was well received.

IETE Women Achievers

Prof (Dr) Mukta Bhatele (F169958) is an academician with 22+ years of experience in educational institutes. She is presently working as professor in the department of Computer Science in Gyan Ganga Institute of Technology and Sciences, Jabalpur. Dr Bhatele received her graduation in Computer Science & Engineering in the year 1995 from Maulana Azad College of Technology, Bhopal; post graduation degree in Digital Communication from Maulana Azad National Institute of Technology, Bhopal and Doctor of Philosophy in Electronics. Later she completed Masters in Business Administration in HR.

Dr Bhatele's contribution is significantly in the field of biomedicine and has published number of papers (more than 120) in this area. She is an editor and reviewer of few international Journals of repute. She is currently a board member of IEI Jabalpur chapter and IETE Jabalpur Centre (Co-opted member). She is member of Vigyan Bharti and governing body member of SHAKTI- a National Movement for Women.

Being an active member of many social and technical societies, she has

Message

To every girl who is reading this, never doubt your potential because you are a unique individual, you are important in your own way to your family or community. Pursue your dreams and recognize your strength. Life is full of opportunities, avail every single opportunity that comes your way. Believe in yourself. You alone can give wings to your ambitions. Keep pace with the technology and move forward to fulfill your dreams. We must commit to giving girls an education and the opportunity to progress. Our society cannot afford this discrimination any longer.

Prof (Dr) Mukta Bhatele

devoted herself to the empowerment of women particularly at grass root level, via technology. She facilitates them with her team members by giving psychological, emotional support to the participants and help them create innovative solutions. To bring to an end this gender gap in our society, she is offering them an opportunity to meet their full potential. Access to information is not enough, therefore her NGO that she and her team developed, not only provides information to women but helps acquire necessary skills for work and life. To empower them economically, she has started E-Shakti Movement that provides workshops and trainings to girls and women on the use of internet and how these digital devices could help them grow and improve the livelihood. Her programme aims at bringing digital literacy to women in rural India. Going by the very common quote "If you educate a man you educate an individual, but if you educate a woman you educate a family or sometimes an entire nation", she firmly believes that educating girls and women is effective as when we educate them, the benefits are felt throughout the community. It is the magic multiplier in the development equation. Prof Bhatele thus aims at strengthening women's role in their families in particular, communities and world at large.

IETE Students' Forum (ISF) Activities

• **ISF** at Dept of ECE, of **Dhanalakshmi Srinivasan Engineering College Perambalur (TN),** organized plentiful of events for students and faculties, that included Quiz Program, Circuit Debuging, Pixelate, Catron fest during **Feb, Mar** and **July 2018** including a seminar on Career opportunities, Faculty enrichment programs.

• A new **ISF** at Dept of ECE, **Dayanand Sagar Academy of Technology and Management (DSATM)**, **Bangalore,** was inaugurated on **Mar 15, 2018**. Prof HS Bhatia, the then Hony Secy, IETE Bangalore Centre and Prof C Murali, former GC Member, were invited to address the students on emerging technologies like 5G Network and Internet of Everything (IOE). They enlightened the participants on the importance of IETE membership. Dr Anantha Sunil M and Mrs Tripti Kulkarni hosted the function. Dr Manjunath Prasad, Prof and HoD of the Dept of EC, gave the welcome address.

• **ISF** at **Stanley College of Engineering and Technology for Women, Hyderabad,** organized an industrial visit to the Meteorological Centre, IMD, Hyderabad, on **Mar 16, 2018**. Dr Satya Prasad Lanka, Principal and Dr KN Sahu, ISF Coordinator, thanked Dr YK Reddy, Director, the team of professionals of the meteorological centre for the opportunity given; Shri Murali Krishna and Shri KS Sridhar for accompanying students and presenting demonstrations. **ISF** also organized a workshop on "Ethical Hacking and Cyber Security" by Spyry Technologies, Bengaluru during **Apr 6-7, 2018**. Dr KN Sahu, ISF Coordinator welcomed the students of ECE, EEE, CSE and IT. Others present were: Dr A Vinay Babu, Dir, Prof A Gopala Sharma, HoD/ECE and Dr Ravindharan Ethiraj, Director (R&D). 38 students were offered internship. Dr Satya Prasad Lanka, Principal thanked the trainers of Spyry Technologies.

• A two-day workshop on "LaTex" was organized by **ISF** at

V T Patel Dept of ECE, C S Patel Institute of Technology, Changa, on **Mar 16-17, 2018**. First day activities comprised of hands-on-experience on Texnic Center /MikTek open sources, LaTex; Advantages of LaTex; Preparation of documentation for publication. Prof Pradip Panchal and Dr Hiren Mewada, ECE Department, CS Patel Institute of Technology, Changa, presented details on installation of LaTex, introduction to LaTeX, basic steps & its advantages. Second day events included hands on sessions on report/thesis/paper publication with beamer presentations.

• **ISF** at **Nandha Engineering College (NEC), Erode** in association with IETE conducted 2nd International Conference "Recent Innovations in Engineering, Technology and Management – ICRIETM-2018" on **Mar 23, 2018** in association with Erode Centre. Dr Mohammad Faridun Naim Tajuddin, Chairperson–PG Studies, School of Electrical System Engineering, University Malaysia, Perlis, delivered the Chief Guest address. The Dept of ECE of **ISF**, in association with IETE Erode Centre and Social Club – Aram Sei, conducted an "Awareness Programme" on **Jul 26, 2018**. Shri S Raja Kumar Dy SP, Erode Rural Sub-division, and Shri Sugavanam, IP, Perundurai, were the resource persons. A lecture on "Awareness on Anti-Ragging" was presented for the staff and students of ECE Dept. The efforts of all the organizers and coordinators were lauded.

• **ISF** at Dept of ECE, **Priyadarshini Engineering College (PEC), Vaniyambadi-Vellore (TN)** organized a workshop on CISCO Networking on **Apr 2, 2018** by Shri C Kumar, AP/ECE, Ganadipathy Tulsi's Jain Engineering College, Vellore. Dr P Natarajan, Principal, PEC, Dr M Umadevi, HoD/ECE and Faculty besides 58 participants. Md Falah Kabeer S T, (Final Year) ISF Student Chairman of ECE, gave the welcome address. Resource person and the Principal appreciated the efforts of the Dept conducting this workshop. Shri C Kumar, delivered simplified

sessions on basic networking components and their functions, the working of various protocols used in network. Hands-on training was given to configure various Cisco network devices, basic LAN for a small geographical area and troubleshoot the LAN/MAN. Certificates were distributed to the participants. Shri G Subramani, ISF coordinator/ECE, organized this workshop.

• **ISF** at **Methodist College of Engineering & Technology, Hyderabad,** was inaugurated by Prof A Sarweswar Rao, FIETE, Hyderabad on **Apr 4, 2018.** Dr G Laxminarayana, Chairman, Hyderabad Centre, was the Chief Guest. Guests of Honour were- Prof (Dr) Gunasekhar Reddy & Dr K Jayshankar, Governing Council members, Dr Linga Reddy, Hony Secretary and Prof A Ravi Kumar also participated.

• **ISF** unit at **Kings Engineering College, Chennai,** organized a one-day International Conference on "Innovations and Challenges in Engineering and Technology (ICICET 2018)" on **Apr 7, 2018** for giving practical knowledge to the faculties & students.

• A technical talk was delivered by Prof HS Bhatia as Hony Secretary, Bengaluru Centre at **ISF**, **Alva's Institute of Technology, Moodbidri, Bangalore,** on **Apr 11, 2018.**

• **ISF** at **Chitkara University, Baddi, Solan (HP),** organised a two-day workshop on "Arduino, Raspberry Pi and Particle Photon" during **Apr 19-20, 2018** with an objective of providing students the in-depth knowledge of various electronic chipsets such as Arduino, Raspberry-pi, Particle photon and other modules used along. This was to motivate them to self create more IOT based projects and automate. Students were imparted the knowledge of control system mechanism of microprocessors and microcontrollers.

• **ISF** at Dept of CSE, **Chandigarh Group of Colleges (CGC), Landran, Mohali** organized a one-day workshop on "Robotics Workshop" under the banner of IETE Chandigarh Centre on **Apr 20, 2018** with the sole purpose of teaching & providing hands-on experience to the learners on Robotics tools. A special lecture was delivered by the Experts of NARR (Next Academy for Research and Robotics), attended by about 50 students from CSE Dept. including faculty members. **ISF** also organized a "Networking Workshop" on **Aug 10, 2018**, inaugurated by S Satnam Singh Sandhu, Chairman, IETE Chandigarh Centre, CGC; S Rashpal Singh Dhaliwal, President, CGC, and Dr Rajdeep Singh, Director, Principal CGCCOE. The welcome address was given by Dr Rajdeep Singh. Shri Pankaj Palta & Shri Dishant Khosla, Faculty Coordinators, gave the overview of the programme. This workshop helped the students to know about the basics of networking with the practical implementation using different networking tools. Dr Mahajan appreciated the efforts of the faculty coordinators and the student coordinators. About 70 students of BTech/CSE and faculty members attended.

• **ISF** at **MLR Institute of Technology, Hyderabad,** organized a Micro Project Contest on **Apr 20, 2018**. Dr Abhiskeh Srivastava, Assoc Prof, IIIT, Hyderabad adjudged the programme.

• **ISF** at **KMEA Engg College, Edathala, Aluva, Kerala,** in association with Innovation Entrepreneurship Development Cell (IEDC) organized hands on workshop on "Electronic Product Design" during **Jul 2-6, 2018**. The intention was to impart practical knowledge of power supplies, design principles of regulated power supplies, various types of voltage regulators, PCB design and oscillator circuit to the participants. Hands-on workshop helped the students to gain experience in the subjects and develop thinking power on practical aspects of electronic manufacturing. Dr Rekha Laxmanan, Vice-Principal, KMEA Engineering College; Mrs Manju Bhasker (HOD-EC); Shri Binish M C (Programme Coordinator) and HODs of all departments attended the training programme.

• A new ISF session was inaugurated at **ISF Easwari Engineering College, Ramapuram, Chennai,** on **Jul 10, 2018**, by Shri Allwinson Paul G, Dir and Sc-E at the DRDO and Dr Ganapathy Suresh, EC member and Faculty of Marine Engineering course, Hindustan Institute of Maritime University. About 150 members attended.

• **ISF** at ECE Dept of **K Ramakrishnan College of Engineering, Tiruchirapalli,** in association with Electro Ethnarch organized a "Planar Antenna Design Concept" during **Jul 14-15, 2018**. Dr Girish Kumar, Prof/EE, and Prof (Dr) Ragavan, Prof/ECE, NIT Trichy addressed the participants on different days. Principal, Dr D Srinivasan, felicitated the participants. The program was organized by Mrs B Murugeshwari, Head/ECE, Dr M Maheswari, Prof/ECE and co-ordinated by Shri T Muruganantham, Asst head/ECE.

• **ISF** at Dept of ETE, **Karmaveer Adv Baburao Ganpatrao Thakare College of Engineering (KBTCOE), Nashik,** was inaugurated by Shri Nitin Mahajan, GM, Telecom. Dr MD Kokate, Past Chairman, IETE Nashik Sub-Center, Shri Shashikant Bhadane, Hony Tresurer, Sub-Center, Shri NR Mahajan, BSNL graced the event as Guests of Honour along with the Principal-Dr KS Holkar; Dr Vijay Birari, HoD, E&TC; Shri BN Shinde, ISF Coordinator; Shri Sidhant Joshi, President of IETE Student Chapter. Shri Nitin Mahajan in his address expressed his views on "Opportunities in Telecom Sector for Engineers"**.** Shri Shashikant Bhadane spoke about objectives of ISF, while Dr Vijay Birari highlighted the activities of IETE. In his address, Dr KS Holkar urged students to participate in various ISF activities. Vote of thanks was proposed by Shri BN Shinde**.**

• **ISF** at Dept of ECE, **Velalar College of Engineering and Technology, Erode** organized the ISF Inaugural Function on **Jul 19, 2018,** which started with lighting of lamp by the Chief Guest Mr P Thankharaju, Dy GM, Admin & Planning, BSNL, Erode. He spoke on "5G networks in India" that created an innovative spark among students. He further remarked that in 2018, LTE would overtake GSM as the largest access technology by number of subscriptions, at a global level. The speed with which this technology had been rolled out and adopted is unprecedented. VoLTE is available in India only in few pockets. Shri P Senthilkumar, Asst Prof, ISF co-ordinator introduced the office bearers of ISF and the batches were given by the Principal Dr M Jayaraman after his address. Dean academics Prof L Peter Stanley Bebington was felicitated on the occasion. Vote of thanks was proposed by Ms A Anuja.

• An expert lecture by Dr BS Chaurasia on the state-of-art and technology in renewable energy was organized at **ISF,** Dept of ECE, **Acropolis Institute of Technology & Reasearch, Indore,** on **Jul 24, 2018**. The objective was to highlight the importance of renewable energy and about persisting energy crisis in the world, its possible solutions, scope of solar energy sources & different uses. Dr UBS Chandrawat, Head/ECE was the Chief Guest. Ms Mukti Awad was the convener.

• **ISF** unit at **Vidya Academy of Science & Technology (VAST), Trichur,** organized a one week skill development programme for the ECE students in **July 2018**. Various stages in the actual production of LED lamps/ bulbs and LED tubelights including design, etching & fabrication of PCBs, assembling of components, testing and packaging were undertaken by the students and they gained practical experience in this field. The programme was lead by Shri Ramesh C R, AP/ECE, VAST and supported by laboratory staff members.

• **ISF** at **Kongu Engineering College (KEC), Erode,** organized an interaction programme on "Job Opportunities in Government Sectors" on **Jul 27, 2018**. The dignitaries present in the function were Dr V Geetha, Faculty Advisor/ECEA, KEC; Shri K Kavin Kumar, Faculty Advisor/ISF, KEC. The Chief Guest Er Rajaa, Director, Pavithran Competitive Circle, Banglore, briefly explained about the available job opportunities in the government sectors for the students various fields. Later, an interactive session was conducted to clarify the doubts of the student community and they were motivated to take online tests. About 250 participants were present. During an another awareness programme, the invited Chief Guest of the day Shri A Sekar, DSP, Traffic, Erode spoke on "Traffic Rules and opportunities for electronic engineers in police department". Talking on current accidental statistics, he informed that approximately 1,40,000 people lose their lives due to road accidents in India every year out of which 35,000 are youngsters. He strongly advised the students to follow strict rules and regulations on roads to avoid any mishappenings. He distributed pamphlets comprising road safety information in the form of text and poems to all. DSP also narrated the opportunities for the electronics engineers in the police department as Sub-Inspector (Technical). Thiru A Venkatachalam, Correspondent, Prof S Kuppuswami, Principal and Dr G Murugesan, HoD/ECE, KEC were also present.

• **ISF** unit at Dept of ETRX, **Thakur College of Engineering and Technology (TCET), Mumbai,** conducted a seminar on 'Software Automation and Testing' on **Jul 27, 2018** under the guidance of Dr Sandhya Save. Shri Sunil Khatri and Shri Sumit Kumar were involved as the internal faculty members. The Student co-ordinators were Ms Nairuti Mehta and Shri Ashwini Bhorade. Shri Sanket Yadav, Software Tester at L&T Infotech was the key speaker. The main objective was to improve the testing, bug hunting and automation skills of the participants.

• A Workshop on "Electromagnetic Tool for Antenna Design: An Introduction" was conducted by the **ISF** unit at Dept of EE of **Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat,** jointly with IEEE - AP/MTT Joint Chapter Gujarat with Entuple Technologies on **Jul 28-Aug 4, 2018**. It was divided in two parts, viz., Theory session and Designing session on software. The first day theoretical aspects were covered by experts from SAC-ISRO, Ahmedabad. Dr VK Singh, Scientist /Engineer–SF, Dr Ramesh Chandra Gupta, Scientist /Engineer–SF, Shri Arun Sharma, Scientist/Engineer–SF and Shri Nishant Jaiswal, Scientist/Engineer, SAC. The programme content was for BTech Final Year students, MTech (I &II year students) and PhD Scholars. Next day hand on session on HFSS was organised by expert Shri Kush Parikh, Entuple Technologies, Bangalore. Both the sessions were well received and well attended.

64th (2017-18) Annual General Meeting – Notice

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THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

2, Institutional Area, Lodi Road, New Delhi 110 003

Prof (Dr) K T V Reddy   **Lt Col Dipankar Sen (Retd)**
President   **Secretary General**

Ref: IETE/322/64th AGM/2018   **31st Aug 2018**

To

All Corporate Members of IETE

64th (2017-18) ANNUAL GENERAL MEETING

Dear Sir/Madam,

NOTICE is hereby given for the 64th (2017-18) Annual General Meeting of the Institution, which will be held at 1630 hrs on 28th Sept 2018 at Hotel The Grand Mehfil, Amravati - 444605.

You are requested to make it convenient to participate in the 64th (2017-18) Annual General Meeting.

Thanking you,

Yours faithfully

Lt Col Dipankar Sen (Retd)
Secretary General

A G E N D A

ITEM 1   TO CONFIRM THE MINUTES OF THE 63rd (2016-17) ANNUAL GENERAL MEETING HELD ON 16th SEPTEMBER 2017 AT HOTEL HOLIDAY INN, COCHIN - 682028.

The Minutes are available on our website www.iete.org. No comments have been received. The Minutes may be confirmed.

ITEM 2   TO CONSIDER AND ADOPT THE 64TH ANNUAL REPORT OF THE GOVERNING COUNCIL FOR THE YEAR 2017-18.

The 64th Annual Report shall be available on our website www.iete.org, shortly.

ITEM 3   TO CONSIDER AND ADOPT THE AUDITED BALANCE SHEET AND INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31 MAR 2018.

The Audited Statement of Accounts for the year 2017-18 will be part of 64th Annual Report which shall be uploaded shortly on our website www.iete.org.

ITEM 4   ANY OTHER MATTER WITH THE PERMISSION OF THE CHAIR

Any other point, to be taken up at the meeting in accordance with Byelaw 70,may please be sent to reach the HQ Secretariat by 21st September 2018.

Technology News Snippets

- DoT irked with mobile carriers for resisting 5G: Senior DoT officials say that while the government is working on developing 5G standards, it feels that telcos are not keen on an early push on the new technology wave.
- **DoT seeks legal view on spectrum dues from Idea:** *The legal opinion is sought around the demand for one-time spectrum charges (OTSC) on airwaves that were given administratively, and not through auctions.*
- **Govt boost to manufacturers, eases import of used machinery :** *Indian Cellular Association (ICA) had highlighted the import issue for such capital machinery faced by various manufacturers and brands to promote mobile handset manufacturing.*
- Idea completes VoLTE roll out across 20 4G circles : Mumbai-based Idea Cellular, as a part of launch, is also giving 30 GB free data to its VoLTE users across operating service areas.
- Motorola gets patent for foldable smartphone: Notably, Motorola's parent company Lenovo started working on foldable device prototypes before anyone else.
- *BSNL comes up with two new schemes : On availability of 4G network of BSNL in the city, their official said that the required equipment have been ordered and the vendors are waiting for the spectrum allotment.*
- *Top US court to rule in Apple case over app monopoly : The case could impact the multibillion-dollar app ecosystem, and efforts by companies like Apple to establish a so-called "walled garden" for software on their devices.*
- *China's Xiaomi cuts valuation to $55 billion-$70 billion – sources : The new valuation is far below the $100 billion valuation touted by sources earlier this year.*
- *Android Messages apes WhatsApp with this new addition : The web support for Android Messages is compatible with Chrome, Firefox, Safari, and Edge.*
- *EU sees signs of improvement after Google antitrust shopping case : Google could face fines up to 5 percent of its average daily worldwide turnover if it fails to comply with the EU order to create a more level playing field.*

Courtesy - ET Telecom

Announcement

61st Annual IETE Convention - 2018 (AIC 2K18) on
"Smart Engineering for Sustainable Development (SEFSD)"

On the 29th and 30th Sept 2018, IETE will host its 61st Annual Technical Convention **"Smart Engineering for Sustainable Development (SEFSD)",** at Prof Ram Meghe Institute of Technology and Research, Badnera – Amravati (MS).

The event is being organized under the aegis of IETE Amravati Centre with support from all the team members. The Convention will be preceded by one- day students' session, including academic awards distribution and Annual General Meeting of the Institution. Next two days of the Convention will focus on providing a forum for researchers, technologists and professionals to exchange new ideas, concepts, knowledge and contributions in the form of papers, panel discussions on smart engineering solutions and frontier technologies. It will bring together the scientific community to discuss the current status, challenges, standards, fundamental issues, and future services & applications that helps in co-existence of smart engineering and sustainable development.

Technical sessions would include talks/ keynote addresses on the related topics of the theme, viz. Artificial Intelligence; Machine Learning; Machine Intelligence; Big Data; Data Analysis for Rural Development; Data Science and its use for nation building; Automation and Robotic; Smart Factories; Internet of Things; IoT in Defence Products; IoT in Agriculture for farmer support; Topics in Impact of Automation on Society and Social Networking for Nation Building.

The **Chief Guest** of the function **Hon'ble Shri Nitin ji Gadkari**, Union Minister for Road Transport and Highways, Shipping, Water Resources and River development is expected to grace the event with his presence. Participants at the Convention include prestigious speakers. Significant coverage by local and major national news organizations is expected.

For further details please contact IETE, 2, Institutional Area, Lodi Road, New Delhi – 110 003

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