FROM PRESIDENT'S DESK

Dear Members,

I would like to take this opportunity to recognize the dedication, commitment and hard work of the members that have markedly contributed to the success of IETE. I am sanguine that the present Governing Council and Executive Committees of Centres, in keeping with the momentum, will work in unison and ensure that IETE remains a viable organization for our young professionals, in the overall interest of national growth.

During my first few months as President, I have visited some of the IETE Centres and interacted with their Executive Committees Corporate and Institutional Members. Everywhere I found an overwhelming enthusiasm and support for the role played by the Institution for promoting advancement in engineering. I am often asked by the members about the state of IETE. My response has been that the Institution continues to focus on the founding principles- to promote electronics & telecommunication engineering as a profession and impart quality education to our students. However, IETE is in a state of change, not from the perspective of its founding principles but from the perspective of how the institution serves its fraternity better.

We have had meetings with the Union HRD Minister Shri Prakash Javadekar and Chairman AICTE, Prof Anil D Sahasrabudhe and have apprised them of the difficulties faced by our students and the institution due to the unjustified action of the govt in withdrawing recognition to our certifications post May 2013. The Chairman AICTE intimated that a Committee is being formed to give recommendations regarding Institutions such as ours. I shall keep you informed of further developments in this regard.

We need to enhance our membership & visibility. I hope that our Centres continue to provide the right services to meet the needs of existing members and to attract and engage new members across their region. You are aware of the Digital India initiative of our govt. We can contribute immensely to practically every pillar of this initiative. Our Centres have a big role to play in this through their network of Organizational Members and Student Forums.

I also encourage members, new as well as seasoned, to share their views, experience or expertise by submitting articles related to our profession in IETE Newsletter(short & informative with half a page length) and also persuade our members to send news related to their professional achievements, honours, awards, which enhances the image of IETE.

On behalf of the Governing Council and IETE Secretariat, I convey my good wishes to you in all your endeavours and let us all rededicate ourselves to the growth and prestige of our beloved Institution- IETE.

Wishing a very Happy New Year to the entire IETE fraternity.

Jai Hind!

Lt Gen (Dr) AKS Chandele
PVSM, AVSM (Retd)

CONTENTS

IETE HQs, New Delhi

News from Headquarters

IETE 59th Annual Technical Convention (ATC) – 2016

The 59th ATC of the Institution was held on 24-25 Sep 2016 on the theme -'*Make in India-Product Design/IPR in ICTs.*' It dwelled on the challenges and pragmatic solutions for product designs, manufacturing of products under Make in India, enabling business action on sustainable goals, systemic trends of data, technology and innovations and IPR Issues including legal framework.

The inaugural session was graced by **Padma Shri - Shri A S Kiran Kumar,** Chairman Space Commission, Secretary, Dept of Space and Chairman ISRO as the Chief Guest and **Padma Bhushan - Shri Kris GopalaKrishnan,** Chairman, Axilor Ventures & Co-Founder Infosys, as the Guest of Honour**.** The other dignitaries present on the occasion were**: Smt Smriti Dagur**, President IETE; **Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd)**, Distinguished Fellow & President Elect; **Prof (Dr) KTV Reddy**, Chairman, Technical Programmes & Publicity Committee (TPPC) and **Maj Gen P K Jaggia, VSM (Retd)**, Secretary General IETE, members of the Governing Council, Past Presidents, Distinguished Fellows of IETE, members from IETE Centres, delegates, awardees, special invitees , students and members from the media.

The inaugural session included conferment of **Honorary Fellowship (2015-16)** of the Institution on **Shri A S Kiran Kumar** and **Shri Kris Gopalakrishnan; IETE Life Time Achievement Award (2015-16)** on **Col B K Rai (Retd)**, DFIETE & Past President IETE as well as **Prof (Dr) R K Arora**, Former Prof, IIT Delhi, DFIETE & Past President IETE; and **Distinguished Fellowship (2015-16)** on **Dr Pawan Kapur**, Former Director (CSIR-CSIO), Chandigarh and **Wg Cdr D N Misra (Retd)**, Past Vice-President, IETE.

Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd), DFIETE was formally installed as President, IETE by the Chief Guest.

The Best Centre Awards for the year 2015-16 were presented to **IETE Amravati Centre** (1st position) and **IETE Ahmedabad Centre** (2nd position). IETE Annual Award Ceremony was also held on the occasion. The Chief Guest gave away the awards to the recipients. Later the dignitaries released a souvenir on the occasion.

The inaugural session also featured the **48th Bhabha Memorial Lecture** on "**India in Space**" by **Shri A S Kiran Kumar**, Chairman Space Commission, Secretary, Dept of Space and Chairman, ISRO. Presenting the country's achievements in the space mission, he highlighted India's launch of 81 satellites in the solar orbit and of having 55 numbers of launch vehicles in its fleet. He further informed that India had so far helped launch 74 satellites of 21 different countries from its launch vehicles. He showcased nation's successful entry into Mars in its first attempt itself. He also highlighted the future plan of his organization for launching Chandrayan I & II in coming two years and its exploring the use of the space based technology to solve various problems of society. The inaugural session ended with vote of thanks by **Maj Gen P K Jaggia**, **VSM (Retd),** Secretary General, IETE.

President IETE being installed by the Chief Guest

The technical convention held in four sessions was spread over two days. The **Session-I** was on "**Legal Issues related to IPR**" chaired by **Dr Vipin Tyagi**, Exec Dir, C-DoT, who mentioned about the importance of Intellectual Property Right (IPR) in the present era where most of the research was being carried out in cut-copy-paste format and lack of awareness among the people about patents and trade secrets. The invited speakers in the session were: **Dr Sudhir Kamath,** MTR&DC, DRDO, Bangalore, who spoke on **"Development of Microwave Power Modules for Defence Applications".** He suggested integration of solid state and tube based amplifiers for high efficiency for use of this technology in radar and datalink applications. However, he pointed out the underlying challenges such as limited Indian campaigns, high

competition due to strategic pricing, non availability of skilled manpower, limited export potential and dependency on raw material & critical components. **Dr Laxmi,** C-DoT, spoke on **"Patent and IPR legal issues"**, wherein she explained about what can and cannot be patented. She explained the procedure to file patent in India with the policies on copyright and trade secrets. **Shri Abhinav Bhalla**, Advocate and Registered Indian Patent Agent, dwelt on **"Legal Issues related to IPR, Patent and Copyright"**, giving examples of building brand value, which promotes goodwill of the organization, and was considered more important than the wealth to gain market value of its shares. He touched upon types of intellectual properties (IP). He also gave example of IP rights in mobile phone and shared useful information about the commercialization of intellectual property.

The **Session-II** - **"Make in India in Start Ups and Innovative Products and Marketability"**, was chaired by **Shri N K Mohapatra**, CEO, ESSCI. In this session the speakers touched upon subjects like **"Realization of Small Satellites with Indian Industry Collaboration; "Research Trends & Technology Innovations in ICT-Drivers for 'Make in India'."** Enforcing the initiative of Digital India and Make in India, **Dr J K Kishore** recommended industries to establish a dedicated small satellite manufacturing complex, for which ISRO can provide consultancy/training & hand-holding in the initial phase. **Dr M H Kori** talked about the **"Research Trends and Technology Innovations in ICT- Drivers for Make in India.** He dwelt on Non Orthogonal Multiple Access, Massive MIMO, Probabilistic Constellation Shaping, mmwave

for mobile communication, Beyond 4G-for IoT and highlighted potential areas for start-ups and some latest innovations.

The **Session-III** was on **"IPRs and Patents for Make in India",** chaired by **Prof K K Aggarwal**, Chancellor, K R Mangalam University, DFIETE & Past President of IETE. He stressed upon improving the quality of engineers produced to make the mission of 'Make in India' a success in real sense. This session dealt with the interesting talks like "**Converting Unemployment into Entrepreneurship through Make in India"** by **Shri S N Gupta**, Country MD, Bluetown; "**Trans-disciplinary Technical Education & Research-Transforming wisdom into wealth"** by **Dr Pawan Kapur**, Former Director (CSIR-CSIO), Chandigarh and **"IPR and its importance in Research Organization"** by **Shri F A Rajendra N Gaikwad,** SAC, ISRO, Ahmedabad. **Shri S N Gupta** informed about his own Bluetown's rural wi-fi innovations that was based on 5 Ls i.e. Low cost, Low power, Low maintenance, Local content and Local control. He pointed out the need of having multi skilling abilities to ensure a secured job. **Dr Pawan Kapur** highlighted emerging technologies and directions in technical education and research and also narrated the success story of Indian tele-medicine sector. **Shri F A Rajendra N Gaikwad** expressed his views on IPR and its importance in the research organizations.

The **Session IV** was devoted to **"Massive Online Courses, Bandwidth Optimization and utilization Using Modern ICT",** chaired by **Prof (Dr) R K Arora**, Former Professor, IIT, Delhi, DFIETE and Past President IETE. In this session the use of ICTs in areas like education for all, utilization of

bandwidth was discussed and elaborated upon. The speakers and their talks in the session were: **Col Sidharth Shukla** on **"Bandwidth Optimization in LTE Networks"**; **Dr Narendra Kohli** on **"Telemedicine as a means of Employment and Skill Development in Youth of Rural India"** and **Col Mahesh Khera (Retd)** on **"Massive Online Courses, Bandwidth Optimization and Utilization Using Modern ICT"**. **Col Sidharth Shukla** informed about how user base was increasing in an exponential rate for cellular networks, and the existing 3G networks inability to handle data plus video centric user services whereas LTE networks were capable to handle such requirements and the users' shift to LTE. He said priority based traffic scheduling algorithm was imminent to optimize network bandwidth and improve throughput of future LTE networks during overloaded traffic scenarios. **Dr Narendra Kohli** talked about importance of telemedicine in rural areas, limitation of infrastructure, non-presence of large scale providers and funding agencies. He informed about Village Level Entrepreneurs (VLE's) that are giving birth to new telemedicine clinics. **Col Mahesh Khera (Retd)** gave a presentation on ICT based online education system, mentioning India's Gross Enrolment Rate (GER) of 12.6% which is lower than ASEAN countries, much below than the developed countries having GER of 50%. He emphasized that online education system can do miracles in improving the GER. He presented a system developed by him with details available on www.mysaraswati.com, which is already in place.

The second day's technical session commenced with **39th Ram Lal Wadhwa Award lecture**, which was delivered by **Prof (Dr) Debatosh Guha**, Institute of Radio Physics and Electronics, University of Calcutta. The subject of his talk was **"New Techniques Leading to Next Generation Planar Antennas"**. During his address he pointed out some new techniques, that have been developed in the recent years and find potential applications in designing advanced antennas using printed circuit technology. These include both microstrip and dielectric resonators as the antenna elements and the technique involves deliberately created defects on the ground plane, termed as Defected Ground Structure or more popularly 'DGS'. He said that this specifically implies a single or a limited number of defects on the ground plane as has been familiar to microwave community for a long time, although their application to antenna engineering is relatively new.

The ATC 2016 concluded with **valedictory session** chaired by **Prof (Dr) M Jagadesh Kumar**, Vice-Chancellor, Jawaharlal Nehru University (JNU) & Member UGC. The other dignitaries present in this session were: Smt Smriti Dagur, Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd), Prof (Dr) R K Arora, Prof (Dr) KTV Reddy, Prof (Dr) J W Bakal, and Maj Gen P K Jaggia, VSM (Retd). The concluding remarks and summing up was presented by the members.

In the evening an entertainment programme was organized which included a show by the sand artist **Col Ronnie Chhibber (Retd)** and a cultural programme by the **students of KIIT College of Engg, Gurgaon**.

IETE celebrates its 63rd Foundation Day

on the theme "Cyber Security – Threats and Imperatives"

The Institution of Electronics and Telecommunication Engineers, whose foundation stone was laid by **Dr S Radhakrishnan**, the then Vice-President of India on 2nd Nov 1953, celebrated its 63rd Foundation Day on Nov 02, 2016. IETE is one of the earliest institutions to be established in the country in the domain of electronics & telecommunications and since then it has grown steadily to its present stature. The theme chosen for the celebration was "**Cyber Security – Threats and Imperatives".** The Chief Guest of the event was **Lt Gen Aditya Singh, PVSM, AVSM & Bar (Retd), former Army Commander. President IETE, Lt Gen (Dr) AKS Chandele**, PVSM, AVSM (Retd) initiated the proceedings by delivering an overview of the theme. He highlighted the importance which the field of cyber security has assumed today and how IETE could play a vital role in educating the students and young IT professionals in this area of national importance. **Lt Gen (Dr) Rajesh Pant, PVSM, AVSM, VSM (Retd)** delivered his thoughts on the topic "C**yber Security– Need for Holistic Health**" through a candid presentation. He expressed his message while drawing an analogy between virus function in humans as well as the cyber world. He said even the anti-virus mechanism works similarly in both the cases but still both fall prey to sicknesses/ productivity losses. According to him solution was in holistic thinking and approach. Just as our Indian wisdom teaches us to use mind, body and spirit for the holistic health, same way trishakti in the cyber world, he says is - people, process and technology. He recommended setting up cyber security metrics as one of answers for meeting cyber challenges. **Dr Anup Giridhar,** CEO-Founder, Sedulity Solutions & Technologies, gave a powerful wakeup call to the perils of the cyber world by citing some common cyber threats. He was of the view that these challenges would affect how we treat risk and security in the times to come. He suggested all to be the part of the solution by leveraging network embedded and end-point securities solutions with innovative thinking. **Shri Devesh Chandra Srivastava,** IPS, Executive Director- Chief Security, ONGC, deliberated on what, who, why of cyber attacks and how data breaches take place. The best practices to be adopted according to him were-to exercise caution while visiting links on web pages; education awareness and user training; installation of anti-virus; to up-date patches and signatures from time to time; use of genuine operating systems and software; downloading applications from the trusted sources; not to follow unsolicited web links or attachments in email messages; not to visit untrusted websites. Thus, awareness was the keyword according to him. The Chief Guest **Lt Gen Aditya Singh** expounded on the threats and imperatives of cyber security. He talked about the phenomenal rate & pace change in this domain in last two decades. He said country like China has its own operating system, has biggest manpower assets for cyber security but India is lagging behind. However, we have to accept threats and find solutions. He cautioned that real cyber terror is yet to be faced by the country and warned of more cyber espionages cases in future and expressed his worries on the nexus of China and Pakistan. The 10 point action plan to counter threats, according to him were : creation of awareness; working in tandem with the stake holders; cyber-warriors for job creations; cyber warfare and training; R&D for cyber security; financial security & support; security assessment and idea of vulnerabilities; protection of social network and international cooperation.

A few distinguished senior members of the Institution were thereafter honoured by the Chief Guest. These were: **Shri V P Chandan** (F-028073); **Shri P L Rishi** (F-025014); **Shri N K Mathur** (F-057995) and **Shri Satya Pal** (F-000785).

22ⁿᵈ Sir J C Bose Memorial Lecture – at IETE Kolkata Centre

This lecture is organized every year on 30ᵗʰ November to commemorate the birth anniversary of Sir J C Bose. This memorial lecture is a fitting tribute to this illustrious and pioneering scientist of India. This year IETE Kolkata Centre organized **22ⁿᵈ Sir J C Bose Memorial Lecture** on **30ᵗʰ Nov 2016**, delivered by **Shri Amitava Roy**, Director, Variable Energy Cyclotron Centre (VECC), Dept of Atomic Energy (DAE). He spoke on "**Variable Energy Cyclotron Centre**". The distinguished dignitaries with him on the dais were:

Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd), President IETE, **Shri S C Rudra**, Chairman Kolkata Centre, **Shri N Mitra**, Hony Secretary and **Prof Anirban Guha**, EC Member. Welcome remarks were given by Shri S C Rudra, who also gave a brief introduction on the life sketch of Sir J C Bose and his contribution in the arena of science, both nationally and internationally. About 86 members including scientists, engineers and professionals attended the function. Vote of thanks was delivered by Shri N Mitra, Hony Secretary of the Centre.

President IETE addressing the audience during 22ⁿᵈ Sir J C Bose Memorial Lecture at Kolkata

Nominated IETE Governing Council Members (2016-17)

Shri Vipin Tyagi (F-120666L) is Executive Director & Chairman of the Board of Centre for Development of Telematics (C-DOT). C-DoT is a Telecom Technology Centre of Govt of India and is engaged in development of various projects at the frontier of Telecom technology in the areas of Optical Communications, Next Generation Networks and Wireless Technologies. C-DOT is also playing important roles in 'Make in India' and 'Digital India' programs launched by Govt of India, Dept of Telecommunications. Shri Tyagi is an innovation and business leader from information technology and telecommunication industry for over 35 years. He has M Tech in Computer Science & Engineering from IIT Delhi and a post graduate diploma in Management. C-DoT has won numerable awards under his leadership. His achievements include: Launch of broadband products developed by C-DOT aimed to enable digital broadband connectivity, that was done by MC&IT at C-DOT, Delhi in July, 2015 during Digital India week; Launch of "GyanSetu" and MAX-NG, C-DOT's Next Generation Network (NGN) technologies as part of Good Governance Day in Dec 2014 and Inauguration of C-DOT Terabit Router & Fiber to the Desk (FTTD) by MC&IT in October, 2014. He had founded and led a company for 12 years as Board Member and Global CEO. In 2009 he decided to promote National level R&D and joined C-DOT. He is the **IETE Nominated Governing Council Member** for the year **2016-17**.

Shri P S Sundaram (F068730L) is a postgraduate in Engineering from IIT, Madras with 39 years of experience in the electronic media. He had also served AIR & Doordarshan. He has served Broadcast Engineering Consultants India Ltd. as the founder Director and the first CMD. As Director and CEO of Intelivision Limited, he conceptualized, evolved strategy, implemented and launched SPLASH – the Satellite Television Channel exclusively for school going children. Shri P S Sundaram is the Managing Director of Technomedia Solutions Pvt Ltd, which undertakes Consultancy and turn-key jobs in the fields of convergent technologies and IT enabled solutions. Shri Sundaram is the **IETE Nominated Governing Council Member** for the year **2016-17**.

Shri Mahesh Khera (**F-084641L**) has more than 38 years of experience in Telecom, Media and Technology (TMT) and is India and Sri Lanka Chief of Strategy, Business and International Sales for AVG Technologies, Avast Software, US. He is a founder member of Technology and Regulatory Advisory Committee, IETE, member FICCI ICT and Digital Economy Sub Committee on Internet and Social Media and immediate Past President, Broadband India Forum (BIF). He is the founder of KTMT Consulting Private Limited, DINCU Innovations and My Saraswati. His company KTMT has completed more than 110 telecom projects for global investment firms. KTMT has also done a test launch of My Saraswati innovation in on-line, real time, live interactive class room teaching. In 1998, Col Mahesh Khera founded Army Value Added Network (AVAN), later dedicated to nation in 2005 by Hon'ble President of India as Army Wide Area Network (AWAN). His clear vision of separating Army telecom from Defense telecom in 1998 paved the way for launch of Defense Communications Network, DCN, in Jun 2016. Shri Khera is the **IETE Nominated Governing Council Member** for the year **2016-17**.

Ex-Officio IETE Governing Council Member for the year (2016-18)

Shri S C Rudra (F-123893L) is Electrical Engineering graduate and has passed Indian Engineering Services (IES). He retired as Director Engineering from IB(E)S after a long & vast experience in the installation of Broadcast Studio and High Power transmitters both for radio & television in different parts of the country. He selflessly contributed in the administration & management works of AIR and DD. He also undertook number of trainings in the areas of management and technical including training in high power broadcast transmitter from USA and Studio and Acoustic Engineering training from West Germany. After retirement, he joined IETE and served the institution from its Kolkata region. Shri Rudra is a Member of IEI; IIPA, New Delhi & a senior Member of Indian Council of Arbitration; Member BAC of CDAC Kolkata Govt. He has also been re-elected as the Council Member IE(I) for the term 2017-2020. He has formed a new consultancy firm-M/s Syntel Consultancy Pvt Ltd, Kolkata, which deals in installation work of Mobile transmitter, FM transmitter/Antenna installation and measurement etc.

IETE Convocation – 2016

The **9th Convocation** of the **Institution of Electronics and Telecommunication Engineers (IETE)** was held on 4th Dec 2016 at Delton Hall, IETE HQ, New Delhi. This year, five (5) ALCCS and one hundred eighty five (185) AMIETE students participated in the convocation ceremony and received their degree. The Chief Guest **Prof P B Sharma, Vice-Chancellor, Amity University, Gurgaon,** and President IETE, **Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd)** gave away the degrees and awards. The other dignitaries present on the dais during the occasion were: **Shri CK Haridas**, Chairman, Student Affairs Committee; **Prof C Murali**, Co-Chairman, Academic Committee; **Prof (Dr) S K Aggarwal**, Chairman Board of Examination and **Maj Gen P K Jaggia, VSM (Retd),** Secretary General IETE. In his address the Chief Guest talked about the mind boggling advancements that were taking place in the a r e n a

of Science & Technology in electronics, telecommunication & IT domain. This advancement on the technological fronts are creating capabilities for mass entrepreneurship, generating productive employment on the capabilities of modern young generation rolling out from the universities/institutions. He said that the new knowledge age promises of abundance of prosperity alongside happiness in plenty provided man uses science and technology capabilities for the service of mankind and mother nature. He asked the students to continue to ignite their minds, fire their imagination and remain focused on the great opportunities created by ever expanding frontiers of S&T. He also said that the students must treat whole world as one family and practice peace, truthfulness and harmony as non-negotiables.

Sister Society Agreement

A '*Sister Society Agreement*' between **the Institution of Electronics and Telecommunications (IETE)** and the **Institute of Electrical and Electronics Engineers, Inc. (IEEE**) on behalf of its **Microwave Theory and Techniques Society (MTT-S)** was renewed during Asia Pacific Microwave Conference - 2016 on 7th December 2016 at Hotel Pullman, New Delhi. This is in recognition of the similarity of their missions and goals and their long standing record of service to the professional needs in the fields of electrical, electronics and telecommunication engineering. Exchange of conference papers, registration for conferences, subscription to publications, affiliate membership, mutual promotion, provision of speakers and web based instructional modules were some of the activities covered under the Agreement. From IETE side the MoA was signed by **Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd), President IETE** & **Maj Gen P K Jaggia, VSM (Retd), Secretary General, IETE** and from IEEE MTT-S side it was signed by **Prof Ke Wu, President IEEE MTT-Society** and **Dr Dylan Williams, President Elect**. **Prof Shiban K Koul**, IIT Delhi, Organizing Chair of 2016-APMC also graced the occasion.

New Members of IETE enrolled / upgraded during Sep-Dec 2016

MEM	CAT	NAME
500409	AM	ROKDE, PRAJAKTA ANIKET
500410	AM	MOKASHI, MADHURA UDAY
500411	AM	ABIRAMI, M
500412	AM	SHENBAGAVALLI, S
500413	AM	GURU SESHADHRI G R
500414	AM	GAVALI, ASHWINI SUBHASH
500415	AM	GOTHANKAR, SHASHANK Y,
500416	AM	MOHAMED ISMAIL K
500417	AM	NAIR, ANJU S
500418	AM	VIJAY NAGARAJ C T
500419	AM	ARUN KUMAR, R
500420	AM	KIRUTHIKA PRIYA, V
500421	AM	ANGELIN SIMI, J
500422	AM	GULFA RANI, P
500423	AM	BANU PRIYA, A
500424	AM	JAYA NANDHINI, R
500425	AM	CHOUDHURY, RAMYA RANJAN
500426	AM	PRADHAN, ANNAPURNA
122792	F	DINKAR, RAM NARAIN SINGH
123880	F	INGOLE, MANIK JADHAO
123881	F	JOSHI, MADHAVI SUNIL
134813	F	RATNA MANI T, DR
138619	F	JOSHI, ATUL PRABHAKAR
150509	F	VENKATA RAMANA CHARY, G
155663	F	DESHMUKH, SANJAY DASRAO
160431	F	KALANI, NILESH B, DR
177250	F	VYAS, DIVYANG D, DR
208765	F	BHAGYA SHREE, S R
500354	F	RAJAGOPALAN, V
500355	F	MEHTA, SHILPA, DR
500356	F	GUPTA, VINOD KUMAR R, DR
500357	F	KHAN, MD ABDUL MUQSIT, DR
500358	F	SAMAL, ABHAYA KUMAR, DR
500359	F	DINESH PRASAD, DR
500360	F	JOGLEKAR, JYOTI VISHNU, DR
500361	F	KET, SATISH YASHWANT, DR
500362	F	SAWARKAR, KISHOR GULABRAO
500363	F	BHOYAR, SATISH RAMDASJI,
500364	F	CHAME, NIVRATTI SAMBHAJI
500365	F	REPAL, SANJNA SATISH
500366	F	JAYASWAL, RAJESH, BRIG
500367	F	KOTHARI, DWARKADAS, DR

MEM	CAT	NAME
500368	F	PRINCE J D
500369	F	MAHAPATRA, SAKUNTALA, DR
500370	F	RAMDAS, ANAND
500371	F	BHATTACHARYA, S. , (DR)PROF
113957	M	BHASIN, RAHUL
208896	M	SAMSON, JIM HAWKINSON
500372	M	SHANKARAPPA
500373	M	SUTAR, SURENDRA TUKARAM
500374	M	KULKARNI, SHRIPAD V
500375	M	MAHAJAN, JAYANT R
500376	M	SONAR, POONAM NIRAJ
500377	M	SRIVASTAVA, SATISH KUMAR
500378	M	IYER, BRIJESH R, DR
500379	M	SHARMA, SARVESH KUMAR
500380	M	DUBEY, DEEPIKA
500381	M	SAKHAMURI, SURYA NARAYANA
500382	M	SREENIVASA RAO, K
500383	M	RAVISANKAR, J
500384	M	SUNEETHA, C
500385	M	PRADEEP, G, DR
500386	M	ARULMURUGAN, A
500387	M	YENPURE, KASHINATH S
500388	M	OJHA, NIRMAL KUMAR
500389	M	GUPTA, USHA ANKIT
500390	M	GANORKAR, ANKUR MOHAN
500391	M	DAVE, PIYUSH NARENDRA
500392	M	PRAMOD K B
500393	M	SANGALE, ARVIND RAGHUNATH
500394	M	KASSA, SANKIT RAMKRISHNA
500395	M	BALUR, NAZAHAT JAHAN
500396	M	TYAGI, TRILOK KUMAR
500397	M	SUDHANSHU KUMAR
500398	M	SENTHAMILSELVI, G
500399	M	RAMACHANDRAN K
500400	M	SWAIN, BISWA RANJAN
500401	M	ROUT, MONALISA
500402	M	KHAN, MD RIZWAN
500403	M	TRIPATHY, SHUVENDRA KUMAR
500404	M	KANOJE, LALIT KUMAR
500405	M	SHAIK, MOHAMMED ALI
500406	M	MAHAKUD, RINA
500407	M	MOHAPATRA, SUMANT KUMAR
500408	M	RAMESH S M, DR
177602	CE	MADHU SUDAN P

MEM	CAT	NAME
500468	AM	PRABHU RAVINDRA R
500469	AM	RAVI CHANDRA B
500470	AM	BOKE, AMOL KASHINATH
500471	AM	SHARMA, SONAM SURESH
500472	AM	BINDU BHAVANI B
500473	AM	ANIL KUMAR U
500474	AM	PRIYA, Y
500475	AM	NAGARAMA BALA C
500476	AM	SUDHEER, K
500477	AM	SUJIT V V N
500478	AM	LAKSHMI NARAYANA J
500479	AM	KADAM, MAHESH TANAJI
500480	AM	PARDESHI, SNEHAL TUSHAR
500481	AM	ADHYAPAK, DIPALI PARAG
500482	AM	KANITKAR, MANASI S
500483	AM	SISODIA, VINOD KUMAR
500484	AM	AGARWAL, ANKIT
500485	AM	GOYAL, HRIDAY
500486	AM	GADEY, LAKSHMANA PRUDHVI
500487	AM	WARARKAR, PRAVIN P
032454	F	ANGADI, SHRISHAIL K, DR
090055	F	SATYANARAYANA, V V
165727	F	NAGARAJAN, V, DR
169609	F	YANAMSHETTI, RAJU, DR
169610	F	PATIL, SIDDARAMA R, DR
170067	F	SRIDHARA K
188720	F	SIDHU, SATVIR SINGH, DR
218841	F	DAS, ARUP
219021	F	SUNITHA, G S, DR
235701	F	KANTA, RAVINDRA
236885	F	SIVARANJANI, P, DR
500427	F	JADHAO, C M, DR
500428	F	AGRAWAL, KRISHAN KUMAR
500429	F	JAMIL, MAJID, DR
500430	F	GEORGE, PRINCE
500431	F	KALURI, VENKATA RANGARAO, PROF
500432	F	VIJAYALAKSHMI K, DR
500433	F	RAMANE, DEEPA VIJAY, DR
500434	F	SRIVASTAVA, PK, AIR VICE MARSHAL
500435	F	RAJESH, R, DR
500436	F	DAS, DIPAK KUMAR
500437	F	PRINCE EDWARD E, DR

MEM	CAT	NAME
500438	F	SEEEHALAKSHMI E, DR
500439	F	SEDANI, BHAVIN SHASHIKANT, DR
161294	M	SUTHAR, URVIL BHARAT BHAI
168770	M	MANJU K R
169306	M	SURESH P
500440	M	VAIDEHI K, DR
500441	M	VIJAYA BASKAR V, DR
500442	M	MAFLIN SHABY S, DR
500443	M	VENKATA RAMANA K, DR
500444	M	ANBU KARUPPUSAMY S, DR
500445	M	JOSHI, NISHEETH, DR
500446	M	RIZVI, IMDAD ALI, DR
500447	M	VYVAHARE, ARATI J, DR
500448	M	MANIKANDAN B
500449	M	PALANDE, SUNIL PANDURANG
500450	M	SATISH KUMAR
500451	M	MOHAMMAD BURAN BASHA
500452	M	BHAMBRI, PANKAJ
500453	M	TEMBHURNE, SANJAY B
500454	M	BHURE, VIPIN S
500455	M	MATHUR, MONIKA
500456	M	JAIN, PRAVEEN KUMAR
500457	M	VIJAY KRISHNA, P
500458	M	GILDA, MUKESH K
500459	M	SHAILAJA, J
500460	M	PADARAJU, POORNIMA
500461	M	SHIDDANAGOUDA F B
500462	M	NARAHARISETTI, V G PRASAD
500463	M	SIVA DURGARAO, P
500464	M	NIRANJIL KUMAR A, DR
500465	M	JEBAKUMAR G R S
500466	M	VERAM, ANAND, SAI
500467	M	JITHIN JOSE KALLADA
G00514	ORG	WALJAT COLLEGE OF APPLIED SCIENCE
G00515	ORG	MARRI LAXMAN REDDY INSTIUTE OF TECHNOLOGY AND MANAGEMENT
G00516	ORG	ER PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING
G00517	ORG	SASI INSTIUTE OF TECHCHNOLOGY & ENGINEERING
G00518	ORG	DR MGR EDUCATIONAL & RESEARCH INSTITUTE UNIVERSITY
106373	CE	NAIDU, V.P.S., DR.

AM = Associate Member   F = Fellow   M= Member   ORG = Organizational Member   CE = Chartered Engineer

New Alumni Association Members-2016

SL NO	MEM NO	NAME
1	AM 224480	Vikash Kumar Jha
2	AM 229990	Debjen Potsangbam
3	AM 226580	Dongonglung Newmei
4	AM 221088	Krishna Chandra Tripathi
5	AM 140938	Dinesh Kumar
6	AM 194179	Imteyaz Khan
7	AM 227561	Kulwinder Kumar
8	AM 185479	Arvind Kumar Singh
9	AM 225002	Raman Kumar
10	AM 202707	Kezia Merin IPE
11	AM 184856	Manoj Kumar Verma

News from Centres/Sub-Centres

IETE Centres/Sub-Centres organized various events during the past four months. **63rd Foundation Day** on the theme **"Cyber Security – Threats and Imperatives"** was one such event covered mostly by all IETE Centres apart from its recurring and sporadic activities/ events.

AHMEDABAD

• The Centre celebrated **Engineer's Day** on 19th Sep 2016 at L D College of Engg, Ahmedabad, on the theme "**Skill development for Young Engineers to reform the core sector: Vision 2015**". **Smt Smriti Dagur**, President IETE, gave an inspiring address to the students and told them to take up challenges in the field of ICT through ISF activities. **Dr G P Vadodaria**, Principal of the College, spoke on the theme of the day. **Prof Usha Neelkanthan,** HoD, EC, highlighted present day challenges for engineers in today's scenario. **Shri V K Jain**, Centre Chairman, honoured the Immdt Past Centre Chairman, **Dr Kishor G Maradia** by presenting Tulsi saplings following 2nd Best Centre Award prize won by the Centre for the year (2015-16). It was attended by about 300 students and faculty members along with IETE members.

• A workshop on "**NavIC and GaGan Applications**" was organized on the same day jointly by SAC/ISRO & LD College of Engg. It was chaired by **Shri Nilesh M Desai**, Dy Dir, SNAA, SAC, Ahmedabad. The Chief Guest **Shri D K Das**, Assoc Director, SAC, Ahmedabad, in his address reinforced the vision of Dr Vikram Sarabhai, the founder of Space programme. He also apprised of IRNSS project and its uses for common man. The speakers **Dr Rajat Acharya**, Scientist and **Shri V K Tank**, Scientist and Head SNTD, SAC, Ahmedabad, delivered lectures on "**GAGAN: Systems and Applications**" and **"NavIC/ IRNSS: Systems and Applications**" respectively. **Shri Nilesh**

IETE Ahmedabad LEC, SAC/ISRO & LDCE Team during the workshop

M Desai, spoke on "**Practical Application and Technology Initiatives by SAC/ ISRO**". The sessions were conducted in parallel on NavIC receiver usage, vehicle tracking with GSAT -6 RT and GSM and tablet based railway information system using NavIC and WLL, by a team of scientists from SAC, Ahmedabad.

• Centre's **Foundation Day** was celebrated on 9th Oct 2016 under the chairmanship of **Shri V K Jain**. The Chief guest on the occasion was **Shri K S Parikh**, DD, SNPA,SAC/ISRO while other eminent dignitaries on the dais with him were: **Prof (Dr) N P Gajjar**, Nirma University and **Smt Smriti Dagur**, Immdt Past President IETE. Dr Gajjar chose to speak on "**Autonomous Vehicle Technology**" and gave details, requirements and need for automatic driving cars and acquainted on how these vehicles with techniques such as Radar, Lidar, GPS, and computer vision, were capable of updating their maps based on sensory inputs to keep the vehicles track of their position even when conditions change or when they enter uncharted environments. The IETE members from INSAT 3DR team engineers of SAC/ ISRO, felicitated were: **Shri K N Mankad, Shri V K Jain, Shri TVS Ram, Shri C N Lal, Shri R M Movalia, Shri C N Joshi, Shri D R Gandhi, Shri Parimal Govani, Shri A B Shukla, Ms Neeta Sheth, Ms Dipti R Patel** and **Ms Pravina.** Shri K N Mankand (Retd) Scientist/Engineer'H', APD INSAT-3DR, GD-SEDA of SAC/ISRO, presented a brief speech & video on INSAT 3DR on the configuration, key features and status of Advanced Weather Satellite INSAT 3DR. The Chief Guest Shri Parikh and Smt Smriti Dagur, Immdt Past President IETE, also inspired everyone through their addresses.

• L D College of Engineering, Ahmedabad, organized a one-week short term training programme (STTP) on "**Recent Advances in RF and Microwave Engineering**" during 21st-25th with the support of Commissionerate of Technical Education(CTE) & IETE, Ahmedabad. It was attended by 45 participants from Polytechnics, Govt Engg Colleges, self-financed institutes and industry persons all over Gujarat. **Prof Usha Neelakantan**, convener and HoD EC, LDCE, delivered

the welcome remarks. **Shri V K Jain**, Centre Chairman motivated all the participants through his address. The Chief Guest, **Dr S B Sharma**, (Retd) Dy Dir ISRO & Dir R&D Indus Univ, shared his profound knowledge on the antennas and encouraged to inculcate the habit of reading. The other prominent speakers from reputed organizations, research and academic institutes such as ISRO, PRL, Reliance Jio, Entuple, DAIICT, NIRMA University, touched upon the latest topics on RF and Microwave Engineering. **Prof JP Vaishnav** and **Prof JV Dave** were the chief guests for the valedictory session. Certificates of participation were distributed to the participants along with a CD containing the study material.

• **Shri R C Garg**, Former Dir, ADRIN, DOS, ISRO graced the event of **63rd IETE Foundation Day** of the Institution as Chief Guest on 19th Nov 2016. The message sent from IETE HQ for the day was read out by the Centre Chairman. The key speakers were: **Shri Vipul Kumra**, who spoke on **"Techniques for real-time Detection and Blocking for the unknown cyber attacks"**, and **Dr Haresh Bhatt,** Head ITND, SAC/ISRO, gave an extempore speech on cyber security from his working experience at SAC–ISRO, offered practical and simple tips for security measures to the participants. Thereafter, **Shri R C Garg** (F-027064), past Office Bearers & EC members of the Centre were felicitated. More than 50 corporate members attended this event.

BANGALORE

The following technical events were organized by the Centre:

13-08-2016: A technical talk by **Sri Vishwanathan**, Former Dir ISRAD-ISRO, Bangalore, on **Advances in Weather Radar Technology** for the benefits of student community and members. **Dr K D Nayak**, Former Distinguished Scientist and DG MED, COS & CS, DRDO, also graced the event as Guest of Honour.

15-8-2016: Chairman, **Sri G Ramesh** hoisted the tricolor flag at the Centre during Independence Day celebration.

10-09-2016: A technical talk was organized on **"Internet of Things (IoT) - An Overview"** by **Prof C Murali**, Zonal Coordinator(South) & Associate Academic Registrar in Faculty of Engineering Technology, MS Ramaiah Univ of Applied

Sciences, Univ House, Bangalore. Chairman, **Shri G Ramesh** presided over the function.

15-09-2016: Engineers' Day was celebrated in association with IMPAS India Chapter & ISRS Bangalore Chapter. **Dr K D Nayak**, Former Dir Gen, DRDO (Microelectronic Devices, Computational Systems and Cyber Security) delivered a talk on **"Strategic Electronics Manufacturing in India"**. Other prominent personalities present were: Dr MH Kori, Shri H Ramakrishna, Prof Jayakumar, Shri SA Kannan, Shri G Ramesh, Centre Chairman and Prof HS Bhatia.

Engineers' Day being celebrated at the Centre

18-9-2016: One workshop on **"Insights into DSP: Theory to Practice"** was organized in association with Dept of EC, MS Ramaiah Institute of Technology, Bangalore. It was attended by Shri G Ramesh, Centre Chairman; Dr Ashok Rao, Former Professor, IISc, Bangalore; Shri Dwivedi, EC Member; Brig Suhaas; M Kulkarni, Controller, CQAL and Shri Raghavendra CG, EC member of the Centre.

21-24 Nov 2016: A 4-day short term course for Industry Engineers was organized on **Mechanical Design for Electronics Products-2016 (MDEP-16)**, held in 16 sessions for the delegates from various Industries like C-DoT, ADA, BEL, Alpha Design, Centrum Electronics and ISRO, Bangalore. **Brig Suhag**, Controller of CQAL, Bangalore, was the chief guest. The course directors were **Sri H Ramakrishna** and **Dr MH Kori** while **Prof HS Bhatia** was the course coordinator.

04-10-2016: A guest lecture by **Dr D C Pande**, Immdt Past Chairman of the Centre, was organised on **EMI/EMC** at ECE Dept. East West IT, Bangalore, for the benefit of ISF students.

08-10-2016: A technical talk on "**Emergence of Additive Layer Manufacturing Techniques for Global Reach**" by **Shri Girish Murthy**, CEO and Shri Thukaram, Counsultant of Vimana Engineering, Bangalore, was organized. The Centre Chairman presided over the function.

28-10-2016: A one-day workshop by **Prof (Dr) DV Manjunatha**, HoD, AIET, Moodbidri, on **Basic Electronics** was arranged at Sambram Institute of Technology, Bangalore, for BE first year students. It was inaugurated by **Sri Satyanandan**, ExecCom Member. Another one-day workshop on the same topic was conducted by **Prof Mohan Kumar**, Sir MVIT, Bangalore, for BE first year students on **10th Nov 2016.**

12-11-2016: IETE Foundation Day was observed with senior members by having a brain storming session on "**IETE Bengaluru Centre -A Road Map of Technical Excellence**", chaired by **Shri H Ramakrishna**, Former Exec-Dir (R&D) BEL, Bengaluru**. Shri G Ramesh**, Centre Chairman,; **AVM AS Murthy (R)**, **Prof C Murali**, VP IETE and **Shri D Rajagopal**, Governing Council Member shared the dais as panelists. **Shri & Smt TC Ramadorai** inaugurated the event. **Wg Cdr H R Parthasarathy (Retd)**, read out the message from the President IETE. About 20 senior fellows/members participated and gave their valuable thoughts and suggestions on the session. An address by **Dr M H Kori**, Chairman IMAPS India Chapter, was on the theme "**Cyber Security Threats and Imperatives**". Six senior members from the Centre were felicitated, these were: **Shri DBN Murthy** (F-002697), **Shri TC Ramadorai** (F-031935), **Shri Venkateshwaralu Nori** (F-000940), **Shri Mendigiri Uday Kumar V** (F-040034), **Shri RS Mundkur** (F-015806) and **Brig GR Mahadevan** (F-060920). Shri Ramadorai showed magnanimity by donating **Rs.50, 000/-** to the Centre, which has been put in a fixed deposit and for future suitable utilization. The honoured senior fellow members shared their life experiences motivating the young students to meet present day professional challenges.

This year Foundation Day celebration also included a lecture by **Dr Prince Edward**, Lecturer in Dept of Electronics, Srikrishna Polytechnic College, Coimbatore on **"IMS based Interworking in Heterogeneous 4G Mobile networks (Wi-Fi-Wi-MAX-LTE)"** the **Prof NV Gadadhar Memorial awardee.** He dwelled on the concepts needed for bringing in the convergence of various wireless technologies into an ALL-Internet Protocol (IP) based heterogeneous mobile network and put forth the challenges that are being faced in research domain through his own research work.

CHANDIGARH

The Centre celebrated **IETE Foundation Day** on the chosen theme on 22nd Dec 2016. **Prof Lalit K Awasthi,** Dir, Dr B R Ambedkar National Institute of Technology (NIT), Jalandhar, was the Chief Guest for the occasion while **Prof (Dr) Maitreyee Dutta,** HoD/ECE, National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh, the Guest of Honour. **Prof R K Sinha**, Director - CSIR-CSIO, Chandigarh & Centre Chairman briefed about IETE and the Centre along with welcome remarks. His address also touched upon the threats and imperatives of cyber security. Shri Surender Singh Saini, Centre Hony Secretary, read out the message of day from President IETE. A number of senior members & students members IETE Centre and ISF , Scientists from CSIR-CSIO, gathered on the occasion. Dr P K Awasthi, Centre Hony Treasurer, proposed the vote of thanks.

CHENNAI

IETE Foundation Day was celebrated at Loyola-ICAM College of Engg and Tech, Nungambakkam, Chennai on **"Cyber Security-Threats and Imperatives"** on 5th Nov 2016. **Shri L R Prakash,** Dir**,** C-DAC Chennai, graced the occasion as Chief Guest. **Dr V Thulasi Bai,** HoD/ECE & Dean Research, KCG College of Technology, Chennai, (Winner of IETE-Technomedia Award for Young Women in Engineering-2016) and **Prof (Dr) Shanthi Prince,** SRM University, Kattankulathur (Winner of IETE CEOT Award – 2016) were felicitated and gave presentations on their awarded works. **Dr Swarna Ravindrababu,** Centre Chairman; **Shri S Ramaswamy,** Past Chairman, and **Dr Sheeba Joice,** Hony Secretary also addressed the audience. Senior members felicitated on the day were: **Shri Sridharan TV** (F-020657) & **Shri Raghavan S** (F-069164).

ERODE

• Sapling plantation drive in association with ECE Dept, was carried out in the premises of the ISF Dhirajlal Gandhi College of Technology (DGCT), Erode, during **Engineer's Day** celebrations. The guests invited were: **Er K Mariappan**, Vice President, TSTIA, Chennai; **Mr F Israel Inbaraj**, Gen Mgr–HR, TCS, Bangalore; **Shri G Kamaraj**, Exec Engr, Corporation, Salem; **Shri R T Aravazhi**, Supdt Engineer, Thermal Power Station, Mettur; **Shri C Gopinath**, R&D

Specialist, NOKIA, Bangalore; **Shri K Pugal**, Chairman, Pugal Associates, Salem; **Dr D Manikandan**, Asst Manager (Lube QC), Indian Oil Corporation, Chennai; **Shri G Venkatesan**, Chief Engineer, Design & Partner, Phoenix Power Electronics, Salem and **Shri V Hariharan**, Manager – Technical & Partner, G5 Switch Gear, Salem. All of them planted saplings in the college premises.

- **63rd IETE Foundation Day** was celebrated on 2nd Nov 2016 by the Centre. **Dr G Murugesan**, Centre Chairman read out the message from President IETE for the day. **Prof S Kuppuswami**, Principal, Kongu Engineering College (KEC), Perundurai, delivered the presidential address. The senior member, **Dr S Arumugam,** (F-058926) was felicitated in recognition for his contribution in the development of technical education and making the Centre achieve the Best ISF Award by organizing technical and non-technical activities for the benefit of ISF Students. A special lecture on "**Computer Networks and Network Security**" was conducted by **Dr P Natesan,** Assoc Prof/CS, KEC, Guest of Honour, during the occasion.

GOA

- The Centre organized a workshop on **"Industrial Automation with Allen-Bradley PLC"** during 4th-5th Aug 2016 at ET Dept, Goa Engineering College (GEC), Goa. The resource faculty **Shri Sandip Mone** took upon various topics like timers, latched outputs, interlocking relating with industrial applications on the first day. Next day advanced instructions like data transfer, sequencer, counter, bit shift master control instructions. Analog input output points were introduced and programming for a particular applications were taught. PlL hardware connections were also demonstrated at the end of the

Participants of workshop - Industrial Automation

session. The workshop was coordinated by Prof & Head **(Dr) H G Virani** and Asst Prof **Devendra Sutar** of ME ETC (Industrial Automation and RF Engineering).

- The Sub-Centre organized another two workshops on **"Image Processing"** and **"Embedded Systems"** in association with the ISF at Agnel Institute of Technology and Design, Assagao, Bardez – Goa on 12th and 13th Aug 2016**.** The resource person for the 1st workshop was **Asstt Prof Mrunal Sawant**, ECE Dept, who covered theory in general and 8051 microprocessor in particular. The students of III & IV year learnt the concepts along with MATLAB software, basics of image processing and tried basic algorithms on images. The resource person for the 2nd workshop was **Prof Larissa Carvalho**, AP/ECE, AITD, who introduced 8051 boards to II Year/ECE students. The enthusiastic students kept trying different codes and debugging the same.

- A one-day workshop on **"Networking with CISCO Devices"** with the resource person **Ms Darshata Naik** was arranged on 30th Sep 2016.

- The **63rd IETE Foundation Day** on "Cyber Security" was organized by the Sub-Centre on 4th Nov 2016. **Shri Rahul Prabhudesai**, Project Manager, Persistent Systems Ltd, the Chief Guest, delivered the keynote address on Big Data, IOT and Cyber Security. He explicated the possible threats to data security, cyber crimes and methods of secure practices, etc. He emphasized on the importance of cyber security in era of Big data and IOT. **Dr K R Pai**, IETE Member, **Dr H G Virani**, Centre Chairman, **Ms Sonia Kuwelkar**, Centre Hony Secretary were the other key members on the dais. The participants included: IETE faculty members from GEC and AITD & IETE student members. **Dr K R Pai (F-055892**) was felicitated as a senior member from Centre on this occasion.

JABALPUR

IETE Jabalpur Centre also celebrated **IETE Foundation Day** on 2nd Nov 2016 with students, execom members and corporate members from the Centre. **Dr Vivek Chandra**, GM & Head (IT), MPPKVVCL, Jabalpur was the Chief Guest on the day while **Er N Vishwakarma**, SE Telecom (Retd), MPEB Jabalpur was the invited as Guest of Honour and the keynote speaker. The message given for the occasion from President IETE was read out by **Er Himanshu Shrivastava**, Centre

Chairman. **Dr Chandra's** address focused on the types of cyber-attacks on computers, networks, programs and shared tips on data protection from such threats and unauthorized accesses. An ISF student member- **Shri Kartik Rathod** also addressed the participants and his address covered the cyber threats from open Wi-Fi network. **Er N Vishwakarma (F-097858),** was felicitated as the senior member from the Centre with a shawl & shrifal for his contributions to the Centre. The function ended with vote of thanks by Dr Shailja Shukla, Centre Hony Secretary IETE Jabalpur.

KANPUR

• The Centre jointly with IE(I) Kanpur Centre, IEEE UP section & INAE, Kanpur Centre, observed **49th Engineers Day** on 15th Sep, 2016 at IIT, Kanpur. The occasion was graced by **Prof AK Chaturvedi**, Dy Dir, IIT Kanpur as the Chief Guest and **Er N Choudhury,** IPS, DIG Police, Kanpur Range, as the Guest of Honour. **Prof Sameer Khandekar,** Dept of ME, IIT, Kanpur, delivered a keynote lecture on the theme **"Skill Development for Young Engineers to reform the Core Sector:Vision 2025".** In the occasion the welcome address was made by **Prof Narendra Kohli**, Centre Past Chairman, whereas the life-sketch of Bharat Ratna- Sir M Visvesvaraya was presented by **Dr S C Srivastava**, Chairman INAE**,** Kanpur Centre. The theme speaker **Prof Sameer Khandekar** pointed out the immense pressure that was on restructuring of the global economy. He highlighted the urgent requirement of skilled manpower in all the major sectors of the country and about the initiatives taken by the Govt across the states to address the major challenges in scaling up disparate skills. About 130 members/ non-members/guests attended this programme.

Engineers' Day celebration at IETE Kanpur Centre

• The Centre observed **63rd IETE Foundation Day** as well on 6th Nov 2016 at the Dr Ambedkar Institute of Technology for Handicapped (AITH), Kanpur. The distinguished guests on

the occasion were: **Prof A K Chaturvedi**, Dy Dir, IIT Kanpur, **Prof DB Shakyavar**, Dir, UPTTI Kanpur **& Prof JP Saini**, Dir, AITH Kanpur. **Prof Sandeep Shukla**, CSE, IIT Kanpur & **Prof Narendra Kohli**, CSE, HBTU Kanpur, addressed the audience as theme speakers. A large number of corporate members from Centre, from different organisations & students of AITH, Kanpur participated in the event.

KATHMANDU

IETE's 63rd Foundation Day but Centre's **30th Foundation Day** was celebrated by arranging one-day seminar on 4th Nov 2016. The event was chaired by, **Shri Mahesh Prasad Adhikari,** Centre Chairman that was organized by the Centre Vice-Chairman, **Shri Keshav Raj Gyawali**. The message from President IETE for the day was read out by the founding Chairman **Shri Suresh Kumar Pudasaini.** The Chief Guest on the occasion was **Shri Digambar Jha, Chairman,** Nepal Telecommunications Authority (NTA), while **Ms Kamini Rajbhandari**, MD of incumbent operator Nepal Telecom **w**as the Guest of Honour. The guests appreciated the activities being conducted by IETE in Nepal and assured their continuous support to the IETE Kathmandu Centre. As a part of the programme, **Shri Bijay Kumar Roy,** IETE Vice Chairman and Dy Dir, NTA, made a presentation on "**Cyber Security:Threats and Imperatives",** while the Centre Chairman highlighted the activities of Centre in academic and professional areas & conduct of future professional development activities/programs for the benefit of their students in collaboration with various professionals.

MHOW

• A two-day function to celebrate **Engineer's Day** was held during 14th-15th Sep 2016 at the Centre. A technical quiz competition for the students of JE(NE) courses was arranged on 14th Sep 2016 in three rounds(question answer round, buzzer round and rapid fire round) played by three teams of three students each. **Loc/Nk Varma Sunil, L/Nk Ramkishan Yadav & L/Nk Rajkumar Singh** of JE (NE) 144 course won the first prize while the other two teams were declared as first and second runner ups. The quiz was conducted by **Major Rahul Kher**, FCE, MCTE, Mhow and vote of thanks was proposed by

Assoc Prof Dr Seema Keshariya, Centre Hony Secy. A debate competition on "**Cyber Security Policy for Indian Army has a positive impact on its functioning and its conduct of operations**" was conducted on 15th Sep 2016 by moderator **Capt Amit Mattalwar** of GEEO 45 course officers courses. **Lt Gokul B** of TES 26 course won the first prize and **Lt Dhruv** of TES 27 course & **Capt Arshdeep Sodhi** of GEEO 45 course, were declared as first and second runner ups. The participants were felicitated with certificates and the winner team with cash prize. **Brig V S Narang**, Centre Chairman, addressed the gathering on both the days.

• A technical quiz competition on the theme: **Cyber Security– Threats and Imperative** was organized on "**Foundation Day**" celebrations for the students of JE (NE) courses on 3rd Dec 2016. It was conducted by **Lt Col B S Sodhi**, FCE, MCTE, Mhow in three rounds(question/ answer round, buzzer round and rapid fire round). A total of five teams of two students each participated in the competition. **L/Nk Md Nishad & L/Nk Sudip Nath** of JE(NE) 145 course, won first prizes and two teams of JE(NE) 144 & 146 respectively were declared the first and second runner ups. The participants were felicitated with certificates and the winner teams were given cash prizes. **Col A S Rathore**, Vice-Chairman, of the Subcentre, addressed the participants that included 14 permanent staff offrs and 135 students of JE(NE) courses. Vote of thanks was proposed by the Centre Hony Secy, **Assoc Prof (Dr) Seema Keshariya**,

NASHIK

A two-day workshop on "**Internet of Things (IOT)**" sponsored by CSI & IETE was organized at Guru Gobind Singh Polytechnic -CSI Chapter, Nashik, on 25-26, Aug 2016. The resource person **Shri Anshu Pandey** covered the content which were beyond syllabus, eg. the use of latest and advanced technologies in computer hardware and software; things about cyber security, social issues and responsibilities relevant to computer science, how to get engaged in life-long learning, and application of new technologies. About 80 members participated. Ms Priti B Kudal coordinated the event, while from student's branch the coordination was by Prof C D Patil. **Dr Apoorva Jakhadi,** Member IETE & CSI, was felicitated during the programme. A competition was also organized

wherein the winners were felicitated.

• The expert talk on "**Cyber Crime Awareness**" was held on 22nd Dec 2016 by Dept of E&TC at Karmaveer Kakasaheb Wagh Institute of Engineering Education & Research (KKWIEER), Nashik, to commemorate the **IETE Foundation Day**. The speaker for the session **Shri Tanmay Dikshit**, a certified ethical hacker, a signature analyst and a certified cyber crime investigator, enlightened the students on cyber crimes, importance and the need for being aware of such frauds. Shri Dikshit threw light on the precautions to be taken during online transactions, as frauds are escalating day-by-day in-line with cashless India initiative. This awareness program was supported by **Shri Ravindrakumar Singhal**, Police Commissioner, Nashik. The session was attended by **Dr D M Chandwadkar**, Centre Chairman & HoD/E&TC; Dr M D Kokate, Past Chairman & Principal; SNJB CoE, Chandwad; Mrs Apurva Jakhadi; Mrs S A Kolhe, HoD GGSP, Nashik; Mrs Bendale, HoD, KK Wagh Arts, Commerce & Science College, Nashik; Dr S S Morade, Centre Hony Secretary and Dr MP Satone. Students participated enthusiastically in the awareness programme.

NOIDA

• A lecture on **Mobile Communication** by **Shri R S Verma** was arranged on 21st Aug 2016 by the Centre. Shri Verma started with the background of the GSM technology which is a standard developed by the European Telecommunications Standards Institute to describe the protocols for second-generation (2G) digital cellular networks used by mobile phones, the speaker informed the launch of technology for mobile services, the statistics of mobile networks using GSM services across countries, GSM representation in all global mobile connections. He mentioned about having more than 2 billion GSM mobile phone users worldwide. He further added that according to GSM World references, China is the largest single GSM market, with more than 370 million users, followed by Russia with 145 million, India with 83 million and the USA with 78 million users. He later on talked about complexities, issues, challenges in mobile communications and its benefits.

• **4th Col IM Chhabra Endowment Lecture** on "**Cyber Security**" was delivered by **Lt Gen (Dr) Rajesh Pant, PVSM,**

Dignitaries on dais during Endowment Lecture

AVSM, VSM (Retd) on 13th Nov 2016 at the Centre. In his address, the speaker highlighted the objective of the topic and said it was all about protecting the interest of those relying on information in the cyber world from the harm resulting from failure of availability, confidentiality and integrity. He mentioned that the security objective can be considered as achieved when the information is disclosed to only those who have the right to know (confidentiality), information is protected against unauthorized changes (integrity), information systems are available and are usable (availability), and transactions are not disputed (non-repudiation and authenticity). Thus, cyber security is a key aspect of e-Governance. According to the speaker, the Indian way of Cyber Security is comparable to holistic health model. The lecture generated a lot of interest among the audience who were interested in knowing more on protections from cyber criminals on financial transactions made through Internet or mobile phones. **Lt Gen PD Bhargava, PVSM, AVSM (Retd)** was the Chief Guest on the occasion, which was attended by around 60 corporate members from centre.

• Another lecture on "**Advent of 5G**" was delivered by **Shri Manjit Singh**, Sr Consultant Telecom, on 27 Nov 2016 at the Centre. Shri Manjit touched upon the journey of mobile generations, that keeps changing approximately every ten years since the first IG system appeared. Later, he elucidated on the 5th generation mobile networks abbreviated as 5G, the proposed next telecommunications standards beyond the current 4G/IMT-Advanced standards. Rather than faster peak Internet connection speeds, he stated that 5G is planning to aim at higher capacity, which will allow higher number of mobile broadband users per area unit, and high consumption of data quantities in

gigabyte per month and user. This would make feasible a large portion of the population to stream high-definition media many hours per day with their mobile devices, when out of reach of wi-fi hotspots. Talking of the Next Generation Mobile Networks Alliance, he said it appears that 5G will be rolled out by 2020 to meet business and consumer demands. The lecture was interesting and attended by 19 corporate members including **Maj Gen PK Jaggia, VSM (Retd)** IETE Secretary General, from HQ, New Delhi.

PALAKKAD

• **IETE Foundation Day** on 2nd Nov 2016 was graced by **Dr K Geetha**, Centre Chairperson, as the Chief Guest. The welcome remarks were given by **Shri M S Ajayan**, Centre Hony Secretary, who also read out the message from President IETE given for the day. The keynote address on "**Cyber Security-Threats and Imperatives**" was made by P**rof C Pradip**, Immdt Past Chairman, while **Shri C K Haridas**, Governing Council Member, spoke on the development and activities of the Centre. A number of senior members from the Centre and students participated. Prizes were given to winners of the competition. The concluding remarks came from Prof S Sujith.

• The International Conference on "**Engineering Technology for Sustainable Development - ICETSD 2K16** " was held on 11th-12th Nov 2016, jointly organized by the Centre and Al-Ameen College of Engineering, Kulappuly. **Dr Ramesh U**, Dir-AICTE, New Delhi, inaugurated the conference and informed the audience about the possibility of joint engg entrance exams that may be held on All India basis in future just like medical entrance exam from 2019, after trial model by AICTE. The Trust Chairman, **Shri C P Ali Baba Haji** presided over the function. Keynote address was delivered by **Shri Premchand**, Unit Head, ITI Palakkad whereas **Shri C K Haridas**, released the conference proceedings. The prominent speakers during the occasion were: **Dr K Geetha**, Principal & Centre Chairperson; **Dr PR Mahadevan Pillai**, Dean Engineering, Calicut University; **Dr S Goshteeswaran** and **Asst Prof Anoop V**.

PUNE

• The Centre organized a technical lecture on "**Optical Wireless Communication-Overview**" by **Prof (Dr) P**

H Patil on 3rd Sep 2016. Prof Patil spoke at length on the Optical Wireless aka Free Space Optics (FSO), which refers to the transmission of modulated light beams through the atmosphere to obtain broadband communication. He stated that due to the development of multistory buildings of residential and commercial complexes, it has become essential to have high speed, license free unlimited bandwidth and secured communication for outdoor & indoor environment. He talked about various applications of FSO communications.

• Another lecture on **"Robotic Vehicles"** was organized on 8th Sep 2016 by **Shri Tanmoy Sinha**, who has the credit of winning a special prize in Innovation at the Techfest at IIT Mumbai.

• **63rd IETE Foundation Day** celebration on 5th Nov 2016 at the Centre saw the Chief Guest, **Advocate Vaishali Bhagwat**, speaking on "**Cyber Security threats & imperatives**". **Shri G K Dawara**, Centre Chairman greeted all the participants, about 41 in number. The message sent by President IETE HQ was read out by Prof (Dr) PH Patil on the day. The highlight of the programme was the felicitations bestowed on two senior members of the Centre for their yeomen service to the institution. **Gp Capt H Kaushal,** VSM (Retd) (F-041858) and **Shri Shrinivas N Sardesai** (F-192483).

• IETE Pune Centre sponsored a programme organized by Vijnana Bharati, Pune– widely recognized as a movement for swadeshi sciences and movement with swadeshi spirit, the **158th birth anniversary of Sir J C Bose** at MIT campus on 30th Nov, 2016. Padmabhushan **Dr Vijay Bhatakar,** presided over the function**.** The main speaker for the program was **Dr Swam Kani Ghosh,** Director, NCRA. The primary objective of this program was to inspire the students and tell them that research and innovation need no sophisticated gadgets or instruments and illuminate theme about the multifaceted personality of Sir J C Bose, who in spite of paucity of funds or facilities went ahead and gave the world a host of scientific findings.

• A free workshop in association with Indus Core Education Foundation, Pune, was conducted on "**How to transact cashless"** for housewives and senior citizens on 18th, 20th &

22nd Dec 2016 by **Shri Atul Joshi**, President Owner, Indus Aviation Systems LLP. He taught the dos and don'ts of financial transactions, like meaning of UPI, use of paytm, debit cards, writing of cheques etc. It was well received by the participants.

RAJKOT

The Centre observed the **63rd IETE Foundation Day** on 6th Nov 2016 by holding technical lectures on the theme **"Cyber Security"** by **Ms Rasmi Gandhi**, AP/MCA, Sun Shine College and **Mr Bassam Ali**, Yemen, Phd Scholar/CS, Saurashtra University Rajkot. The audience interacted with the experts and had live discussions. The welcome address was delivered by **Er CM Devani**, Past Centre Chairman. IETE President message for the day was read out by Shri S M Suchday, ECM of the Centre. Other eminent IETE members present during the event were: Er Bhardwaj, Dy Dir Doordarshan; Capt M G Purohit; Shri V M Patwari, Shri R C Lalani IETE Member & Industrialist; Shri H S Goswami and Shri N M Tank. The vote of thanks was given by Dr Atul Gonsai, Hony Treasurer of the Centre, as concluding address.

SHIMOGA

• The IETE Centre in association with the Dept of ECE & TE, of ISF Jawaharlal Nehru National College of Engineering, Shimoga, organized a three-day **National Workshop on Cryptology (NWC) - 2016** during 11-13 Aug 2016. Cryptology an art & science of securing data over the network, finds application in security in all e-transactions like online money transfer, e-commerce applications, aadhaar card authentication, military applications etc. He emphasized the essentiality of strong research backbone to meet such demands. This workshop provided the platform to researchers & professionals working in the area. The workshop was inaugurated by **Prof (Dr) C E Venimadhaven (Retd)**, IISc, Bangalore. **Shri A S Vishwanatha**, President, NES, Shimoga and **Shri H M Mallappa**, Secretary, NES, Shimoga, were the guests of honour. A souvenir and the CD containing NWC 2016 Proceedings were released during this occasion. Eleven resource persons, from IISc Bangalore, IIIT Hyderabad, IIIT Delhi, ISI Kolkata, NIT Goa, delivered lectures during the workshop which was

organized jointly by Cryptology Research Society of India and IETE Shimoga Centre. The Central Government organizations like DRDO, New Delhi, NBHM, Mumbai and R C Bose Center for Cryptography and Security, ISI, Kolkata provided financial assistance to the workshop.

NWC 2016 Proceedings being released during this occasion

• A two-day workshop on **"Electronics, Electricals and Lasers"** for SSLC students was organized under the auspices of the IETE Shimoga Centre and JNNCE, Shimoga, during 20th-21st Aug 2016. It was inaugurated by **Dr H R Mahadevaswamy,** Principal, JNNCE & EC member of the Centre. **Prof H K Harish**, Chairman, Dr P Manjunatha, Hony Secretary and Prof S R Ashwini, Hony Treasurer of the Centre also graced the dais. This workshop gave an in-depth exposure to students on topics like LASERs and its applications, house-hold electrical wirings, working of domestic electrical appliances, electric motors, radio, TV and other communication equipments. The students were given hands on experience on all these equipments. About 250 students from 20 high schools of Shimoga Dist along with their teachers participated in this workshop.

SIVAKASI

Commemorating the **63rd IETE Foundation Day** at MepcoSchlenk Engg College Campus, Sivakasi, on 7th Nov 2016, Mrs R Ahila Priyadharshini, Hony Secretary of the Centre, welcomed the gathering. Dr D Selvathi, Immdt Past Chairperson, highlighted the importance of Cyber Security and its need in digital India, in her address. **Prof G Prema**, Centre Chairperson, read out the message from President IETE. **Dr Kannan Balasubramanian,** Prof/CSE, speaking on the cyber security issues, narrated various attacks in computer networks and pointed out the counter-measures that people should know

in such circumstances. An award of achievement was presented to ISFs those who enrolled maximum members during the academic year 2015-16. The first award went to ISF of **Mepco Schlenk Engineering College, Sivakasi** with ISF membership of 482 and second place went to ISF of **Kamaraj College of Engineering & Technology, Virudhunagar,** obtaining ISF membership of 409. Mrs W Sylvia Lilly Jebarani, Centre Hony Treasurer, proposed the vote of thanks.

TIRUPATI

The Center celebrated **Foundation Day** on 2nd Nov 2016, graced by **Prof V Durga Bhavani**, Vice-Chancellor, Sri Padmavathi Mahila Viswa Vidyalayam, Tirupati, as the Chief Guest. **Dr TVC Sarma**, Chairman IETE Tirupati Centre, presided over the function. Shri T Rajendra Prasad, Hony Secretary, presented the background of the Centre with its current & future activities. **Prof Bhavani** outlined the need for more awareness on the issue of cyber security especially the women who are easy target of malicious attacks and exploitation. Students were apprised of the behavioral etiquette to be followed in cyberspace. Personal safety was emphasized along with financial and business security in the cyber domain. **Shri PVS Hari Muralidhar**, COO, 7inQ, and Dir, ZIS Pvt Ltd., Tirupati, touched upon the theme through a topic **"Are we ready for Cyber Warfare?"** He introduced salient aspects of cyber warfare and its relevance to nations, corporate entities, organizations and individuals. The impact of cyber warfare on socioeconomic affairs viz., the big banks, stock exchanges, multinational corporations etc. was presented. The speaker stressed on India's need for a strong cyber security net at Centre & State levels. Other members presented were: Prof N Padmaja, Hony Treasurer; Prof M Krishnaiah, EC member and HoD/ Physics, SPMVV, Shri A Subba Rao and students and faculty members of various engineering colleges and scientists from NARL. The vote of thanks was proposed by Prof Krishnaiah,

VADODARA

As part of the technical lecture series on contemporary issues, the Centre organized a technical lecture on "**Informaion Security Awareness Program"** by **Shri Chetan Shah**, DGM-

IT, L&T Technology Services on 17th Sep 2016. He is also the Chairman, CSI, Vadodara Chapter. Members of IETE, CSI and ISTD were specially invited to encourage and foster partnership with other professional societies. The lecture was open for all. The concepts as to how information security can be preserved through confidentiality, integrity and availability were explained. The techniques of evaluating information, types of threats, mechanisms to protect the systems, paradigm shift of intensions for creating viruses, levels of security to be implemented in organizations, were taken up. The lecture evoked very good response from the participants and led to an fruitful discussion at the end of the lecture. **Shri Naresh Kumar Garg,** Immdt Centre Past Chairman, proposed the vote of thanks.

• During the celebrations of **63rd IETE Foundation Day** on 3rd Dec 2016 at the Centre Dr Mamta C Padole, Hony Secretary welcomed all the dignitaries & guests. **Shri Tushar Kher**, Centre Chairman, briefed the audience on the theme of the celebration and read out the message from President, IETE. Senior member, **Wg Cdr (Retd) S R Vasavada** (F-006960) was felicitated by Prof (Dr) S M Joshi during the event. The recipient shared his experiences and & journey with IETE on the occasion. A talk by **Mrs Vibha Naik**, GM, Information Technology, Linde Engineering India Pvt Ltd, was organized on **"Cloud Computing and Cyber Security".** She dwelled on the fundamental concepts of cloud computing, service model of cloud, security in cloud, key aspects to manage security in cloud and the audit processes. She also discussed how this concept was implemented at their company and security managed.

VIJAYAWADA

63rd IETE Foundation Day was celebrated on the theme on 2nd Nov 2016 under the chairmanship of **Dr T Venkateswara Rao.** The Chief Guest & speaker for the event was **Prof P Siddaiah**, Dean, Acharya Nagarjuna University College of Engg & Tech, ANU Guntur, Dist AP. **Dr K Ramanjaneyulu**, Centre Hony Secretary, read out the President IETE message meant for the occasion. As a senior member, **Prof Siddaiah** (F192483) **w**as felicitated this year by the Centre. Vote of thanks for the function was proposed by **Dr VVKDV Prasad,** Hony Treasurer IETE Vijayawada Centre. Past Chairmen, students,

EC and corporate members of the Centre participated in good number in the event.

YAVATMAL

• The Sub-Centre organized an expert lecture by **Prof P M Pandit**, Hony Secretary, IETE Yavatmal Sub-Centre on "**Role of Body Language in Communication Skills"** at Government Polytechnic, Yavatmal on 28th Aug 2016. About 60 final year students attended the lecture.

• The campaign of planting of trees was undertaken by corporate members of IETE in Jawaharlal Dadra Instt of Engg & Tech (JDIET), Yavatmal on 8th Sep 2016. The eminent persons present during the plantation were: **Dr A W Kolhatkar**, Principal, JDIET; **Dr S M Gulhane**, Centre Chairman; **Prof P M Pandit**, Centre Hony Secretary & ISF Faculty Advisor, **Prof P D Pawar**, **Prof U W Kaware**, **Prof P G Kaushik,** other than EC & Corp members, ISF students.

Tree plantation by the IETE Sub-Centre Yavatmal

From the Secretary General's Desk

At IETE, we strive to provide efficient services to our members. The queries or complaints (verbal or written) receive attention on priority basis at all the sections of the HQ. In case any of your queries/complaints remain unattended, you may write to me directly by name bringing attention to the issue. I will try to ensure that it is settled in the best possible manner.

Maj Gen P K Jaggia, VSM (Retd)

ISFs News

Even though we take every care and effort to publish all the reports that we receive from ISFs Engg Colleges, some time due to certain constraints, we may not be able to publish all the reports. This should not deter the spirit of our ISFs in contributing news. We request them to continue to keep sending activity reports as ever.

• **ISF** at **Army Institute of Technology (AIT), Pune,** celebrated the inauguration of its new academic year 2016-17 with ISF coordinators, Prof Manisha Nilkanth and Prof Pragati Rana on **Jul 23, 2016**. It was followed by a workshop on "Use of MATLAB for Signal Processing and Communication" by Shri Rushikesh Borse, Assoc Prof, SAE Kondhwa & Prof (Dr) GR Patil, HoD/ETC, AIT. Shri GK Dwara, Chairman, Shri RK Bharoucha, Hony Treasurer, Prof SK Khedkar, Past Chairman and Dr PH Patil, Vice Chairman, were present from IETE Pune Centre. The Principal Dr BP Patil and the HoD/ETC Dr GR Patil presided over the function.

• An expert lecture on "Nanotechnology-A New Frontier" was organized at ETC Dept of **ISF, Karmaveer Kakasaheb Wagh Institute of Engineering Education & Research (KKWagh IEER), Nashik,** in collaboration with IETE Nashik Sub-Centre on **Jul 26, 2016**. It was presided by Prof S S Morade, Assoc Prof/ET and Hony Secretary, IETE Nashik Centre. Dr Sanket Mahajan, Dir, Sanket Innovations Pvt Ltd, Nashik was the Chief Guest, who gave the details of core components in Nanotechnology like graphene OLEDs and transport mechanism in nano-scale structures and explained various applications of Nanotechnology in microelectronics and electronics packaging. The activity was guided and coordinated by Prof R V Chothe, and Prof S A Zalte, ETC Dept and members of IETE. Another lecture on Random Process & PSD was organized on **Aug 2, 2016**, headed by Prof S S Morade. Shri Shrikant S Joshi, AP/Vishwakarma Institute of Information Technology Pune, was invited as the chief guest, who gave the basic details, types of random process and autocorrelation functions.

• **ISF** at **Muthayammal Engineering College, Rasipuram, Namakkal (TN)** organized a guest lecture on "Introduction about Electronics" **by** Shri B Dinesh, Mg Partner, GEM Enterprises, Coimbatore, on **Aug 4, 2016**. About 135 IETE student members attended this lecture. Another guest lecture by Dr P Ramesh Babu, HoD, EIE, Pondicherry Engineering College, Puducheery was organized on "Advances in DSP" on **Aug 19, 2016** attended by 90 IETE student members. Yet another guest lecture on "Partial Differential Equations and Fourier Transform" was organized on **Sep 12 & 17, 2016** in the presence of the Chief Guest**,** Dr C Chandran, Prof & HoD Mathematics, KSR College of Technology, Tiruchengode. 131 students participated from the ECE Dept. A workshop was organized on "Senior and IoT" on **Sep 28, 2016.**

• **ISF** at **Anand Institute for Higher Technology (AIHT), Chennai,** organized a lecture by Shri Tata Sudhakar, Vice Chairman, Chennai Centre on **Aug 8, 2016, with** 150 participants.

• **ISF** at Dept of ETE, **VIVA Institute of Technology, Shirgaon,** organized a two day workshop on **"Internet of Things (IoT)"** under the banner of IETE on **Aug 9-10, 2016.** The workshop was based on home automation concept and interfacing of components over an internet. It was conducted by Shri Ajit as the speaker and a team of volunteers guided the participants. The Principal, Dr Arun Kumar gave an inspiring speech. The faculty- in-charge, Mrs Meena Perla and the Chairman & Vice Chairman of the ISF Committee Shri Swapnil Abhyankar and Ms Saloni Vartak, respectively handled the workshop. The topics covered were - nature, importance, challenges, & future scope of IOT. A competition was held on the second day on innovative ideas and programming. The winners were given certificate of merit from Robokart, (e cell, IIT Bombay).

• Dept of ECE of **ISF Nandha Engineering College, Erode,** organized a one-day industrial seminar on **Aug 11, 2016.** The resource person Shri T R Madhavan, Sub-Divisional Engr, BSNL, Coimbatore, delivered a talk on "Generations of Mobile Wireless Technology". The ISF also conducted an Association Inaugural function (eZEALOTS 2017) on **Aug 18, 2016,** by organizing a lecture on "Space Communication – Practical Approach" by Shri B A Subramani, Secy and Station In-charge, Upagrah Amateur Radio Club ISRO, Bangalore. Others eminent persons on the occasion were: Prof ST Sadish Kumar, HoD/ECE; Prof P Kalyanasundaram, Prof/ECE; Prof R Murugasami, ASP/ECE; Shri G Prabhakaran. On **Aug 20, 2016, y**et another academic seminar was organized with Shri S Prabhu, Pedagogical Res Assist, IIM, Bangalore, as a guest speaker who presented his thoughts on "Online Learning-Few Insights".

• A new **ISF** was inaugurated under the aegis of IETE Goa Sub-Centre at **Agnel Institute of Tech and Design (AITD), Assagao, Bardez, Goa,** on **Aug 12, 2016.** The event was graced by Prof Shailesh Khanolkar, Assoc Prof/ETC, Padre Conceicao College of Engg, Verna, as the Chief Guest. It was also supported by Dr H G Virani, HoD/ETC, GEC–Farmagudi, Ponda and Chairman of IETE Goa Subcentre; Dr V Mariappan, Principal-AITD; Prof Laxmikant Bordekar, HoD/ECE, AITD and Prof Yadnesh Sanzgiry, ISF Co-ordinator. The dignitaries initiated proceedings by watering a sapling hence propelling growth.

• A one-day seminar on "Key ingredients for a successful Engineer" was organised by **ISF** of ECE Dept, **SSM Institute of Engineering and Technology (SSMIET), Dindigul,** on **Aug 16, 2016**. Shri G Gobalakichenan, Prog Mgr, IBM India, Bangalore, the resource person, gave a brief introduction on software industries and motivated the students to improve their technical skills. He also enlightened them on recent trends in space research. Dr A Gopi Saminathan, HoD/ECE, Dr R Palanichamy, Principal and Shri M Manikandan AP/ECE, ISF Co-ordinator were present amongst others.

• **ISF** and **IET** in coordination with Dept of ECE at **SRM University, Kattankulathur, Chennai,** organized a two-day workshop on Speech Signal Processing - WSSP'16 on **Aug 16-17, 2016**. Dr P Vijayalakshmi, Prof, SSNCE; Dr Vinay Kumar Mittal, Prof, IIIT, Sri City; Dr K Sri Rama Murthy, Asst Prof, IIT Hyderabad; Dr Shahina, Prof, SSNCE, Dr S Umesh, Prof, IIT Madras, shared their valuable knowledge with the participants. The workshop ended successfully with a valedictory session. Another guest lecture delivered by Ms Anu on Entrepreneurship on **Sep 21, 2016,** benefitted 150 students of III/IV year. The speaker delivered an inspirational speech and threw light on the significance of a focused mind and the vitality of courage to pursue one's dreams. On **Oct 3, 2016** an intellectual disquisition on Wireless Networking by Shri Avinash Ressy Bajjuri was arranged. The speaker began with the basics of wireless networks and servers and guided the participants towards IP and network planning, analyzing its operation, quantity of servers and its requirements. He cleared queries on different crucial certifications regarding Microsoft, Cisco, RHEL, Netapd etc. He said that with the world becoming a global village and networks being key prospects of communications, knowledge and caution can alone shield people from the obligatory yet precarious networks that wield both primary needs and insecurity of one's privacy.

• **ISF** at **Kamaraj College of Engineering and Technology**, **Virudhunagar,** conducted a poster presentation for pre-final year ECE students on **Aug 20, 2016** on "Recent Communication Technologies" and it was won by Morsh R & Vikas Krishnan, Nivetha J & Gowsalya C & Vignesh Jeyanthan N & Sundarraj A. The ISF also conducted a project display for II year ECE students on **Sep 30, 2016**. The winners of this event were: M Vinotha, R Srimathi, N Thrishna (I prize), S Cedrick Ralfin, M Yogeshwaran (II prize) R Arun & K Shanmuga prabhu (III prize). Winners of both the events were awarded with cash prizes.

• A new **ISF** at **Babasaheb Gawde Institute of Technology (BGIT), Mumbai,** was inaugurated on **Aug 20, 2016** by Shri SC Khasgiwal, EC Member IETE, Mumbai, Ms Uttara Gogate, Hony Secretary, Mumbai Centre; Principal DN Jaiswal of BGIT, were the other speakers for the occasion. Ms Madhuri Rodge, member; Shri Prasad Kulkarni, HoD/ET; Shri Ajit Parab HoD/Ct Computer Technology; Ms Surabhi Crasto I/C HoDSH; Ms Shailaja Gawade ISF coordinator and faculties and non-teaching staff of ET Dept were also present. A workshop on project development was conducted in association with Electromaniac Consultancy on the same day for the III year diploma ISF members free of cost. Around 64 members were present. The PCB Layout Design workshop was conducted for second year diploma ISF members in association with Saitranics.

• **ISF** at **Nandha College of Technology, Erode,** organized a one-day workshop on "Communication Protocols of PIC Microcontroller" on **Aug 22, 2016** conducted by Shri A Moorthi, Dir, Technical, Nitan Technologies, Coimbatore. He threw light on communication protocols like USB, I2C, SPI, ethernet, CAN etc, microcontroller basics, uses, features and applications etc and gave hands-on-training with PIC microcontroller for embedded application development. Another IETE sponsored seminar was organized on "**An Insight on Embedded Systems**" on **Aug 30, 2016** graced by Dr N Shanmugasundaram, Prof & HoD/ECE, Mahendra Engineering College, Namakkal.

• IETE Chennai Centre and **ISF** at **Agni College of Technology, Chennai,** jointly organized the 7th Project Display Competition under the aegis of Electronics Hobby Centre from **Aug 22nd- 24th, 2016** for II, III & IV year ECE students. Shri R Baskaran, Group Gen Mgr, Railtel Corp of India Ltd, was the Chief Guest on the occasion. Dr P Gnanasivam, HoD/ECE; Dr SRR Senthil Kumar, Principal, Agni College of Technology were a few eminent persons present during the function. Awards were categorized into three categories and each category had subcategories. The winners were rewarded with prizes.

• A one-day workshop was organized on OrCAD (16.6 version) by the Dept of EC at **ISF M M University, Sadopur, Ambala**, on **Aug 23, 2016** in association with the IETE, Chandigarh Centre for ECE students. The faculties, technical staff along with HoD were present during the session. Ms Navneet Kaur, Tech Coordinator, Chandigarh Centre, gave hands on training for designing printed circuit boards. Prof Parveen Bajaj, HoD, ECE Dept, extended vote of thanks for guiding the students of the college.

• **ISF** at **Saveetha Engineering College, Thandalam, Chennai** was inaugurated on **Aug 26, 2016** at the Dept of ECE. Dr S Dhandapani, Prof & Dy HoD/ECE; Dr C Sheeba Joice, Hony Secy, IETE Chennai Centre; and Dr R Ramesh,Vice-Principal, that present on the occasion addressed the audience. Shri S Sivakannan, ISF Coordinator, introduced the Chief guest, Shri V Srikanth, DGM, Govt Initiatives, ICT Academy of Tamil Nadu, who pointed out the industry needs for Institutes and prerequisite skills for future placements needs. Ms R Gayathri, ISF Coordinator and Ms Srigitha S Nath, HoD/ECE, were also present. The **ISF** organized a Mini Project Contest 2016 for II year ECE students on **Sep 17, 2016**. 10 projects from 70 were chosen by 12 judges to be finally presented. The Chief Guest on the occasion was Dr K Samuel Johnson, Assoc Prof from VIT University. He outlined the opportunities & placements issues in ECE field. The winners for the competition were: Ms D Priyadharshini, Shri L Praveen & Shri T Rahul - II Year ECE D1- 1 Prize; 2) Ms B Kavitha, Ms V Keerthana & Ms K Gayathri - II Year ECE C1- II Prize and 3) Ms E Parameswari, Ms E Geethika, Ms G Harshini -II Year ECE B1- III Prize.

• The Inter-college Paper presentation, Project Expo and hands on training in Embedded System programmes were organized at **ISF GKM College of Engineering and Technology, Chennai** on **Aug 27, 2016** and the event was inaugurated by Shri Tata Sudhaklar, Vice Chairman & EC Member, Chennai Centre About 125 members participated.

• **ISF** at **K S Rangasamy College of Technology,Tiruchengode,Namakkal Dist (TN)** organized a guest lecture by Shri Bharathiraja Nallathambi, Sr Hardware Design Engineer, Cognizant Technology Solutions, on "Internet of Things**"** on **Aug 27, 2016**. Principal Dr K Thyagarajah, HoD/ECE; Dr K B Jayanthi, IETE staff coordinator; Dr P Babu also attended the function.

• A seminar on "Secure and Reliable VLSI Designs" was organized at **ISF of KCG College of Technology, Chennai** on **Aug 27, 2016**. Ms G Sumathi, HBNI, IGCAR, Kalpakkam, inaugurated the seminar attended by about 200 members.

• **ISF** at Dept of ECE, **Velalar College of Engineering and Technology, Erode**, planned a one-day workshop on "IoT and its Application" on **Aug 29, 2016** for the benefit of the students. During the workshop, Shri M Sathyaraj, Team Leader, VI-Microsystems, Chennai, gave hands on training to the students. Dr M Jayaraman, Principal, inaugurated the workshop.

• A programme was conducted at **ISF Velammal Engineering College, Chennai** on **Aug 31, 2016,** that was attended by Dr Swarna Ravindra Babu, Chairman Chennai Centre & Prof R Gayathri, Assoc Prof/ECE, Saveetha Engineering College and attended by about 225 members.

• **ISF** at the Dept of ECE, **Ganadipathy Tulsi's Jain Engineering College, Vellore,** arranged a one-day Student Technology Awareness Programme (STAP) on "Hands-on Technical Session on Electronics" in the presence of Prof A Manimegalai, HoD/ECE & Shri C Kumar, AP/ECE & IETE Coordinator on **Aug 31, 2016**. It was for the students of Cluny Matriculation Higher Secondary School, Katpadi, Vellore. The demonstration was given by IETE students while the school students actively interacted and benefited from the training. Besides, a motivational session was executed by GTEC-ISF members for the school students, guided by Mrs D Santhoshkumari, AP/ECE. The **ISF** also organized a national level technical symposium "Symposium - ec-genex'16" on **Sep 24, 2016,** attended by about 200 participants.

• ISF at Dept of ECE, **BVRIT Hyderabad College of Engineering for Women, Hyderabad** organized an event called "Protsaha" project model exhibition for school children from 6th- 10th Class on **Sep 8, 2016.** Shri R Priyakanth, Ms Radha Abburi and Shri N M Sai Krishna of the Dept were the conveners for the event. About 45 projects were exhibited in this event from the students of Vikas – The Concept School; Sentia; MNR i-Exceed School; Srimannarayana School; St Marys School etc. Dr KVN Sunitha, Principal, BVRIT inaugurated the exhibition and, appreciated the thrust of participation and enthusiasm from students. Dr Madhusudhan Rao and Dr Ramesh acted as judges. The schools winning the first three positions were: St Marys School (1st) ; Vikas – The Concept school(2nd) and Sentia(3rd) position. Engineer's Day was celebrated under ISF on **Sep 15, 2016** by organizing a program named "The Circuiter" to analyze student's caliber in designing and analyzing the circuits at different levels. Ms Sushma of III ECE, BVRIT Hyderabad grabbed the title of "The Circuiter", while Ms Shylaja stood in next position.

• ISF at Dept of ECE, **Mount Zion College of Engineering and Technology, Pudukottai Dt,** conducted a one-day national level Inter Collegiate Technical Symposium, Impetus–16 on **Sep 8, 2016,** presided over by Shri Jayabarathan Chelliah, Chairman, Mount Zion Educational Institutions.. Vice Chairperson of the Institution, Mrs Florence Jayabarathan; Dir, Prof Jayson K Jayabarathan; Principal, Dr Balamurugan; Dr S Robinson, HoD/ECE were the other speakers in the event. The chief guest-Dr Nakkeeran, Assoc Prof & Head/ECE, School of Engg & Tech, Pondicherry University, Pondicherry, delivered the special address on **"**Recent Advancements in Communication Engineering". A quiz programme and Multimedia competition was arranged to give the students technical experience. About 500 students in and around the region attended the function.

• **ISF** at **Loyola–ICAM College of Engineering and Technology (LICET), Nungambakkam, Chennai,** planned a one-day seminar and workshop on Bio-Medical Image Processing on **Sep 09, 2016**. All IETE student members were given an opportunity to know about the use of Digital Image Processing in the field of Bio-medical Engineering. Dr S Saraswathi Janaki, Prof & HoD/ECE, gave an overview on the importance of the topic. The seminar had two sessions: "Bio-signal and Biomedical image processing", presented by Ms Swathy Parameshwaran, a research scholar at Engineering Design Dept, IIT Chennai. And Image Fusion and its Application" by Dr G Malathi, Assoc Prof, School of Comp Science and Engg, VIT University, Chennai. In the afternoon session, a workshop on "Bio-medical image processing using MATLAB" was conducted by Dr Janaki, where IETE student members were given hands on experience on how to implement various bio-medical image processing algorithms using MATLAB. On Sept **15, 2016,** the **ISF** celebrated Engineer's day on the theme "Engineers in IT Industry". The keynote speaker in the function was Mr Bright Truman Jose, Manager-Business Development, Cognizant Technology Solutions, Chennai. This was followed by a technical quiz competition for IETE members and group discussion on "Role of Engineers in Society".

• **ISF** at **Modern College of Engineering Shivajinagar, Pune,** was inaugurated on **Sep 10, 2016** by Shri G K Dwara, Chairman IETE Pune Centre, while the others in this function included Prof Bhagyashri Baviskar; Shri Shende, Hony Secretary, IETE Pune Centre and Mrs R S Kamathe, HOD (E&TC). On the same day Shri Sendil Murugan, GM, TATA Communication, conducted a session on "Advances in Digital Communication". The awareness about SDH and PDH was given to the students with usage of PCM in communication. The **ISF** also organized a session on "Robo on Wheels" **on Sep 24, 2016** to give an insight into the designing of the robots. Shri Tanmoy Sinha, Entrepreneur, conducted the session, while Shri Kishor Shende; Shri Niranjan Parandkar and Mrs R S Kamathe also attended the session.

• A guest lecture on "Recent Trends in Optical Fiber Communication in Telecom Industry" was organized by **ISF** at **Kings Engineering College, Chennai**, on **Sep 13, 2016.** The lecture was delivered by Shri A Sadagopan, former Asst Gen Manager**,** BSNL**,** Chennai, and attended by about 150 members.

• New **ISF** at **Jeppiaar Maamallan Engineering College, Sriperumpudur, Chennai,** was inaugurated by Dr Swarna Ravindra Babu, Chairman, IETE Chennai Centre on **Sep 15, 2016** in the presence of about 200 members.

• A 2-day workshop on Biped Robots was inaugurated by the chief patron of ISF Dr V Chanda Sekhar, Principal, at **MVSR Engineering College, Hyderabad,** during **Sep 16-17, 2016** in association with eCell and RoboKart. Er Nuli Namassivaya, Faculty Advisor, introduced the theme to 108 student participants and gave them hands on training on Aurdino kits for making robots. In this respect a completion was arranged and 3 best students were selected. On the second day a valedictory function with Chief Guest Dr M V Srihar, Chairman, Matrusri Education Society was organized and certificates were handed to the participants.

• **ISF** at **Mahavir Education Trust's Shah & Anchor Kutchhi Polytechnic (SAKP), Mumbai,** celebrated "Engineers' Day" to commemorate the birthday of the legendary engineer Sir Mokshagundam Visvesvaraya on **Sep 17, 2016**. The keynote speaker on the occasion was Shri Pradip Sharma, Tech Dir, DD, Mumbai. Dr Udhav Bhosle, Chairman IETE Mumbai Centre & Principal RGIT; Mrs Uttara Gogate, Hony Secretary, IETE Mumbai Centre; Dr Vinit Kotak, Principal; Dr Bhavesh Patel, Dir, and Prof Sanjay Lunge, Vice Principal, SAKP were present on dais. The inter college & intra college events were also conducted. The inter college events were divided into Computer group (Technical Quiz , Code Implementation) and Electronics Group (Technical Quiz, Circuit Making, Circuit Designing with Eagle software), while the intra

college events included- Best out of Waste; Technical Poster and Photography Theme (360 Panoramic Photography). More than 500 students from various colleges from Mumbai region participated in the events. The program is concluded with valedictory function and prize distribution.

• Dept of IT, at **ISF Dharmsinh Desai University (DDU)**, **Nadiad, Gujarat,** organized a seminar on "Recent Trends and Technologies in IT industry" on **Sep 17, 2016**. The invited experts included: Shri Swet Hitori, & Shri Denish Vacchani, Sr Software Engineers from MasterCard, Baroda; Shri Dipak Modi, IT Analyst, TCS, Ahmedabad and Shri Hiren Shah, Consultant, EMC S/W and Services, Delhi. The topics covered were: Gradle build automation, Angular JS, Bootstrap, Big-data, cloud computing, Transition from campus to corporate. Prof R S Chhajed, Head, IT Dept, DDU; Prof Nikita P Desai; Prof Vipul K Dabhi, ISF, faculty members & students of DDU, attended the seminar. The ISF organized another seminar on "Open Source Technologies (Wordpress)" on **Sep 24, 2016**. Experts were called from Dream Tech Innovation Pvt. Ltd., Ankleshwar, Gujarat to deliver the expert talks. Prof R S Chhajed; Prof Vipul K Dabhi; faculty members and 93 students attended the seminar. Shri Ajay Devjani; Shri Ruchit Gandhi and Ms Tanvi Patel were the key persons who guided the seminar.

• A one-day national level Poster Presentation at Dept of E&TC, **Bharati Vidyapeeth University College of Engineering(BVUCOE), Pune,** was organized in association with IETE, Pune Centre on **Sep 19, 2016**. The Chief Guest on the occasion was Dr G.K.Dawara, Chairman IETE Pune Centre. The other eminent persons from the college present were :Prof (Dr) Shruti Oza, HoD, E&TC; Prof MJ Khurjekar and Shri Kishor R Shende, Hony Secy IETE Pune, Centre (as judges) and Prof A Prabhakar. The competition witnessed an active participation of 58 teams and more than 120 participants and was conducted in technical and non-technical rounds. All the participants came up with lots of innovative topics. The non-technical topics were- Transgender Equality, Make in India, Animal Abuse, Water Conservation, Save Girl whereas the technical topics included Artificial Intelligence, Hydraulic Bridge, Optical Amplification System, Connecting India, VOIP and many more. The winners for the technical section were: Raj Kumar Reddy and Kratika Chaudhary for Connecting India (1st Prize) and Dr Pooja and Dr Seema for Ayurvedic Methods(2nd Prize). The winners in the non-technical round were: Nayan and Aishwarya for Connecting Nature With Internet in the 1st position , while Dr Neeta Deshpande for Global Warming in the 2nd position. Vote of thanks was proposed by Prof Sudhir Kadam, of ET Dept.

• **ISF** at **Rajiv Gandhi Institute of Technology, Versova, Mumbai**, organized a seminar on "Telecommunication Networks and Its Evolution" on **Sep 19, 2016** with Shri Manoj Chaudhari, Sr Mgr (Telecom), Centre of Excellence in Telecom Technology and Management, MTNL, Mumbai as the resource person. Prof K G Sawarkar, HoD, ET; Prof S D Patil, Faculty Coordinator ISF-RGIT and other faculties along with 115 students participated in the event. Another seminar organized was on "**IP Backbone Network of Service Provider**" on **Sept 21, 2016** by Sunil Waichol, DGM, MPLS division, MTNL, Mumbai. The seminar was inaugurated by Prof U V Bhosle, Principal and Chairman, IETE Mumbai Centre, Prof K G Sawarkar, HoD, ET, and Prof S D Patil, Faculty Coordinator ISF-RGIT were also present. Other faculty members, 105 final year students attended this seminar.

• The Dept of ECE at **ISF of MNM Jain Engg College, Chennai,** organized a guest lecture by Shri Muneeswaran, Asst Manager, Technocrat Automation, on "Industrial Networks for Communication and Control" on **Sep 20, 2016**. About 145 student members (ECE Dept) of III year & IV year and faculty coordinators attended the lecture. Mrs Mohanalakshmi, Assoc Prof and Shri Thamil Selvan, AP, were present. The speaker gave an overview about the basics of industry level automation and robotics, explained the various protocols that are used in hierarchical manner in the industry, viz. PLC, SCADA and

automation protocols such as ModBus and PropiBus; basics of the Human Machine Interface (HMI) and the Allen Bradley Architecture. He talked about the various opportunities in the core fields of electronics & communication, and other career prospects. The speaker was felicitated by the HoD/ECE, Dr N Jaisankar.

• The Engineers Day was celebrated by **ISF** at **DY Patil College of Engineering, Pimpri, Pune** on **Sep 21, 2016.**

• **ISF** at **Adhiyamaan College of Engineering, Hosur, Tamil Nadu**, organized the 4th National Level Technical Symposium on Computing, Control and Communication Systems (CCCS2k16)"during **Sep 21- 22, 2016**. The programme was inaugurated by the Chief Guest Dr A Indra, Dy Dir, ISRO Telemetry Tracking and Command Network, Bangalore. Shri D G Rao, Sr Scientist, LRDE-DRDO, Bangalore, graced the event as Guest of Honour. Dr G Ranganath, Princepal presided over the function. About 110 students from various institutions across states participated in the event very enthusiastically and presented their technical papers. Vote of thanks was proposed by ISF Student President- Shri David Kingsley.

• Dr T Venkateswara Rao, Chairman, IETE Vijayawada Centre, addressed the ISF students of Dept of ECE, at **NRI Institute of Technology, Krishna Dist (AP),** on the **Sep 24, 2016**.

• Shri Malhar Deshpande delivered a technical talk on Embedded System at **ISF Sri Jagadguru Chandrasekaranathaswamiji Institute of Technology (SJCIT), Chickballapur, Karnataka** *on* **Sep 28, 2016.**

• IETE sponsored guest lecture was conducted at **ISF EGS Pillay Engineering College, Nagapattinam (TN)** on **Sep 28, 2016** by Prof (Dr) Wessel W. Wits, University of Twente,,Netherlands as the Chief Guest & Resource person. The other speakers on the occasion were: Prof D Devarajan, IETE Convener; Prinicpal Dr S Ramabalan; Secretary Shri S Parameshwaran, Prof V Elavarasi and Deans of various departments. A conference proceeding was also released. Around 67 Final year students participated in the lecture. Prof T Senthil Kumar gave the vote of thanks.

• The **Universal College of Engineering (UCOE), Mumbai of VidyaVikas Education Trust,** organized the 3rd National Level Technical Paper Presentation on **Sep 29, 2016** giving an opportunity to the students to present their visions, thoughts and ideas and to showcase the latest developments in the technical domain. The ceremony was graced by the Chief Guest, Dr Udhav Bhosle, Chairman IETE Mumbai Centre. A total of 827 technical papers were presented and the winners were felicitated with certificates.

• The students of the **ISF Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad,** visited BSNL, RTTC, Gachibowli, on **Oct 4, 2016**. A total of 73 students accompanied by 3 faculty members, utilized this opportunity and leant about switching labs; optical fiber system; broadband and mobile technology.

• **ISF** at Dept of EC, **Nehru College of Engineering and Research Centre (NCERC), Pampady** was officially inaugurated on **Oct 4, 2016** by Shri C K Haridas, IETE Governing Council Member. Dr A S Varadarajan, Principal, NCERC, presided over the function. Others present were: Vice Principal of NCERC, Shri N K Sakthivel; HoD/ECE, Dr S Rajkumar; staff co-ordinator Mr Jithin Jose Kallada. The ISF membership cards were distributed to the student members.

• New session at **ISF** at Dept of ECE, **School of Technology, GITAM University, Bengaluru,** was inaugurated on **Oct 20, 2016**. Prof K V Shari, Prof & Chairperson, Dept of ECE IISc, Bangalore, and Dr Prof H S Bhatia Hony Secretary, IETE Bangalore, were the distinguished guests for the event.

The program was organized in the presence of Prof P V Sivapullaiah, Pro-Vice Chancellor, GITAM University, Prof K Vijaya Bhaskar Raju, Dir, School of Technology, GITAM University and Dr Sreenivas Alluri, HoD/ECE.

• On **Oct 30, 2016, a** new **ISF** at the Dept of ECE, **Chalapathi Institute of Engineering & Tefchnology, Chalapathi Nagar, LAM, Guntur Dist (AP)** was inaugurated by Dr K Ramanjaneyulu, Hony Secretary, IETE Vijayawada**.**

• **ISF** at **Mepco Schlenk Engineering College, Sivakasi** organized a guest lecture on **"Technical Requirement in Semiconductor Engineering Industry"** on **Nov 5, 2016** for the student of II year ECE & ME (Communication Systems & VLSI Design), delivered by Shri D Raja Kumar, Vice-President, Tessolve Semiconductor Pvt. Ltd., Bangalore. The speaker covered in depth the fundamental concepts of Design Flow of Semiconductor ICs, Testing of ICs, Testing Machines (ATE) and PCB Manufacturing. He described about the automatic test equipment (ATE) functionality, testing environment, latest development in ATE and manufacturers of ATE. He also covered the Fault Analysis (FA) details to reengineer the faulty chips. About 250 students got benefited by this event.

• A Guest Lecture on "Broadband Antennas–Trends & Challenges by Dr M Chakravarthy, Director-I, Scientist-G, DLRL, Hyderabad, jointly organized by **ISF** at Dept of ECE, **Anil Neerukonda Institute of Technology & Sciences (ANITS), Visakhapatnam,** was held in association with IEEE Student Chapter on **Dec 23, 2016**. Dr Chakravarthy gave the details on directivity, gain, polarization, frequency bandwidth & radiation pattern of broadband antennas. He stressed the features of antennas used for electronic warfare such as signal search, direction finding and jammer antennas. Prof K Raja Rajeswari, Prof K S Ranga Rao, Prof K Murali Krishna and HoD/ECE, Dr V Rajya Lakshmi also graced the occasion. The ECE faculty and about 200 undergraduate and post graduate students attended the lecture.

IETE Organizational Members Activities

• IETE Organizational Chapter at **Dronacharya College of Engineering, Gurgaon, (Org: G00293)** conducted a Summer School on **"Advanced VLSI Design"** of one month duration during Jun 27 to Jul 16, 2016. The objective of this Summer School was to groom and empower the students in self sufficiency in the field of VLSI Design and give them real time hands-on experience on Dsch, Microwind tool and XILINX tool. Another objective was to raise the technical skills of the budding engineers and bridging the gap between industry and academia. Around 12 students participated in the School. The Organizational Member also organized an **Industrial Visit** under the aegis of IETE ISF Chapter on Oct 13, 2016 to the factory of Parle G Biscuits Pvt Ltd. at Bahadurgarh. 31 students along with the faculty member Ms Seema, AP/ECE visited the plant and where they were received by Shri Vedvert Dalal, Exec P&A. The students were shown a presentation and documentary on Parle, the processing through Asia's largest oven, also the other machines i.e. dough maker, paste feeder, biscuit molding, baking oven, oil-spraying and cooling conveyor, that are used in the production process. The goal of this industrial visit was to give the students an experience of the real working environment and make them aware of the modern technologies that are currently prevalent in the market and are being adapted by companies for manufacturing their products.

• IETE Organizational Chapter at **Adhi College of Engineering and Technology, Chennai (G00508)**, which was approved in July 2016, was formally inaugurated on **Sep 2, 2016**. A number of IETE members were present for the inaugural function. **Shri R P B Sundaram**, Exec Member of IETE, Chennai Centre, Addl GM, (ADM), BEL, Bangalore, was the chief guest who presided over the function. Dr K Sakthisudhan, convener of IETE Chapter, delivered the welcome address. Dr A Devaraju, the principal and the Coordinator for ISF, encouraged the students and informed about various activities that can be held under the aegis of IETE at ACET premises. Shri RPB Sundaram delivered his presentation on **'Electro Optics'** and explained the recent research trends on Electro Optical Communication for defence, scientific and industrial applications. Emphasizing on the importance of research he called upon the faculty members to take up the research works.

Students during Industrial Visit

Felicitations during ACET-IETE Inaugural Ceremony

Calendar of the Events

Subject	Date	Venue	Contact
21st Sir C V Raman Memorial Lecture	Feb 28, 2017	Bangalore	Shri G Ramesh, Chairman, IETE Bangalore Centre, Bellary Road, Gandhinagar, Bangalore – 560 039, (Mob): 09663399311, 09481379311 Ph: 080-23331133 Email: rgieteb@gmail.com ; gramesh@isac.gov.in ; bangalore@iete.org
28th GSSM Jointly with IEEE 5G Summit	March 13-14, 2017	Kolkata, WB	_
48th Mid Term Symposium (**MTS-2017**) on **"The Internet of Everything"**	Apr 07-09, 2017	PSIT, Kanpur	Maj Gen P K Jaggia, VSM (Retd), Secretary General, IETE HQ, 2, Institutional Area, Lodi Road, New Delhi – 110 003, (M) : 09560960501 (O) : 011-43538821/22 Email: sec.gen@iete.org Prof S N Singh, Chairman, IETE Kanpur Centre (M) : 09450605039, Email: snsingh@iitk.ac.in ; ietekanpurcentre80@gmail.com

Awards & Achievements

Prof (Dr) Debatosh Guha (F-232555L) has been elevated to IEEE's highest honour – *IEEE Fellow* **for his valuable contributions to microstrip and wideband dielectric resonator antennas.** Prof Guha has been the recent recipient of **IETE Ram Lal Wadhwa Award** in Sep 2016. IETE congratulates Prof Guha for obtaining IEEE Fellowship.

Dr (Mrs) Kalpana Lalitkumar Chaudhari (M-237416), Lecturer in Dept of ETE, Polytechnic, Mumbai, has been awarded PhD in Electronics Engineering by Rashtrasant Tukadoji Maharaj, Nagpur University for her thesis, titled "**Design and performance analysis of WiMAX model for e-governance for the development of rural region**".

Gp Capt (Dr) KP Gowd (F183790L), Immdt Past Chairman, IETE Bhopal Centre presented his research paper titled "**Futuristic Black Box Design Considerations and Global Networking for Real Time Monitoring of Flight Performance Parameters**" during 18th International Conference on Aero Engineering held at Kuala Lumpur, Malaysia during Feb 11-12, 2016. His another research paper titled "**Innovative Design considerations for Adaptive Spacecraft**" has also been accepted for oral presentation as well as inclusion in the proceedings of the 19th International Conference on Innovative Spacecraft Designs and Technologies" that is to be held at Berlin, Germany, during May 21-22, 2017.

Inspiring Women Achiever

Prof (Dr) Mini Shaji Thomas (F233935), has recently taken over as Director NIT, Tiruchirapalli. Before this she was the Founder Director of the Centre for Innovation and Entrepreneurship (CIE), Jamia Millia Islamia, New Delhi. Besides being Dir, CIE, she has served JMI as Professor in the Department of Electrical Engineering, Faculty of Engineering and Technology. She was also the Central Public Information officer (CPIO) of JMI from 2008-2014 and the Head of the Department of Electrical Engineering from 2005-2008.

Prof Thomas was a faculty member at Delhi College of Engineering, Delhi (now DTU), and at the REC (now NIT), Calicut, Kerala before joining Jamia. She graduated from University of Kerala (Gold Medalist), completed her M. Tech from IIT Madras (Gold Medalist, Siemen's prize) & Ph.D. from IIT Delhi, India, all in Electrical Engineering.

Prof Thomas has set up the first of its kind SCADA laboratory and Substation Automation (SA) Laboratory at JMI, with Industry involvement. She, as the founder coordinator, drafted the curriculum, started a unique, first full-time, M Tech program in the Faculty of Engineering & Technology, JMI, in 2003 in Electrical Power System Management, with industry participation, which has courses on power automation and novel hands-on training. For these contributions, Dr. Thomas won the Institute of Electrical and Electronics Engineers (IEEE) Educational Activities Board (EAB) Meritorious

Follow you dreams and be brave enough to take risks in life to achieve your dreams. Build up your support system at home, at workplace and in the profession which will help you overcome difficulties.

Prof (Dr) Mini Shaji Thomas

Achievement Award 2015 for 'Design and Development of curriculum and laboratory facilities for professionals and students in the electric utility industry". She is the author of the text book 'Power System SCADA and Smart Grids' by CRC Press, Taylor and Francis, USA and is a 'Distinguished Lecturer' of IEEE Power & Energy Society.

Prof Thomas has published over 130 research papers in International Journals and Conferences of repute, has successfully completed many research projects, and is the coordinator of the Special Assistance Program (SAP) on Power System Automation from UGC, Government of India. She is also a reviewer of reputed journals in her field. She has traveled extensively, delivered lectures in prestigious universities.

Prof Thomas received the 'Career Award' for young teachers, Govt. of India, won the IEEE Power and Energy Society Outstanding Chapter Chair award 2013, IEEE Member and Geographic Activities (MGA) Innovation award 2008, IEEE Outstanding Volunteer award 2005, IEEE Outstanding Branch counselor award 2002 and Power and Energy Society (PES) Outstanding Chapter Engineer award. She is a certified trainer for 'Capacity building of Women managers in higher education', by UGC and has conducted many training sessions for Women empowerment. Prof Thomas is very active in professional societies and she is among the very few people from Asia Pacific to be on the global boards of IEEE. She is currently a board member of IEEE PSPB (Publication Services and Products Board), a member of PES LRP (Long Range Planning) committee. She has experience of over a decade in international boards and committees of the IEEE.

Obituary

Prof MGK Menon, FRS **(HF0:0007)** Former ISRO chairman , who was distinguished for investigations in the field of cosmic ray studies, high-energy inter-actions of elementary particles in particular, passed away in New Delhi at the age of 88. He is survived by his wife, a daughter and a son. The IETE community grieves the passing away of Prof MGK Menon and remembers with gratitude his precious contributions to the field of Science and technology. He was the Honorary Fellow of IETE since 1974. Professor Menon, was awarded with Padma Vibhushan, worked with noted scientists, including his mentor Homi Jehangir Bhabha, with whom he pioneered Tata Institute of Fundamental Research (TIFR). Prof Menon had served as Union Minister of State for Science, Technology and Education in the Shri VP Singh Government. He became the Chairman of the ISRO in 1972, and was the Director of the TIFR at the age of 35 years. He was a member of the Planning Commission (1982-1989), Scientific Adviser to the Prime Minister (1986-1989), Vice President, Council of Scientific & Industrial Research (CSIR) (1989-1990), and member Rajya Sabha during 1990-96. He was also a Fellow of the Indian Academy of Sciences and the Royal Society of London.

It is not the space community alone but the entire fraternity of Indian scientists has lost a pioneer, whose life is worth emulating.

The Governing Council of IETE also mourns at the sudden demise of **Shri P P Malhotra,** Distinguished Fellow of IETE **(DF-028074)** on 21 Oct 2016 at New Delhi. Shri Malhotra had been closely associated with the institution since 70s and served as its Governing Council Member for three tenures of 3 years each and co-opted member of many Committees for many years. He has been Hony Treasurer, Vice President and organized the activities of Apex Forums and Technical Programmes very enthusiastically. He actively coordinated with Govt Depts, MC&IT, DST, industries and academic Institutions for IETE. He had also been the member representative of in BES, DST, MC&IT and many other Govt Expert Panels. He was actively involved in the renovation of 4th, 5th floor of HQ building, had been the observer for conduct of IETE examinations for many years. His contribution in Publications, Newsletter and Membership has been widely acknowledged. He was also the Chairman of IETE Delhi Centre and contributed selflessly towards its overall growth.

His untimely death has been a great loss to IETE.

IETE-GISFI 5G Summit

A two-day 27th **GISFI Standardization Series Meeting (GSSM)** jointly with **IEEE 5G Summit** was held at IETE HQ, New Delhi, during 2nd-3rd Dec 2016. The Chief Guest for the event was **Dr M D Tiwari, Vice Chancellor, Barkatullah University, Bhopal.** The other special guests and dignitaries who graced the the Summit were: **Lt Gen (Dr) AKS Chandele PVSM, AVSM (Retd),** President, IETE; **Prof Ramjee Prasad**, Founder Chair, GISFI & Founder President, CTIF Global Capsule (CGC), Denmark; **Prof Peter Lindgren**, Multi Business Model Innovation and Technology, Aarhus University, Denmark; **Smt Aruna Sundararajan,** Secretary, MC&IT, New Delhi; **Mr Peter Taksøe-Jensen,** Hon'ble Ambassador of Danish Embassy, New Delhi and **Smt Smriti Dagur**, Immdt Past President, IETE.

The first day was spread over three sessions, which were: *Standardization in the Evolving Smart Cities; Agriculture+Steel+IT+Telecom = 5G Smart City*, and *India's need of 5G Smart City* chaired by Dr Ashok Chandra,

Former Wireless Advisor, GoI; Dr Krishna Sirohi, Founder Director i2TB Innovation and Prof Raja Kumar, Dir, IIT Bhubaneshwar, respectively. The second day accommodated seven sessions and these were on: *Security and Privacy; Cloud Service Oriented Network (CSeON); Internet of Things; Special Interest Group; Future Radio Network*; *Green ICT* and *Spectrum.* These sessions were chaired by Dr Anand R Prasad, NEC; Dr Parag Prusti, NIKSUN; Dr Balamuralidhar P, TCS; Dr Krishna Sirohi, Founder Director i2TB Research Foundation & GISFI; Dr Basavaraj Hooli, Individual Member and the concluding session was chaired by Dr P K Garg, Former Member, Radio Regulations Board, ITU.

Each session included number of eminent speakers from their respective domains and the event witnessed inspiring presentations, dialogues and fruitful discussions.

The *Hon'ble Governor of Uttar Pradesh, Shri Ram Naik* the Chief Guest and President IETE, *Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd),* the Guest of Honour & keynote speaker during the inauguration of the *International Conference on Computing, Communication and Control Technology (IC⁴T-2016)* held on Nov 10, 2016 at Shri Ramswaroop Memorial Group of Professional Colleges, Lucknow.

Call for Nominations for IETE Awards-2017

The IETE Awards were established to recognize excellent scientific and technological achievements in the scientific fields covered by the Institution. Most of these IETE Awards are presented at the Annual Technical Convention(ATC) of IETE.

The Call for Nominations is now open for the year 2017.

Nomination Submission Deadline: IETE Main Awards and IETE Corporate Awards: **May 31, 2017**

IETE Main Awards under consideration are presented to the nominee(s) who has made major scientific contributions in the field(s) as per the specification of the award. Some of these awards consist of a plaque or medal, an honorarium, and travel support to an IETE regional meeting where a lecture will be presented.

IETE Corporate Awards under consideration are presented to Large Enterprises (LEs) and Micro / Small / Medium Enterprises (MSMEs) for recognizing performance excellence of the Corporate Sector (establishment /organization /service entrepreneur/industry).

Details and description of each award can be found at http://www.iete.org/Call%20for%20Nomination%20Main%20Awards-2017.pdf

IETE AWARDS

IETE MAIN AWARDS

- IETE - Ram Lal Wadhwa Award – (Electronics and Telecommunication Engineering)
- IETE - Hari Ramji Toshniwal Award –(Electronic Instruments and related Systems)
- IETE - Bimal Bose Award –(Power Electronics)
- IETE - Lal C Verman Award –(Standardization, quality control and precision measurements)
- IETE - IRSI (83) Main Award & IETE - IRSI (83) Young Scientist Award – (Radar Science & Technologies)
- IETE - Flt Lt Tanmaya Singh Dandass Memorial Award-(Avionics)
- IETE - Prof K Sreenivasan Memorial Award –(Teaching in electronics and telecommunication engineering)
- IETE - Prof SVC Aiya Memorial Award – (Electronics and Telecommunication research work)
- IETE - Prof S N Mitra Memorial Award- (Radio broadcast science and technology)
- IETE-Bapuseetharam Award (Biennial)- (Electronic Components)
- IETE - B V Baliga Memorial – (Electronics and Telecommunication with emphasis on R & D and industrial development)
- IETE - N V Gadadhar Memorial Award – (Electronics and Telecommunication Engineering with emphasis on Mobile Radio Communication)
- IETE - B R Batra Memorial Award – (Selfless service to the cause of the IETE)

- IETE - R S Khandpur Award – (Medical Instrumentation)
- IETE – Brig M L Anand Award- (Applications of networking and internet)
- IETE - Biman Behari Sen Memorial Award – (Electronics and Telecommunications with emphasis on R & D and industrial development)
- IETE-Life Time Achievements Award – (Electronics, Telecommunication & allied fields)
- IETE- Smt Manorama Rathore Memorial –(Electronics and / or Communication)
- IETE- Smt Ranjana Pal Memorial Award – (RF Communications, Electromagnetic, Antennas, Microwaves Circuits, Devices etc.)
- IETE-Smt Triveni Devi Gupta Memorial Award – (Electronics, Telecommunications, Medical Electronics, Broadcasting, IT, ICT, E-Governance, Computer Technology, RF, e-Education, Electrical Technology).
- IETE-Technomedia Award- (Electronics and Telecommunication, Computer Science, Information Technology Engineering)
- IETE- Shri Devi Singh Tyagi Memorial Award – (Avionics)

IETE CORPORATE AWARDS In the categories of Large Enterprises (LEs), and Micro/Small/ Medium Enterprises (MSMEs) in each of the following areas:
- Electronic Components.
- Computer and Telecommunication Systems.
- Development of Software.
- Electronic Instruments and Instrumentation.

If you have any query please mail us at mgeditor@iete.org or contact on +011-43538845

Asia Pacific Microwave Conference (5th - 9th) Dec 2016, New Delhi