FROM PRESIDENT'S DESK

Dear Members,

Season's Greetings and a healthy, prosperous New Year to all our members and the students.

I convey my very best wishes and sincere thanks to all of you as we wrap up 2015 and shift our momentum into the next calendar year. The year 2015 has been a year of great hope and challenges. While at national level our honourable Pradhan Mantri's ambitious programmes like Swacch Bharat, Make in India and Digital India and actions on various fronts of Electronics, Telecom, information Technology has been the hallmark of achievements, at IETE, we have deliberated on many educational & professional development issues. I believe that we have reasons to be enormously proud in our accomplishments and look forward with enthusiasm to next year at the IETE.

Just a few outstanding examples: Increased diversity to Skill Development courses aiming at national programmes; training of youth under various Sector Skill Councils; selecting themes for our seminars, workshops, conferences revolving around the nation's agenda; creating visibility of IETE Journals at international platform; giving electronic accessibility to diverse members for old IETE Journals through our website; accepting good number of submissions from international authors in our publications; inking MoUs with sister societies for a symbiotic relationship, with initiatives arising from both sides and with reciprocal support. Recently, GISFI jointly with NICT, IEEE, IETE and CTIF organised a successful Global Wireless Summit-2015 at Hyderabad, where IETE members particitated in large numbers.

In between IETE also conducted Apex Forums on Internet Governance and Monitoring & Control Systems for Safer Rail Transport, which have turned out to be good success. These have been sent to relevant Govt departments. These proceedings are available on our official website for interested members. The Technology Regulatory Advisory Committee (TRAC) held meetings on very apt areas, i.e. Net Neutrality & EMF Radiation, and submitted suggestions on implementation of Bharatnet, National Family Location and personal Monitoring (NFLPM) system for emergencies.

As we enter into this New Year, we have got a lot to look forward to. IETE has undertaken entrepreneurship and skill building of the youth for self-employment in areas of telecom, electronics, IT and Computers but the success rate is less. Our present approach for skill formation has certain critical gaps be it student mobilization, willingness of our Centres to conduct such courses; availability of trainers or to get them trained as master trainers. These are not in consonance with the current requirement of various sectors etc. Thus our Centres have to take initiatives to repurpose, reorient and expand existing vision so that as a whole IETE could establish a credible, trustworthy, and reliable training, testing and certification structure linked to national standards and responsive to the needs of the market demand. We have to act in a concerted manner so that these opportunities materialize and operate as an employability guarantee. I hope that each Centre Chairperson will support us as we continue this journey. I also request our members to participate in Smart Cities projects of the Government through various IETE Centres. The Centres should look into the solar energy generation projects to contribute to the Green Environment and also skill training in this area. Congratulations to the Delhi Centre for taking this initiative in the lead.

This is a great Institution and as a part of it we will maintain this year's momentum and actively work to shape our own future as one of the nation's premier organizations.

With very best wishes,

Smriti Dagur

CONTENTS

IETE HQs, New Delhi

News from Headquarters

Report on 58th Annual Technical Convention –ATC 2015

IETE organized its 58th Annual Technical Convention on "**Computing & Communications for Social Development (CCSD 2015)**" at the Sonet Hotel & TCS Auditorium, Kolkata, during **25-27 Sep 2015**. The event was graced by **Dr Sekhar Basu**, Director, BARC, (at present, Secretary & Chairman Atomic Energy Commission, Govt. of India) as the Chief Guest; **Dr Dinesh K Srivastava**, Director, Varible Energy Cyclotron Centre (VECC), as the Guest of Honour; **Prof P K Das**, Vice Chairman, Kolkata Centre; **Smt Smriti Dagur**, President IETE; **Dr M H Kori**, Chairman TPPC, **Prof (Dr) A K Saini**, Zonal Coordinator (East) and **Maj Gen P K Jaggia, VSM (Retd)**, Secretary General, IETE HQ. Many senior members of IETE, awardees, special invitees, chairpersons and office bearers of various IETE Centres, invited speakers, the EC members of IETE Kolkata Centre also graced the function.

The overview of the convention and the welcome address was presented by **Dr M H Kori**. **Smt Smriti Dagur** was re-installed as President of IETE for the year 2015-16 by the Chief Guest, **Dr Sekhar Basu.** He also handed over the IETE annual awards to the awardees and felicitated them. The coveted **IETE Honorary Fellowship 2014-15** was conferred on **Shri S Ramadorai,** Chairman of National Skill Development Agency & the National Skill Development Corporation; **IETE Life Time Achievement Award 2014-15** was conferred on **Prof S C Dutta Roy**, Former Prof IIT, Delhi & Past Vice President IETE as well as **Brig S V S Chowdhry (Retd)**, Past President IETE. **Lt Gen Ashok Agarwal, PVSM (Retd)**, Past President, IETE & **Shri M L Gupta**, Past Vice-President IETE were conferred with the **Distinguished Fellowships** of the institution. The first two Best Centre Awards for the year 2014-15 were bagged by **IETE Delhi Centre & IETE Chandigarh Centre** respectively. To commemorate the 58th ATC of the Institution a souvenir was also released .

Dr Sekhar Basu, Director, BARC, the speaker for **47th Bhabha Memorial Lecture** was introduced by **Prof (Dr) A K Saini,** IETE Zonal Coordinator (East). Speaking on "**Towards Self Reliance in Electronics & Computers",** Dr Basu gave an overview of the developments taken place in the field of technologies in electronics, telecommunication and computer and its impact on Indian economy, overall growth of the nation and effect on the common man in his day to day life. **Smt Smriti Dagur**, President IETE felicitated **Dr Basu & Dr Dinesh K Srivastava** by offering them a shawl and memento on behalf of IETE. The vote of thanks was proposed by **Maj Gen P K Jaggia, AVSM (Retd),** Secy General, IETE.

The technical convention held in four sessions was spread over two days. Tech **session I** was on- "**IoT & VLSI in Healthcare**", chaired by **Prof Dhrubajyoti Chattopadhyay**, VC, Amity University, Kolkata. The invited speakers in the session were: **Prof Bhargab Bhattacharya,** ISI, Kolkata, on "**Connecting Computing, Control and Communication: The Role of Integrated Circuits**"; **Prof Nandini Mukherjee,** Dept of CS Engg, Jadavpur University on "**Remote Healthcare Delivery in Virtualized Sensor-Cloud Environment**"; **Dr Arpan Pal,** Principal Scientist and Head**,** TCS Innovation Lab, Kolkata, spoke on "**Using Internet of Things for social development - Applications in Healthcare and Education**". The **session II** on "**Big Data & ICT",** was chaired by **Prof S C Dutta Roy**. The speakers in this session were : **Prof Swapna Banerjee,** Dept of EC Engg, IIT Kharagpur on "**Cloud Computing based Non-invasive Glucose Monitoring for Diabetes Care**"; **Prof Iti Saha Misra,** Dept of ETC, Jadavpur University on "**Technology Communication for Development and Social Change**" and **Prof Debashis Saha,** MIS and Computer Science Group, IIM Calcutta on "**Does ICT matter in Human Development?**

ICT & Social Development was the next session chaired by **Brig S V S Chowdhry (Retd)**, Past President & DF IETE. The topics of the speakers in this session were : "**Computing and Communication for Improving Quality of Life: Role of Technical Education System**", by **Professor Swapan Bhattacharya, Dir, NIT Suratkal;** "**Communications in a Smart Power Utility**" by **Shri Sumit Poddar,** Calcutta

Electric Supply Corporation; **"Inclusive Development through innovation in ICT** by **Col A K Nath (Retd)**, Exec Dir, C-DAC, Kolkata and **"Digital India: 2020"** by **Lt Gen A K Agarwal, PVSM (Retd),** Past President & DF IETE.

Prof Arup Bhaumik, Principal of RCC Institute of Information Technology, Kolkata chaired the **session IV** on "**Sensing & Healthcare Technology**". Speakers and their talks in the session were: **Prof Aditya Bagchi,** ECS, ISI, Kolkata on **"Data Mining by Restrictive Graph Pruning: An experience with Systems Biology"; Prof Susanta Chakraborty,** Dept of CS, Indian Institute of Engineering Science and Technology, Kolkata on **"Digital Micro-fluidic Bio-Chip"** and **Dr Nilanjan Banerjee,** IBM Research Lab, New Delhi on **"Smartphone Middleware for Social Sensing".**

The **38th Ram Lal Wadhwa Award** lecture was delivered by **Dr V M Pandharipande**, former Vice-Chancellor–Dr Babasaheb Ambedkar Marathwada University, Aurangabad; Adjunct Professor, Dept of ECE & Hony Dir, Center for Excellence in Microwave Engg, College of Engg, Osmania Univ, Hyderabad on "**Teaching and Research in Microwaves**". Dedicating this award to Prof G S Sanyal, DFIETE and Prof B N Das, his great teachers from West Bengal, he said that they had taught him how to teach & do research in high frequency waves called Microwaves. He was of the view that even difficult subjects could be made easier, if one changes the style of teaching, read in between the lines and think beyond text books. He shared with the audience his enjoyable learning experience of Microwaves during IIT days. In his address, he remarked, "Progress is a virtuous circle, in which pure science and practical applications are mutually reinforcing. Technological progress is a complex process and if we are to get grips with complexity of technology, we have to develop building blocks that are more energy efficient, faster, more selective (more sensitive to the right signals) and which generates less waste". He further said, "Knowledge of networks i.e complex systems, enable us to think more clearly about factors like the capacity for self repair, intelligence and stability. The ability to adapt is important if complex systems are to be developed effectively. It is essential therefore that software and hardware are developed in an integrated way so that they can incorporate the necessary flexibility. We have to align the universal properties of the hardware more closely with the software that controls it. Technology is often just a part of the solution, social will and personal motivation are every bit as important". He also mentioned some important challenges for the future that demands serious attention of the scientists and engineers to make the world a better place to livein.

The ATC 2015 concluded with valedictory session attended by several members. A cultural programme by Srinjini Group based on bengali culture and music was arranged by Prof (Dr) Sonali Bandyopadhyay, Cultural Dept of Ravindra Bharati University, Kolkata and was thoroughly enjoyed by everyone.

Glimpses of ATC 2015

IETE Celebrates its 62nd Foundation Day

The Institution of Electronics and Telecommunication Engineers celebrated its 62nd Foundation Day on Nov 02, 2015**.** The foundation stone for the nationally recognized Institution was laid by Dr Radhakrishnan, then President of India on Nov 2, 1953. IETE was one of the earliest institutions to be established in the country in the area telecommunications & electronics and since then the Institution has grown steadily.

The welcome address was presented by **Prof (Dr) S K Aggarwal**, who gave an overview on the theme of the day **"Role of IETE in Digital India."** Highlighting the catchphrase of sabka saath sabka vikaas, **Mrs Smriti Dagur**, President IETE in her address said, "When power of ICT will be in hands of Aam Aadmi, it will elevate India to gain leadership in adoption & manufacturing IT products & services and empower citizens with digital inclusions and job opportunities." She said that IETE wants to participate in providing solutions to the problems by participating wholeheartedly in digital India programmes.

Prof K K Aggarwal, Chancellor, K R Mangalam University, captivated the audience with his realistic speech. He was of the view that digitization should be used for solving the last man's problem. Pointing at some dichotomies, he said that the aim of providing skilled courses in India should be at restoring the prestige of a skilled man in the society. He said that online learning and Massive Online Open Courses (MOOCS) are said to be the next big thing and there is a strong need to blend online learning with experts/ best teachers sitting anywhere without any geographical parameters. According to him the necessity is to optimally use the resources, which could be the changer for the country.

Shri Vimal Wakhlu, CMD, TCIL, presented his thoughts vide a meaningful presentation. **Dr Muktesh Chander**, (IPS), Special Commissioner of Police Traffic, Delhi, highlighted the importance of cyber-forensics in coming times and suggested that IETE could play a vital role in initiating specialized courses for Cyber Security professionals. **Dr Ashwini Kumar Sharma**, MD, NIELIT, talked about Digital India and its mission which should be to provide infrastructure, connectivity, empowerment to all the citizens. He informed the recent agreement between NIELIT & IETE that shall provide Skill development courses together in this direction. The Chief Guest **Dr Satheesh G Reddy**, Scientific Advisor to Raksha Mantri, Govt of India, and FIETE, stressed on the need for infrastructure building at the rural areas; Professional institutions to come out with appropriate policies where domain experts could be utilized even after their retirement age; and how IETE could make the dream of Digital India come true vide offering concrete job-oriented programmes/ courses in the skill development areas. He even suggested that a team of members with feasible ideas should establish a direct linkage with the Ministries for initiating such courses. He also handed over the mementos to some senior members present on the occasion.

Distinguished Senior Members honoured during the event were: Shri Satya Pal (F-000785); Maj Gen Yashwant Deva, AVSM (Retd) (DF-002695); Shri KC Chhabra (F-010288); Shri BK Mitra (F-010924); Shri MS Lohli (F-012205); Shri VK Gupta (F-012510); Shri RN Goyal (F-015072); Shri Gyaneshwar Bali (M-019733); Shri YL Agarwal (DF-023504); Dr Anil Kumar (F-029730); Shri BK Syngal (F-034959); Shri KR Gupta (F-036806); Shri RK Gupta (F-048346); Wg Cdr KC Bharadwaj (Retd) (F-048493); Shri VN Choudhary (F-060942); Brig SK Arora (Retd) (F-087157); Shri IP Benjamin (F-094443); Shri KN Gupta (F-116414); Shri KD Bhargava (F-119773); Air Cmde KR Bali (Retd) (F-120686); Wg Cdr Tilak Raj Bhalla (Retd) (F-123481); Air Cmde SS Motial (Retd) (F-123992); Maj I M Kapoor (Retd) (F-141737); Shri AV Swaminathan (F-159795); AVM RP Mishra (Retd) (F-166143); Shri P Mohammad and Prof (Dr) HS Dua (F-182381).

Apart from the members of the Institution, the Foundation Day function was attended in large numbers by the students of IETE.

21ˢᵗ Sir J C Bose Memorial Lecture

IETE Mumbai Centre organized **21ˢᵗ Sir J C Bose Memorial Lecture** this year at Shivajirao S Jondhale College of Engineering, Dombivli (E), Thane on **28ᵗʰ Nov 2015**. This lecture is organized every year on 30ᵗʰ Nov, the birth anniversary of Sir J C Bose. This memorial lecture is a fitting tribute to the illustrious and pioneering scientist of India. On this occasion, **Prof (Dr) M V Pitke**, Former Professor TIFR, Mumbai and Founding Director C-DoT, New Delhi, delivered his talk on "**How Advanced Wireless Technology was developed ahead of its time with very simple apparatus by Sir J C Bose**", the work which lead him to award. **Dr J W Bakal**, Zonal Coordinator (West) & Chairman- Academic Committee, IETE HQ, and Principal, Shivajirao S. Jondhale College of Engg, Thane was the Guest of Honour. The other dignitaries on the dais were: **Mrs Smriti Dagur**, President IETE, **Dr Sushil Thale**, Centre Chairman &
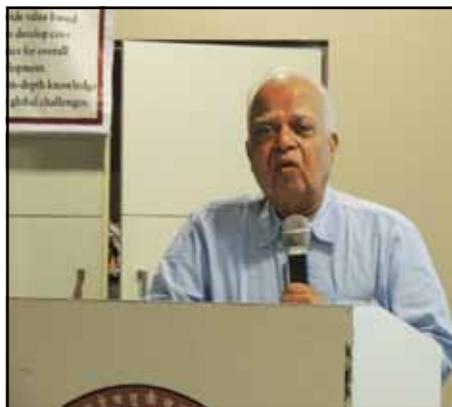
**Prof (Dr) M V Pitke delivering
21ˢᵗ Sir J C Bose Memorial Lecture at Thane**

Shri K P Kumar, Treasurer IETE Mumbai Centre and **Prof Smita Lonkar**.

During his address, Dr M V Pitke demonstrated the generation, transmission and reception of radio waves to the audience. He explained receiver based on several types of detectors, including a point contact galena detector as proposed by Sir J C Bose. He also explained the experimentation 'millimeter communication' (60GHz) and use of Horn Antennas (similar to those currently in use) as waveguides. He emphasized on how simple equipment can produce outstanding results. The 21ˢᵗ Sir J C Bose Memorial Lecture was a great experience for the audience with a great message 'how simple experiments can lead to a great innovation'. More than 50 members of IETE witnessed the Lecture.

Prof S N Ghosh Award Lecture 2015

To perpetuate interest in fields of research, Prof S N Ghose had made an Endowment to IETE Allahabad Centre to organize every year a research level lecture from an eminent Scientist of India & abroad and recognize his outstanding contribution and achievements in the field. The Allahabad Centre therefore organizes the lecture by eminent scientists including many eminent personalities of the country.

This year this prestigious award was conferred on **Dr D C Pande**, Scientist 'H', Outstanding Scientist, DRDO by the Vice Chancellor of Allahabad University, **Prof A Satyanarayan** on 12ᵗʰ Sept 2015 at S N Ghosh Auditorium, J K Institute of Applied Physics & Technology, Univ of Allahabad. The awardee delivered his award lecture on **"Military Applications of Radars- Indian Perspective"**. On his address on this Technology, he said, "By digitizing and processing radar return signals, modern radar systems can perform simultaneously, in support of different applications, including search, surveillance, target tracking, fire control, imaging, and weather monitoring. Besides the replacement of Transmit-Receive-Modules (TRMs) to conventional microwave tubes in the Active Aperture Phase Array Radar and, Digital Beam Forming (DBF) technology have brought major revolution in making smart and intelligent

**Dr D C Pande, Scientist 'H', Outstanding Scientist, DRDO,
the speaker of Prof S N Ghosh Award Lecture 2015 receiving the
Award at IETE Allahabad Centre**

Radar. The proliferation of Synthetic Aperture Radar (SAR), Inverse Synthetic Radar (ISAR), MIMO Radar, Cognizant Radar and Distributed Network Radar are opening new vistas in the advancement of Radar Technologies." In his presentation, he highlighted the role of LRDE as nodal research & development house to design and develop Military Radars to achieve self reliance and also talked about the future technologies to be adopted to provide Armed Forces, the superior world class Radars.

IETE Apex Forum on
"Monitoring & Control Systems for Safer Rail Transport"

The Apex Forum on **Monitoring & Control Systems for Safer Rail Transport** was held at IETE Allahabad Centre on 12th Sept 2015. **Er Arun Saksena**, Gen Mgr, North Central Railway, was the Chief Guest on the occasion, while **Dr Pawan Kapur,** Chairman of Skill Development & Industrial Coordination Committee (SD&ICC) co-ordinated the proceedings of the day. **Shri Mahesh Mangal**, GM, CORE, who was supposed to be one of the dignitaries to grace this occasion, could not come due to some urgent commitment. **Smt Smriti Dagur,** President IETE presided over the forum. **Shri M K Singh**, Chairman IETE Allahabad Centre & **Dr Ashish Khare** were also present on the occasion.

The Apex Forum had detailed discussions on different aspects such as: technology development, application areas, maintenance aspect, skill upliftment of works both at operation and at (RDSO) production level. Various experts representing research, academic (IIIT, JK Institute of Technology, Allahabad), railway officials (CORE, NCR), industry representatives, professional bodies like IETE, expressed their ideas on the theme. Based on the home work a MoU was thought to be framed out for its implementation. The MoU may include details of the course content, text, duration, (lecture-hours), faculty, certification and the sponsorship of candidates/workers by the concerned railway department. The Chairman SD&ICC and Chairman IETE-Allahabad Centre were asked to workout further modalities with the association of local industry/academic expert for the drafting the same & its subsequent approval. The recommendations have been compiled in the form the proceedings to be sent to relevant departments. Based on subsequent discussions it was decided that the course on Railway signalling to may be started immediately at Allahabad with the support of railway officials. IETE-office bearers and the expert could be pooled locally. The certification to the course can be provided by the railways, who are the direct beneficiary to its outcome. Subsequently the course can be emulated at other IETE Centres as railways have several workshops in different locations where such programmes may run effectively.

The efforts made by all concerned and specifically the verbal concurrence in principal by Railway Officials to encourage the local IETE Centre for its effective launch was deeply appreciated and acknowledged.

IETE Apex Forum at Allahabad

Nominated IETE Governing Council Member (2015-16)

Lt Gen Dr S P Kochhar, AVSM**, SM, VSM (Retd) (F107374L), CEO, TSSC, is an accomplished technocrat & business leader. With an intensive experience of 39 years, Lt Gen Kochhar is an illustrious professional who carries technical acumen and management expertise in Telecom and ICT sector of the country. Leading multiple roles including technological advancements in a prolific manner, in various environments to attain larger goal, is something he counts on. He drives his team & peers alike to bring out their best for the tasks assigned to them. As a technocrat, he is recognized for goal orientation and thoroughness.

Lt Gen Kochhar has served the Indian Army in distinguished capacities. As Signal Officer-in-Chief, he has successfully introduced Greenfield concepts. His academic pursuits include Doctorate, National Security and Strategic Studies Course, MPhil (Strategic Studies), MPhil (Defense Studies), Higher Command Course, Senior Command Course, Technical Staff Course, M Tech (Communication & Radar) from IITD and B Tech (Telecommunication).

Dr Neeta Shah (F237238L) is PhD in IT Management; MBA from the B K School of Business Mgmt, Gujarat University; MSc– Electronics, Gujarat University and BSc Physics from St Xaviers College, Gujarat University, Ahmedabad. At present she is Director (e-Governance), with Gujarat Informatics Ltd, Gandhinagar. She was Deputy General Manager (Marketing) at Industrial Extension Bureau (INDEXTB), where she has more than 15 years of experience at various capacities. Dr Shah has been conceptualizing, supporting, managing and coordinating e-Governance projects & related activities in Government of Gujarat. She is also the recipient of e-Governance Champion Award, listed in top 50 women in India; has been instrumental in getting more than 165 eGovernance awards for state of Gujarat; Co-ordinating and publishing egovernance newsletter monthly since last 10 years and has presented technical papers at national and international conferences. Under society activities, she has been associated with Women's wing of BAPS since last 35 years; working for sensitization and empowerment of women in all aspects including health, education, family harmony preserving Indian culture, values and social upliftment.

Prof Raghunath K. Shevgaonkar (F104016L) has been an active researcher in the area of Electromagnetics, Optical communication, Image processing, Antennas, Microwaves, Radio astronomy etc. He is a Fellow of IEEE, INAE, NASI, IETE, OSI, IE, MAS. He was Vice Chancellor of University of Pune and Director of IIT Delhi. He is recipient of IEEE William E. Sayle Award for Achievements in Engineering Education and research, IEEE Undergraduate Teaching award, IETE CEOT-94 award in photonics, 'Excellence in Teaching' award' of IIT Bombay, VASVIK Award, and IETE – Ram Lal Wadhwa Award. He has published two books namely Electromagnetic Waves, and Transmission lines with McGraw Hill Education. His has also developed video and web lectures on Electromagnetics and Fiber optic communication.

IAFI Lecture Series

ITU-APT Foundation of India (IAFI) Lecture Series was held on 23rd Nov 2015 at Delton Hall, IETE, New Delhi, by CMAI jointly with IETE.

The lectures were delivered by two renowned international guest speakers **Dr Rick Oliver,** CEO & Vice-Chancellor of American Sentinel University, on India's Billion Brains leading the 21st Century and **Mr Dan Cohalan,** VP of Royal Bank of Canada, on Corporate Social Responsibility. **Shri Anupam Srivastava,** CMD BSNL was a Chief Guest at the event and delivered an inaugural address. **Dr S K Hajela,** Chairman IAFI welcomed the guests and the participants and **Mrs Smriti Dagur,** President IETE also addressed the gathering.

IAFI Lecture Series
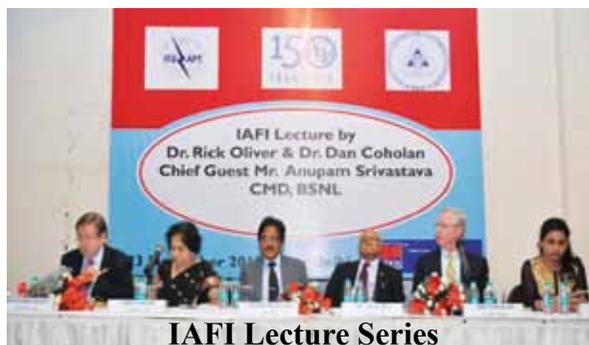
News from Centres

A variety of activities were organized by IETE Centres/ Sub-Centres during the last quarter of the year. Even though we are taking every care and effort to publish all the reports that we receive from centres and colleges, some time due to certain constraints, we may not be able to publish all the reports. This should not deter the spirit of the Centres in contributing articles and news and we request them to continue to keep sending activity reports as ever.

AHMEDABAD

- The Centre celebrated **Engineers' Day** on 15th Sep 2015 at Government Engineering College, Gandhinagar, Ahmedabad. **Prof (Dr) Kishor G Maradia**, Centre Chairman in his address "**Challenges for Engineer's in knowledge era**" talked about the tradition and importance of the Engineer's Day and the challenges faced by today's engineer community. **Prof Satydev Vyas**, HoD/CE, Institute of Technology, delivered a lecture on "**Challenges in Design of Applications using AVR- Microcontroller**". Other eminent persons present on the dais were: **Prof (Dr) Chetan Bhatt**, Principal, **Prof M B Chaudhari**, HoD/CE and **Prof V J Chavda**, EC Dept of GEC, Gandhinagar. Shri Madhukant Patel, Immdt Past Centre Chairman, was also present in the event. Vote of thanks was proposed by Prof V J Chavda, EC/GEC.

- The **62nd IETE Foundation Day** was celebrated on 2nd Nov 2015 on "**Role of IETE in Digital India**". **Prof (Dr) M N Patel**, VC, Gujarat University, Ahmedabad, graced the occasion as the Chief Guest while **Dr Neeta Shah**, Former Dir, E-Governance, Gujarat Informatics Ltd, E-Governance Gandhinagar, participated as the theme speaker. The Centre Chairman delivered the welcome address and read out the message from President IETE. **Dr Mihir V Shah**, Hony Secretary and **Shri P M Dhruva,** Hony Treasurer introduced the chief guest and the theme speaker respectively. Dr Neeta Shah in her presentation informed about the nine pillars of digital India policy and pin pointed the areas in which IETE members could contribute. The Chief Guest highlighted the importance of IETE Ahmedabad for development of cities, in digital India, in building the nation and technical community. He also urged the members, students to work hard to contribute towards society and nation building. Senior members felicitated by the Centre were: **Shri H S Kothari** (M-018414); **Shri R N Mutagi** (F-060214); **Shri Lalit Bhalotia** (F-052549); **Shri Mohiuddin Khan** (F-045542); **Shri A K Ogra** (F-062513) **Shri P R Shah** (AM-0328081).

ALLAHABAD

The Centre organized **62nd IETE Foundation Day** at IETE Building, JK Institute of Applied Physics and Technology, Univ of Allahabad, on 5th Nov 2015. The Chief Guest **Er Mahesh Mangal**, GM, Central Organization of Railway Electrification (CORE) in his address highlighted the high demand of skill persons in railway signaling, electrification and material testing. He gave a glimpse of use of IT in Railways and informed that a lot of innovation is needed to upgrade the existing system of Indian railways. He congratulated & prompted IETE to start skill development program on railway signalling and computerized material testing in collaboration with Chandra Metals Ltd. & University of Allahabad. **Shri Manish Vig,** Dir, Chandra Metals Ltd. sensitized the audience about the criticality of Skill Development as an accelerator for the Digital India campaign. He said that this campaign needs to go hand-in-hand with the Skill Development Policy to achieve the desired results. He further hinted at the huge "Digital Talent Gap" faced by organizations not only in India but across the globe today and stressed upon the need for a roadmap for successful skills development programmes. He said the concept of Smart Cities will require a different workforce to run its services and there is a scope for innovating new courses for training of municipal staff, building management, waste disposal and a plethora of other functions. Shri Vig further mentioned that Chandra Metals Ltd. would launch a "Center of Excellence for Skill Development" in Allahabad under the support and patronage of Indian Railways and in collaboration with IETE. Prominent dignitaries from academia, industry, railway and student attended the event.

AMBALA

IETE Ambala Sub-Centre organized **IETE Foundation Day** at Dept of EE, Geeta Institute of Mgmt & Tech, Kanipla, Kurukshetra (GIMT) on 2nd Nov 2015, in the presence of **Dr**

Sanjay Sharma, Centre Chairman, the Chief Guest. **Dr Anil Jain**, MD of Vaiseshika Electronics Ambala and immediate past Chairman of IETE Ambala Sub Centre, delivered his address on "**Role of IETE in Digital India**". **Er JS Arya,** DSW GIMT, focused his talk on "**Electrical Power and Power Transmission**". Technical quiz. students of GIMT presented a number of technical papers on IETE Foundation Day. Prof (Dr) Dalvinder Mangal, EE Dept, concluded the function with vote of thanks.

AMRAVATI

- An awareness program on **Misuses of Social Networking Sites** i.e. Facebook, Whats App etc. was organized on 18th Aug 2015 at Holy Cross English High School, Amravati. ISF members, Ms Chakor Bohra & Ms Pallavi Isal, alumni members of this High School, conducted this program for the girl students of IX & X Std. **Prof Ajay Thakare,** Centre Chairman , Prof Nilesh Kasat, EC member, Principal of the School were present on this occasion.

- A **PCB Design Workshop** was organized on 26th Aug 2015 at GH Raisoni Polytechnic Amravati. Students of Polytechnic and ITI participated in this workshop.

- Seminar on **Global Satellite Communication** was held on 12th Sep 2015.

- **Engineers' Day** was celebrated on 15th Sep 2015 in the presence of **Dr S A Ladhake**, Principal, Sipna COET; with Centre Chairman & Hony Secretary of the Centre.

- An **Industrial visit** of ISF Students to Benix, Saturna Estate, MIDC Amravati, was arranged on 27th Sep, 2015.

ISF visit to Industry

BANGALORE

A number of technical activities conducted by the Centre were:-

- **11th Jul 2015**: **MATLAB/SIMULINK** course was conducted by **Prof Shivaprasad Yadav**, MSR Institute of Technology Bangalore.

- **19th Jul 2015**: **Advanced FPGA Design** course arranged for 8 weeks was conducted by **Er Anil Kumar T S.** It was attended by participants of different engg colleges and industry professionals.

- **2nd Aug 2015**: Short term course on **JAVA/Android** was conducted by **Ms Bidyamini Panda,** Software Engineering, TCS, Bangalore.

- **15th Aug 2015**: **Independence Day** was celebrated by the Centre.

- **23rd-29th Aug 2015**: **Shri Malhar Deshpande,** FIETE, Country Head, Cytech Global Pvt Ltd conducted a short-term course on **Embedded System Design** for the industry as well as engineering colleges especially for the benefits of 5th & 7th semester students.

- **4th Sep 2015**: **Dr Chaitanya Kumar**, Principal, HKBK College of Engineering, Bangalore delivered a technical talk on "**Electromagnetic waves Field Theory**" to 2nd year student at EC Dept, Sri Sairam Engineering College, Anekal, Bangalore.

- **9th-10th Sep 2015**: Adhyamaan College of Engg, Hosur, organized a national conference on **Computing, Control and Communication Systems-2015 (CCCS-2015). Prof V Mahadevan,** Vice-Chairman, IETE Bangalore was the key note speaker on the occasion.

- **10th Sep 2015**: **Dr M H Kori**, Chairman (TPPC), and Governing Council Member, delivered an invited talk at JSS Academy Technical Education.

- **12th Sep 2015**: **Shri Linkan Das**, software professional from EMC Square, delivered a technical talk on **Cyber Security & Information System** at Rajiv Gandhi Institute of Technology. **Prof H S Bhatia** graced the event as chief guest.

- **15th Sep 2015**: **Engineers' Day** celebrated with a technical talk on "**Micro-Opto-Electro-Mechanical-System" (MOEMS)**, was delivered by **Dr T Srinivas**, EC Dept, IISc, Bangalore.

- **27th Sep 2015**: One day workshop on "**DSP from Concepts to Applications**", was organized in association with Dept of EC, MS Ramaiah Institute of Technology, Bangalore with an aim to train students, faculties and industry experts working in the area of signal processing. The participants

were from different engineering colleges of Karnataka and Andhra Pradesh, from ADA, Min of Defence, Bangalore, working for the indigenous prestigious project TEJAS aircraft, Scientists from LRDE and ISRO and faculties from different engineering were also present. **Dr Vengadarajan**, Vice Chairman of the Centre, inaugurated the workshop and emphasized on interlinking of the technologies which is important for effective solutions.

Workshop on DSP from Concepts to Applications being inaugurated

- **23rd Oct 2015** : The Centre celebrated Ayudh Pooja. Wg Cdr HR Parthasarathy performed the traditional Pooja.

CHANDIGARH

A visit to ISF of Ambala College of Engineering & Applied Research, Sambhalkha, Ambala, was organized by the Centre on 17th Sep 2015, where the office bearers of the Centre were welcomed by **Dr Ashok Kumar,** Head ECE and ISF Co-ordinator. **Shri S K Angra,** Chairman of IETE Centre gave a presentation and motivated the students to join the institution for various technical activities for their own benefit. Around 60 students from ECE and Computer Dept & faculty members attended this function.

Dr S K Angra, Centre Chaiperson addressing the participants

CHENNAI

- A two-day workshop on "**Electronics System Modeling (PCB Designing)**" was conducted by the Centre on 27th-28th Aug 2015. ORCAD Tool from Cadence was used for the design & layout of PCBs. The exercise included theory & practical aspect of the PCB design, fabrication electronic circuit design and mounting of components. Certificates were issued to 65 students from eleven engineering colleges who participated in the workshop.

- A meeting with the ISF Coordinators from the nearby engineering colleges attached to Chennai Centre was organized on 23rd Sep 2015, with an objective to motivate the coordinators (faculty & students representatives) to mobilize ISF/Corporate Membership; technical activities. About fifteen HODs/Assoc Profs & twenty two students & office bearers from nineteen engg colleges participated. **Shri S Ramaswamy**, Chairman of the Centre, chaired the meeting and requested the participants to make use of the projects for final year students launched recently by IETE Chennai Centre. **Col (Retd) K S Chakravarthi**, Past Chairman emphasized on the need for active participation from faculties & students in all IETE activities and efforts to enhance membership. **Dr S Swarna Ravindra Babu**, EC Member, gave a presentation on various practical projects launched for UG/PG/PhD students. There was an active interaction between the Centre & participants.

- Celebrating **62nd IETE Foundation Day** on **"Role of IETE in Digital India"** on 2nd Nov 2015 the Centre deliberated on the challenges being faced in this mission and discussed how IETE could be an enabler. The security, privacy, availability, reliability and quality of the infrastructure and services were identified as key focus areas for the success of this mission. Digital India, a transformational Government run program, depends on the successful implementation as well as its secure and reliable operation. IETE with its expertise can enable this by offering it services in advisory, consultative and training roles. The Chief Guest for the function was **Shri V K Singh**, Controller, Quality Assurance (Armoured Vehicle Electronics), Min of Defence, Govt of India, Chennai, and **Shri K S Sreedharan**, Dir, IT Application, Zoho Corporation, Chennai, Guest of Honour. **Prof Mahesh Kumar,** Dept of EE, IIT Madras,

Chennai, recipient of IETE – Bimal Bose Award – 2015, was felicitated during the fuction. He presented a ppt on his Power Electronics work, leading to the award. **Sri S Ramaswamy** Chairman Chennai Centre and Col **(Retd) K S Chakravarthi**, Past Chairman, IETE Chennai, spoke on the occasion as well. Senior Members IETE were honoured with mementoes. Four student winners of NTPC 2015, who could not be present during awards ceremony at Kolkata ATC 2015, were felicitated with certificates & cash awards.

DELHI

- An **interaction meeting** of faculty with Executive Committee members was held on 5th Sep 2015 at the Centre on the occasion of **Teachers' Day** during which the faculty members assured their full support for taking necessary actions to enhance the quality of education of students.

- In its sincere placement efforts the Centre has successfully placed 15 students of the Centre in various companies. Tireless efforts are being made to invite some more companies for campus placement and to enter into placement tie-up with leading companies such as Rawelcomm, Nettech Pvt. Ltd. etc.

- The Centre celebrated **IETE Foundation Day** on 2nd Nov 2015. On this occasion a talk on **"Digital India and Skill India"** was delivered by **Mrs Meenakshi Vij**.

ERODE

- The erstwhile Salem Centre, has now been renamed as Erode Centre. It organized a skill development programme on Japanese Language Training. **Shri Kumar**, Director, ABK AOTS DOSOKAI, Erode Chapter, conducted the training

program. The programme was inaugurated at Kongu Engg College on 7th Oct 2015. **Dr S Arumugam**, Centre Chairman and CEO, Nandha Educational Institutions; **Prof S Kuppuswami**, Principal of KEC and **Dr N Kasthuri**, Hony Secretary, IETE Erode Centre were present during the inauguration while the Chief Guest invited was **Mrs Uma Ramasubramanaian,** Japanese Proficiency JLPT (N2).

- Dr G Murugesan, Immt past chairman, IETE Erode Centre welcomed the guests on the celebration of **62nd Foundation Day** held on 2nd Nov 2015. **Dr S Arumugam**, Centre Chairman delivered the presidential address and read out the president's message. The guest of honour, **Prof S Kuppuswami (F237070),** Principal, KEC, delivered a talk on "**Role of IETE in Digital India**", which was followed by his felicitations as one of the senior members of IETE Erode centre for his contribution towards the development of technical education. Dr N Kasthuri, Hony Secy, IETE Erode Centre, proposed the vote of thanks.

GOA

- A one-day seminar on **"Use of SCADA and HMI in Industries"** was held on 14th Aug 2015 in ET Dept of Goa College of Engineering in association with IETE Goa Centre, for the students of BE and ME (Industrial Automation and RF Engineering). The resource persons were: **Shri Naik Vishnu** and **Shri Joshua Francis Dias**. About 20 students of the college and faculty from AITD College of Engineering attended the seminar. Held in two sessions, the 1st session introduced the students with SCADA and its usage to monitor industrial activity using Wonderware

Dr S Arumugam, Centre Chairman addressing the audience during the Japanese Language Training

Demonstration on uses of SCADA and HMI in industries at GEC Ponda, Goa

Intouch software; PLC connection and its interface with SCADA system using MODBUS protocol; implementation of SCADA for industrial application. It was an automatic bottle filling application which had sensors, solenoids, conveyor and motors as input and output for the PLC. The PLC used in this project was Delta PLC (DBP14SS2). SCADA system was developed to monitor this entire setup using different tags. IInd session was on HMI. Programming of Delta PLC along with HMI for graphical interface was shown. This also included programming to accept numeric input, using the global function keys for page jump and different button for display.

KANPUR

- One day workshop on **"Cyber Security"** was organized on 16th Aug 2015 at IIT Kanpur by IE (India) Kanpur Centre with technical support of IETE Kanpur Centre. The aim was to make the people aware of social crimes & laws, e-security and prevention of banking frauds. Nearly 75 ISF students from different ISFs attended the workshop. **Dr Kripa Shanker**, Former Vice Chancellor, UPTU, Lucknow & Prof at Dept of Industrial Mgmt Engg, IIT, Kanpur, delivered the key note address. Invited experts were: **Shri Rahul Mishra**, Cyber Security Advisor, UP Police, Cyber Consultant, Innovative Idea Infotech, Lucknow, who in his tutorial provided some basic information & practical

Felicitations during the workshop on Cyber Security

suggestions for protecting the personnel information and computer from cyber attacks, cyber safety; **Shri Sulabh Jain**, Cyber Consultant, Innovative Idea InfoTech Lucknow, gave the information on installation of OS/ Software updates, running of antivirus softwares and prevention of identity thefts & **Ms Ayushi Sabharwal,** Project Head, Innovative Idea Info Tech Lucknow,

talked about turn on personal firewalls, avoid Spyware/ Adware, Project passwords and backup important files. **Dr Narendra Kohli**, Chairman IE(I) Kanpur Centre delivered the welcome address. Based on the views expressed by the speakers and discussion with delegates of this workshop the recommendations made were on stronger need for awareness of the cyber safety at home; cyber safety at work; cyber safety at bank & accounts; protection of password and protection of important files/ folders.

- The Centre jointly with IE(I) Kanpur Centre & Indian National Academy of Engineering, Kanpur Chapter observed **48th Engineers' Day** on 15th Sep 2015 at the Outreach Auditorium, IIT, Kanpur. **Er Anupam Agarwal**, Gen Mgr, Panki Power House, UP Rajya Vidyut Utpadan Nigam Ltd. Kanpur graced the event as the Chief Guest. **Prof A K Chaturvedi**, Dy Dir, IIT, Kanpur, the theme speaker, spoke on **"Engineering Challenges For Knowledge Era". Dr Narendra Kumar Kohli**, Immdt Past Centre Chairman welcomed the audience. **Er U S Yadav, Centre** Chairman, presented the Life sketch of Bharat Ratna, Sir M Visvesvaraya. The other speakers were **Dr Sanjay Kumar Sharma**, Hony Secy & **Prof S C Srivastava**, Chairman, INAE, Kanpur Chapter. A large number of corporate members, students of IIT, Kanpur, Technician/Sr Technician members from different organizations participated.

- A one-day technical program- **Aarambh 2015** on the theme **"Energy Efficient Electronic Systems"** was celebrated on 24th Sep 2015 at Dr Ambedker Institute of Technology for Handicapped (AITH), UP, Awadhpuri, Kanpur. The program was organized in association with the Dept of EE, AITH, Kanpur. The eminent personalities in the inaugural session were: **Er U S Yadav**, Centre Chairman, & Chief Guest of the program; **Prof A K Nagpal**, Dir HBTI, Kanpur, Guest of Honour; **Prof S N Singh** (EED) IIT Kanpur and Dir Arc. **Dr Gaurav Chandra**. The invited talk was delivered by **Er S K Gupta**, Chief Exec, INDISCO, Kanpur on **"Electronic Train Control System (ETCS).** He explained the working of train system using electronics applications and facts on digital and electronic signal system, magnetic system, radio system. He also explained the levels of ETCS, where students can learn and improve the digital radio based system in level 2 and pure

train protection functionality by using multiple sensors in level 3. The second invited talk was delivered by **Dr Rachna Asthana,** Assoc Prof (ET), HBTI Kanpur, on, "**Introduction to Optical Network".** She informed about the use of optical fiber in path protection schemes, line protection schemes in the field of communication. Other activities included were paper presentations, quiz contest, poster presentations. One of the interesting talks delivered was by **Prof Yaduvir Singh,** DPRG & HOD (EED), HBTI Kanpur, on the topic **"Smart Clothes",** wherein he explained the use of electronic systems for manufacturing of smart clothes by using wireless sensor in the field of communication. About 150 students and faculty members enjoyed & appreciated the program.

- **62nd IETE Foundation Day** was celebrated on 2nd Nov 2015. **Er Navpreet Singh**, Chief Engineer (Computer Centre) of IIT Kanpur and the keynote speaker discussed various issues with regard to Digital India and motivated young engineers to participate in the mission of Hon'ble Prime Minister of India, through IETE activities (conferences, seminars, symposia, expert lectures, field visits, workshops etc). **Shri Gaurav Chandra,** Dir, AITH, Kanpur & Guest of Honour in the function also addressed the audience. The Chief Guest **Prof Ashok Kumar,** Dir, HBTI Kanpur, expressing his views, invited the young engineers to make their careers in research especially in the field of semiconductor materials, to achieve the objectives of Digital India. **Er S K Gupta** was felicitated during the event for his exemplary services for the growth of IETE Kanpur Centre.

MHOW

- **Engineers' Day** was organized at the Sub-Centre on 12th -15th Sep 2015 as a two-day celebration. A technical quiz competition was conducted in three rounds on the first day for the students of JE (NE) courses by **Lt Col Sodhi**, FCE, MCTE, Mhow. Six teams participated in the competition. **L/Nk Anil Kumar** & **L/Nk P K Yadav** of JE (NE) course, won the first prize while the other two teams were declared as runner ups. All participants were felicitated with certificates and the winner teams with the cash prizes. **Brig VS Narang**, Chairman, IETE Sub-Centre, MCTE Mhow, also addressed the participants during the competition.

On 15th Sep 2015, a brainstorming seminar was held on **"Network Centric Warfare and Information Operation– an IA Perspective**" in two sessions; simultaneously at two venues: Iyappa Hall & Batra Hall by videoconferencing. **Brig Raj Kapur,** BGS, MCTE, delivered the welcome address. The opening remarks were given by **Lt Gen R S Panwar, SM, VSM, Comdt** MCTE. The keynote address was by **Maj Gen K Jai Singh (Retd**). The first session was dedicated to Network Centric Warfare. The lectures delivered in this session were by **Brig V S Narang**, Cdr FCE, MCTE, on "**Network Centric Warfare: Concepts and Global Status"** and by **Lt Col M Rajesh**, HoD Informatics, FCE, MCTE, on "**Network Security: Architecture for Defence Air Gapped Networks**". In second session **Col Dhody**, SI, FCC&EW, concentrated on **"Information Operations–Concepts and Doctrinal Issues**" followed by a lecture on **"Cyber Deterrence-Concepts & Organization Structures"** by **Maj Shailesh Tiwari,** Instructor FCT&S. The closing remarks were given by **Maj Gen Harvijay Singh**, Dy Comdt & CI.

**Felicitation during the Seminar on
"Network Centric Warfare and Information"**

- A two-day workshop on "**Military Applications of Hand Held Spectrum Analyzer**" was held on 8th – 9th Oct 2015. The inaugural address was delivered by **Brig V S Narang,** Chairman, IETE Sub Centre, MCTE Mhow. The workshop was conducted in four sessions: two indoor and two outdoor sessions. In morning of first day the dignitaries and engineers of Keysight Technologies delivered 04 lectures on various aspects of "**Military Applications of Spectrum Analyzer".** Second half of first day was focused on showcasing products of Keysight Technologies and outdoor training for the participants. The target audience included

12 permanent staff officers and 122 students' officers for both lectures and demonstrations. On second day, the same schedule was repeated for a batch of 10 permanent staff officers, 39 students' officers and 105 students of diploma level courses. The vote of thanks and concluding remarks were given by Assoc Prof (Dr) R M Bodade, organizer of the workshop.

Participants of workshop on "Military Applications of Hand Held Spectrum Analyzer"

- **IETE Foundation Day** was celebrated on 5th Nov 2015 on the theme **"Role of IETE in Digital India"**. It also included a debate competition for the student officers on the topic "**With reference to recent initiatives of ushering in Digital India: Are we prepared for Digital Army".** Out of 10 student officers, **Capt Thejassmitha** of SODE-104 course won first prize and **Lt Lohitashava Pandey** of TES-24 course & **Lt Satendra Vashisth** of TES-24 course were declared as 1st & 2nd runner ups. All participants were felicitated with certificates and the winners were given cash prizes. The program was conducted by Lt Col Sai Shankar, Offg Hony Secy, of the Sub Centre. Dy Comdt, Offg Patron IETE Sub Centre, MCTE Mhow, also addressed the audience. The vote of thanks was given by Col A S Rathore, Vice Chairman, IETE Sub Centre, MCTE Mhow.

NOIDA

- A guest lecture on **Case Study of Project Management for System Integration Project of Government** by **Col (Retd) R K Shreevastava,** PMP, was held on 30th Aug 2015. The speaker introduced the topic and touched upon the essentials for project management. He advocated the need for the application of appropriate knowledge, skills, tools and techniques for having an impact on the success of the project. He also pointed out that most of the government projects are delayed or not completed, because of lack of good practices and knowledge of project management by the stakeholders involved. He further elaborated by presenting a case study on a Govt project. He hinted about the importance of timelines, agendas set and adequate authority that is constituted for the success effects. He also said that if one follows a professional approach then even foreign IT majors could start investing in Indian service projects.

- The **3rd Col I M Chhabra Endowment Lecture** was delivered by **Prof (Col) S L Kapoor** on "**Use of Solar Energy**" at AVI, Community Centre, Noida, on 15 Nov 2015. The Chief Guest on the occasion was **Lt Gen A K Agarwal, PVSM (Retd),** Past President IETE. The speaker presented in detail the global & national scenario of power generation based on fast depleting fossil fuels, the need and concept of solar energy, its generation, and various types of applications, advantages and limitation of solar energy system. Very lively and interesting discussions took place on costing of solar energy systems of various capacities, cost viability for storages of solar electricity in batteries and on the grid connectivity of the solar energy to cater for energy requirement during night/cloudy days. The lecture motivated many senior members to consider installing of solar powers at their houses.

3rd Col I M Chhabra Endowment Lecture in progress

PALAKKAD

- On 16th Oct 2015 the Centre organized a special meeting to felicitate the winners of NTPC & ISFNC-2015. The first and second cash awards for the contest were bagged by the two teams from ISF, Prime College. The third prize in ISFNC held at Coimbatore was bagged by students from

Vimal Jyothi Engineering College, Chemperi, Kannur. **Prof C Pradip**, Chairman presided over the function, while Sri P Babu, Hony Secy welcomed the audience. Mementos were presented to the students by the Chairman. **Sri C K Haridas**, Founder Chairman, Palakkad Centre and Senior member SA Ahammed Basheer felicitated the students and Ms Manju Suresh proposed vote of thanks.

Winners of NTPC & ISFNC-2015 at Palakkad

• The **IETE Foundation Day** was celebrated on 2nd Nov 2015 under the chairmanship of **Prof C Pradip**, who read out the message of President IETE during the event. The Chief Guest **Prof Dr Geetha K**, Principal NSS College of Engg and Vice Chairman, spoke about the need for digitalization of villages in India. **Prof Sujith S** delivered keynote address on the theme of the day "**Role of IETE in Digital India**". Shri C K Haridas, Founder Chairman of Palakkad Centre introduced the senior most members, **Dr V B Panciker** (F223531) and **Sqn Ldr S A Ahmed Basheer** (M 109130) to the audience. Both of them were felicitated with ponnada and a memento, who in turn shared their experiences with the audience. Prizes were given to three quiz winners too.

PATNA

The Centre celebrated **62nd IETE Foundation Day 2015** on 2nd Nov 2015. **Dr H S Singh**, Immdt Past Centre Chairman, delivered the keynote address on the theme **"Role of IETE in Digital India"**. Other distinguished guests & speakers on this occasion were: **Dr Arun Kumar**, Past Chairman, Dr Amitabh Kumar, Er Mukesh Muni Raj and Er Manoj Kumar. Dr Arun Kumar spoke on Make in India and Digital India programmes. Dr Amitabh Kumar touched upon the Govt policy regarding Digital India & its main features like vision area, approach & methodology and the management structure. Er Manoj Kumar

explained the background of IETE with its objectives and presented outlook plans for career orientation for the students.

PUNE

The IETE West-Zone Seminar held at JSPM's Institute of Technology, Wagholi, Pune, was on "**Wireless Sensors and Networks (ZS-WSN)**" inaugurated by **Smt Smriti Dagur**, President, IETE, during 1st-2st Aug 2015. She talked on the role of Wireless Sensors and Networks in today's world. The Guest of Honour **Shri R R Mali**, Dy DG of Meteorology (Surface Instruments), Pune, elaborated the role of Meteorological Department of Govt of India in weather forecasting and development of ingenuous equipment at the observatory. **Prof S K Khedkar**, Centre Chairman, outlined the various concepts of Sensors and Networks. Zonal Co-ordinator, (West Zone), **Dr J W Bakal**, explained the role of IETE in arranging various technical programmes throughout the country. The inaugural function was marked with the release of souvenir in the form of CD of lectures by resources persons, and presentation of mementoes. The technical sessions covered various aspects of Wireless Sensors and Networks. In the Technical Session-I the emphasis was on **WSN in Healthcare**, while 2nd Session catered to **WSN in Agriculture.** Also a meeting of West Zone Chairpersons was arranged in the presence of Smt Smriti Dagur & Prof J W Bakal to discuss various problems and the points raised by the participants. On 2nd Aug 2015, the 3rd Technical Session was held on **Biomedical Instrumentation Radiation,** while the 4th Session discussed, **Recent Trends in WSN**. The valedictory session concluded with **Shri Anand V Kulkarni**, Ex-CGM, BSNL, Maharashtra, distributing the certificates to participants. During the seminar **Dr T K Nagraj**, Principal, JSPM, Pune, and an active member of Pune Centre, was felicitated by the President IETE.

Release of a CD of Lectures during the seminar

RAJKOT

The Centre celebrated the **Foundation Day** on 1st Nov 2015 by arranging a technical paper presentation competition on "**Role of Technology in Digital India**". Fourteen teams from different universities / colleges participated. **Prof R D Raghani**, Principal, A V Parekh Technical Institute, Rajkot & Hony Treasurer IETE Rajkot Centre was invited as the Chief Guest. **Prof N B Kalani**, Dir, R K University & **Dr R Sridharan**, Dean Faculty of CS, Marwadi Education Foundation adjudged the competition. **Er C M Devani**, Centre Chairman, in his address informed the audience about the history of IETE Rajkot Centre and appreciated the student participation for the contest. Other speakers were: Shri Paresh Gosai IETE member & Prof R D Mehta, Hony Secretary of the Centre.

RANCHI

The Centre observed the **62nd Foundation Day** of IETE at Doranda College Auditorium. On this occasion **Shri R K Singh** (F125338) a senior member was felicitated. The Chief Guest for the occasion was **Dr V S Tiwary**, Principal, Doranda College, Ranchi University. The message of President IETE Smt Smriti Dagur was read out by Dr Anand Kr Thakur, Hony Secretary. The concept of **"Digital India and Skilled India"** was elaborated by Shri Ajay Kumar, Hony Treasurer. **Prof (Dr) Arun Kumar**, Ranchi University, delivered a talk of **"Role of IETE in the Digitalization of India."**

SIVAKASI

The **1st Techno Blaze**- a lecture cum group discussion was held with around 30 IETE Corporate members on '**Big Data Analytics'**, on 10th Aug 2015. The resource person was **Dr T Revathi**, Sr Prof & HoD, Info Tech, Mepco Schlenk Engineering College, Sivakasi. **Dr R Shantha Selva Kumari**, Immdt Past Chairperson, IETE Sivakasi Centre presided over the function. The speaker discussed the 'Vs' associated with Big Data namely volume, variety, velocity and veracity and enlightened them on the challenges associated with handling Big Data. She also mentioned the role of Pattern Recognition and Artificial Intelligence in Big Data Analytics, which is an emerging area of research. The **3rd Techno Blaze** lecture was held on 23rd Oct 2015 by **Prof (Dr) P Golda Jeyasheeli,** Dept of CSE, Mepco Schlenk Engg College, Sivakasi. She spoke on **'High Performance Computing'** and apprised the audience from history of evolution of processors to the current day multicore processors. She carefully differentiated between multicore and multiple processors scenario. Apart from hardware architecture, she also briefed on the software aspects about the efficient handling of multiple processors. The participants participated enthusiastically in group discussion.

Speaker involved in discussion with audience

TIRUPATI

The **62nd Foundation Day** of IETE was celebrated by the Centre in association with Dept of ECE, SVUCE, SV University, Tirupati, on the theme **'Role of IETE in Digital India'**. Senior IETE Fellows felicitated on the occasion were: **Sri P K Chaturvedi**, Sci / Engr (Retd) SDSC SHAR, Sriharikota (M024709), who also addressed the audience; **Dr Veluri Rama Rao**, CTO, SVBC Bhakti Channel, TTD, Tirupati, (F-125320); **Prof G Ramachandra Reddy**, Sr Prof, Dean- School of Elect Engg, VIT Univ, Vellore, (F098791) and **Prof D Narayana Rao**, Dir- Research, SRM Univ, Chennai & Co-Chair Publications, **(F-135193).** A keynote lecture **"Digital India: Impact of future Technologies"** was delivered by **Dr Pinnamaneni Bhanu Prasad,** Dir (R&D), Kelenn Technologies, France & India. The Chief Guest of the function was **Prof T K Chandrashekar**, Secretary, Science and Engineering Research Board, DST, New Delhi. Rector, SVU **Prof C K Jayasankar**, and Principal, SVUCE; **Prof P Mallikarjuna**, were the Guests of Honour in the function, and addressed on the Digital India program for innovation. The function was presided over by **Prof G Srinivasulu**, HoD, ECE, SVUCE. The lecture program was attended by scientists from NARL, BSNL, IT Sector, ExecCom and office bearers of IETE, and the faculty of SVUCE. Prof Varadarajan, T Rajendra Prasad, Prof Ch D V Subba Rao, Prof Anuradha and Prof T Ramasree, around 200 students of SVUCE ISF and research scholars actively participated in the event.

IETE Foundation Day at Centres

THIRUVANANTHAPURAM

The Foundation Day function held at Centre was inaugurated by **Shri C K Haridas,** former Zonal Coordinator (South). Shri R P Nair Immdt past Chairman delivered the welcome address. The presidential address was offered by **Shri Arumugaperumal,** Centre Chairman. A brochure on International Seminar on Robotics (IETE ICR-2016), was released during the function. The senior IETE members honoured during this occasion were: **Shri MD Bhaskar** (F005794), **Shri N Sasidharan** (F012514), **Shri JT George** (F003154), **Shri V M Karikath** (M038906), **Shri Mathai M P** (M129487) and **Shri U Balagopalan** (F122797). DipIETE (CS) student Ms Nayana G was also felicitated on the day due to her exemplary academic achievements. The other notables present were: Shri Arun, Asst Prof, Heera College of Engineering, Trivandrum; Dr K Gopakumar, HOD, ECE Dept TKM College of Engineering, Kollam and EC member, Dr KC Raveendranathan, Principal, LBS ITW and EC member and Shri JT George and Shri R Pradeep, Hony Treasurer. A technical lecture by **Shri N Vinayakumaran Nair**, Dy Comdt of Kerala Police (Cyber Cell) was arranged on **Cyber Crime.** He emphasized on the need of knowledge regarding the do's and don'ts in use of internet. He apprised the audience on laws & penalties related to cyber crimes prevailing in the country. The function was attended by ISF members & faculty members of engg colleges.

VADODARA

IETE Vadodara Centre is planning to start short term training workshops for the benefit and knowledge enhancement of engineering students and working professionals in and around Vadodara. The first training workshop in this series is planned on "**Java Programming**". Students interested to join such short courses may contact IETE Vadodara Centre at 0265-2422475/ 09428007646(Hony Secy) or e-mail the Centre at vadodara@iete.org or vadodara@indiatimes.com.

VIJAYAWADA

- The Centre in association with the ISF of Vasireddy Venkatadri Institute of Technology (VVIT), Guntur (AP), jointly organized a two-day seminar on "**Web Logic and Jobs**" on 14th –15th Sep 2015 with the resourse person **Shri M Ramu**, Tech Mahendra. **Dr G N Swamy**, Centre Chairman also the Chief Guest, delivered the key note address.

- On the second day the Centre also celebrated the **Engineers' Day** in association with the Dept of EIE of V R Siddhartha Engineering College, Kanuru, Vijayawada. On this occasion "**A Project Expo**" was conducted among the student members. Dr P Rajesh Kumar, Prof & HoD/ ECE, PVP Siddhartha Institute of Technology, adjudged the project expo.

ISF Activities

Even though we are taking 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 and we request them to continue to keep sending activity reports as ever.

- **ISF** at **Prof Ram Meghe Institute of Technology & Research (PRMITR), Badnera**, organized Campus Recruitment Training Programme in association with **FACE** Academy, Hyderabad from **Jun 22–Jul 03, 2015**; Guest Lecture on Challenges in IT Industry was conducted by Roshan Rathi, System Engineer, Amdocs, Pune on **Jun 30, 2015**; Expert lectures were conducted on "Preparation of Civil Services" by Shri Swapnil Wankhade, IRS, UPSC Rank 779 (2015) on **July 14, 2015**; Concept of Integrated Engineering for Product Development by Shrinivas Chamarthy on **Aug 11, 2015**; a motivational seminar on "Fly high reach the sky", a Self help leadership seminar by Dr Anuradha Tote on **Sep 10, 2015**; Expert lecture on "Product Design Compliance and Certification"

by Er N S Kale, Chief Principle Architect, Igate Global Solutions Pvt Ltd. Mumbai on **Sep 12, 2015**; Expert talk on "Higher Studies in Abroad and Student Incubator" by Shri Anup Rawka, Sr Consultant, J P Morgan, Columbia, USA on **Sep 21, 2015**. Elocution Competition on "Preventive Vigilance as a tool for Good Governance" in association with LIC of India, was held on **Oct 26, 2015**; Guest Lecture on opportunities in Core Industries by Shri Ashiish Nimbekar, Sr Design Manager, Whirlpool, USA on **Oct 27, 2015**.

- **ECE Association** at **ISF Kongu Engineering College, Perundurai**, **Erode**, conducted a workshop on Basics of C

language during **Jun 27-30, 2015** with participation of 40 students. It conducted an Office Bearer's interaction programme on **Jul 4, 2015** with II year students. On **Jul 8, 2015**, ISF in association with ECE conducted a training programme concerning Open House Exhibition with about 240 students. The new batch of ISF was inaugurated on **Jul 16, 2015** by Shri S Ramasamy, Chairman, IETE Chennai Centre. A workshop on Banner and poster designing was arranged during **Aug 10-12, 2015** with 40 students' participation. Yet another interaction programme was held on **Aug 14, 2015** on "Engineering and Entrepreneurship" graced by Shri Sundar Muruganandhan, Mg Dir, Versa Drives, Coimbatore. Other eminent persons present on the occasion were: Dr G Murugesan, HoD, Prof S Balamurugan, Dean, School of CCS, KEC. A guest lecture was organized on "Valzhave un Vasamaagum" on **Sep 9, 2015**, with a motive to inspire students on yoga. The function was presided by Dr G Murugesan,HOD of Dept of ECE. Prof S Indra, Yoga Master, Manavalakalai Mandram, Tirunelveli was the Chief Guest. Another guest lecture was organized on "Why Japanese Language" and "Advantages of learning Japanese Language in India" on **Sep 11, 2015.** The function was presided by Dr G Murugesan, HOD of Department of ECE. Mrs Uma Ramasubramanian, Japanese Trainer, ABK-AOTS DOSOKAI and Shri P Kumar, Diector, ABK-AOTS DOSOKAI were the Chief Guests. A workshop on the Freescale Semiconductor Car for the II and III year students by the final year students was held on **Sep 12, 2015**. The topics covered were introduction to embedded system with digital electronics, introduction to TFC board and Code Warrior with its peripherals and how to install it practically.

- **Dept of ECE** at **St Peter's College of Engineering and Technology, Avadi, Chennai**, celebrated the "Digital India" on **Jul 7, 2015**. Dr S Selvan, Principal, delivered the presidential address on the theme elaborating on Digital Infrastructure, Governance and Services on Demand and Digital Empowerment and its Challenges in Cyber Security. Dr R Rani Hema Malini, Prof/HoD, briefed about the advantages of Digital India scheme to get student scholarship, digital lock and the digital services in Health, Agriculture and Banking. Dr V Amudha, Prof, ECE briefed on IEEE and IETE member benefits and online resource utilizations. Oratorical completion was conducted to the IEEE and IETE student members.

- **Dept of ECE & TE, ISF** at **GSSS Institute of Engg and Technology for Women (GSSSIETW), Mysuru,** organized a one-day National Conference on "Electronics, Signals, Communication and Optimization (NCESCO -15)" in association with IETE Mysore Centre on **Jul 9, 2015**. Conference was inaugurated by eminent personalities from the industry and academia along with management committee members of GSSS(R). Dr M H Kori, Chairman, IETE TPPC, delivered the key note address on the evolution of Wireless Communications to 4G and beyond & IoT", Dr V A Sajeev Kumar, Sc F, DFRL, Mysuru, highlighted the significance of technology in the food packaging and research domains in DFRL. A technical talk on "Recent

trends on Communication Systems" was organized on **Aug 8, 2015**, under Dept Forum Association (AECES). The program was graced by the Shri Prasanna Kumar B G, Sr Technical Specialist, Alcatel- Lucent Technologies, the Chief Guest, Bengaluru; Shri Amarnath J, Sr Technical Lead, Nokia-Seimens Pvt. Ltd Bengaluru and Shri Nagaraj V, Principal Consultant, Oracle India Pvt. Ltd Bengaluru. Other technical talks were organized on **Aug 22, 2015**, under AECES with the expert speakers Sri M C Ganapathy and Sri Ramesh N Kumthekar, MD, Life Electronics, Bengaluru. On **Sep 12, 2015** a technical talk was organized on "FPGAs Architecture" by the resource person Shri Arun Alex E, Hardware Engineer, Dexcel Electronics Pvt Ltd, Bengaluru.

- The new batch in **ISF Nandha College of Technology, Erode & Association of CS&IT Engineers",** was inaugurated on **Jul 10, 2015** by Shri T Sathish Kumar, Consulting & Solutioning Lead, Hewlett Packard, Bangalore. On the same day an Industrial Seminar on "IT Trend − Business Centric View" was conducted with the keynote speaker Shri T Sathish Kumar. He explained about the industry needs and improvements of the student's level and interacted with them. Another Seminar on "Computer Graphics" was conducted on **Jul 24, 2015** by Shri S M Prabhu & Shri S Dheenathayalan, Faculty, Arena Multimedia-Erode, who briefed on the Computer Graphics, 2-D, 3-D Animation & Visual Effects. Dept of ECE**,** organized an Academic Seminar on "Signals and Systems" on **Aug 8, 2015** by Shri M Jothimani, AP/ECE, K S R College of Engineering, Thiruchengode. Dr S Nandagopal, Head of the Dept/ECE, Shri D Baskaran, AP/ECE, Shri S Parameswaran, AP/ECE and Shri P Vinothkumar, AP/ECE were also present on this occasion. A two-day workshop on "Mass Simulation Tool and Microprocessor and its Applications" was conducted on **Aug 10-11, 2015** by Shri R Vigneswaran, Tech Engr, VI Micro System, Chennai, as the Chief Guest. Another Seminar on "Career Development Programme" was organized on **Sep 7, 2015** by Shri S D Vijayakumar, AP/ECE, Erode Builder Educational Trust's Group of Institutions, Kangayam. It organized "Intra Department Meet" on **Sep 22, 2015.** In this function a total of 32 students presented their papers and more than 50 students participated in the event of Technical Quiz, Multimedia and Ad-Zap. Dr S Nandagopal, HoD/ECE, announced the winners for all categories.

- The new session at **ISF** of **Dept of ECE of Christian College of Engg and Tech (CCET), Oddanchatram, Dindigul, TN,** was inaugurated by Dr D Selvathi, Chairperson, IETE Sivakasi Centre, Mepco Schlenk Engineering College, on **July 29, 2015**. As an additional activity on this occasion, a guest lecture on "Deep Learning Techniques in Neural Networks" was organized. The lecture ended with a discussion and vote of thanks by Mr Tharcis, ISF Coordinator, CCET followed by the National Anthem.

- **ISF** at **Sri Ramakrishna Institute of Technology, Coimbatore,** organized a guest lecture on **"**Awareness on Industrial Expectations" on **Aug 6, 2015** by Shri K Moorthi, Product Manager Enthu Technology Solutions India (P) Ltd, Coimbatore for III yr

students. The others seated at the dais were: Dr R Jayapal, Dean/ Research; Dr R M S Parvathy, HoD/ECE and Dr P Ventrivelan ISF Coordinator/SRIT. A mini project was also organized on **Sep 15, 2015** as a part of "Engineers Day" celebrations for all circuit branch students and then evaluated by Dr R Joseph Xavier, Principal; Dr R Jayapa, Dean/Research; Dr R M S Parvathy, HoD/ ECE; Dr C Ganesh, HoD/EEE; Dr G Ravikumar, HoD/IT; Dr A N Jayanthi, AP and Dr P Vetrivelan, ISF Coordinator/SRIT.

- IETE Office bearers of IETE Vadodara Centre were invited to participate in an event "Award Ceremony Function" organized at **ISF** of **Parul University** on **Aug 07, 2015** for felicitating educationist for their excellence engineering education. Shri Naresh Kumar Garg, Chairman, IETE Vadodara Centre was invited as the Chief Guest, who in his address emphasized on the importance of the teachers and their roles in shaping young minds and thus giving unparalleled contributions in nation building. Prof Ruchi Shrivastav, Principal PIET (DS), Campus Director, Ms Parul Patel Trustee and other faculties were also present.

- The **Dept of ECE** at **ISF PET Engineering College, Vallioor (TN)**, conducted a workshop on- Hands on Approach to Proficient Document Writing using Latex during **Aug 7-8 2015** with 62 participants to exchange ideas about preparing manuscript for conferences, journals and PhD Thesis. Certificates and saplings were distributed. The Chief Guest Shri D Kesava Raja, AP/ CSE, Dr Sivanthi Aditanar College of Engineering, Tiruchendur, inaugurated the workshop. Dr N Mohamed Sheriff, Principal, PET Engg College and Shri K Madhan Kumar, Prof/ECE were also present.

- **ISF** at **K S R College of Tech, Namakkal Dist (TN)**, organized a guest lecture by Shri Moorthi, Project Mngr, Enthu Technology Solutions, Coimbatore, on project based learning using MATLAB on **Aug 8, 2015**. He presented the procedure to use MATLAB software for project based learning; its application & advantages to find the frequency, to produce sounds and its implementation in the image processing and also created awareness among the students about the job opportunities for the MATLAB programmer.

- **ISF** at **Dept of ECE** of **Prasad V Potluri Siddhartha Institute of Technology(PVPSIT), Vijayawada,** conducted a series of events which included: on **Aug 12, 2015**- a seminar on Personality Development for II, III B. Tech ECE students by Prof K V Subba Raju, SRKR Engineering College, Bhimavaram; **Sep 08, 2015**-Skill Development Programme for II BTech ECE students in association with Efftronics Systems Pvt Ltd. Vijayawada and a Paper Presentation contest for III B Tech ECE students on eve of Engineers' Day; **Sep 15, 2015-** a guest lecture on "Placement Opportunities" for III B Tech ECE students by Mr Mayank, University Relations, Executive, Crenes Software. On the eve of Dr APJ Abdul Kalam's birthday, ISF conducted a visit to the old age homes and donated groceries and fruits on **Oct 15, 2015.**

- The **ISF** at **Dept of ECE of St Joseph's Institute of Technology OMR, Chennai,** organized a workshop on "GPS Technologies" on Aug 13, 2015 under the guidance of Dr B Babu Manoharan, MD; Mrs B Jessie Priya, Dir; Shri B Shashi Sekar, CEO; and Dr

P Ravichandran, Principal, St Joseph's Institute of Tech, OMR, Chennai. Dr Swarna Ravindra Babu, spoke on the evolution of GPS and its influence in various countries; various coding schemes for modulation & demodulation and the different errors associated with it. The GPS design using MATLAB was demonstrated to the members. More than 115 IETE student members from ECE Dept attended the lecture.

- **ISF** at **Vels University, Chennai**, held a seminar on "Underwater Robotics" on **Aug 14, 2015** in the presence of Dr G A Ramadoss, Sc "G" in National Institute of Ocean Technology, the Chief Guest. The other speakers in the seminar were: Ms G R Jothilaksmi IETE Co-ordinator Assoc Prof/ECE; Dr V Rajenderan, HOD/ECE and Dr Sivasubramanium, R&D Adviser.

- A lecture on "Antennas for Commercial Applications" was delivered by Shri R Baskar, Senior Divisional Engineer, Regional Telecom Training Center, Chennai for III and IV year students of ECE on **Aug 14, 2015** at **ISF of Valliammai Engineering College, Chennai.**

- A workshop on Electronics was conducted as an industry-institute interaction programme on **Aug 18, 2015** at **ISF** of **Shaheed Udham Singh College of Engineering and Technology (SUSCET), Tangori ,Mohali (Punjab)** for the Engg students of the college. Dr R S Khandpur, former DG, Pushpa Gujral Science City, Kapurthala; Col Harmeet Singh Dhot(Retd), EON Infotech Ltd, Mohali; Shri Kapil Jindal; Shri Ankit Mohan & Shri Gurdas, Advance Technologies, Chandigarh, were invited as the industry experts. Dir- Dr M S Grewal, Dean Academics; Dr Geetika Thappar, Dean Student's welfare; Dr Sukhjeet Kaur, HOD ECE; Lt Col A S Bajwa (Retd.), HOD IT; Er Arpana Prasad, SUSCET, Principal Shaheed Udham Singh Polytechnic College (SUSPC); Er Shushil Kamboj , faculty members and students of ECE and IT dept of SUSCET & faculty members, students were present on the occasion. Lt Col A S Bajwa (Retd.) gave an overview of the workshop. Dr R S Khandpur spoke about the current status of Electronics industry, its future prospects in India and the world and employment opportunities for the Electronic engineers. He also presented four books authored by him to the College. Col Harmeet Singh Dhot (Retd) spoke about the R&D work in the field of Unmanned Aerial Vehicle (UAV) and applications of embedded system. He also emphasized the importance of entrepreneurship for setting up micro/small–scale electronics industry. Shri Kapil Jindal and his team of Advance Technology demonstrated the design of intelligent robot based on ARM microprocessor and AVR microcontroller which control four-wheel drive robot. Shri Kapil Jindal also gave an insight into the expectation of industry from an electronics engineer. The students actively participated in the question answer session and were motivated to perform well in their practical works.

- **Dept of ECE** at **ISF Saveetha Engineering College, Thandalam, Chennai,** conducted Dr A P J Abdul Kalam Memorial free workshop on "Embedded Systems" on **Aug 20, 2015,** wherein Ms Srigitha S Nath, HoD/ECE encouraged the students to utilize the opportunities offered for doing their projects and academic

ISFs Activities

activities. Mrs R Gayathri, Hony Secy, IETE Chennai Centre explained the importance and benefits of IETE membership and introduced the workshop. Shri K P Harsha Prasanna & Shri T N Raj Vignesh, Founders and Shri Manivannan, GM, Salieabs Electronics Engineers LLP, Bangalore, handled the session on Embedded Systems. Shri S Sivakannan, ISF coordinator & AP/ECE delivered the vote of thanks.

- **ISF** at **Sandip Institute of Technology & Research Centre (SITRC), Nashik**, conducted a three day workshop on "Electronic Component Testing" during **Aug 20-22 2015,** with the resource persons Prof O S Vaidya, Prof S Y Kanawade, Prof Y M Gaikwad and Prof M V Nikumbh. Prof S P Gande, Principal, SITRC was the Chief Guest. Prof R G Paped, Principal, SIEM, was also present. The objective was to make students skillful in practical, projects and for industrial jobs by improving their knowledge on related components. Another workshop on "LabVIEW: Graphical System Design in Engineering Applications" for the final year students was arranged on **Aug 21-22, 2015.** The resource persons for this workshop were: Dr Charles S, Senior Application Engineer – Embedded System Solutions Pvt Ltd, Bangalore, Shri Arabrata Naik, Embedded System Solutions Pvt Ltd, Bangalore and Prof P S Aswale, Asst Prof/E & TC, SITRC, Nashik. The objective was to explore the LabVIEW environment, dataflow programming, and common LabVIEW development techniques in a hands-on format.; Learn to develop data acquisition, instrument control, data-logging, and measurement analysis applications and to be able to create applications acquire, process, display, and store real-world data.

- **Dept of ECE** of **ISF** at **Muthayammal Engineering College (MEC), Namakkal, TN,** organized an interaction programme "I can be a Scientist" on **Aug 22, 2015** with the Chief Guest Shri G S Ayyappan, Scientist and AP, Academy of Scientific and Innovative Research, CSIR, Chennai. Dr G Selvakumar, Dean/ Electrical Sciences; Dr S Nirmala, Principal; Prof T R Suresh Kumar, ASP/ECE were other key persons present on the occasion. A one-day programme was also organized, sponsored by IETE and IEEE, "Intra Departmental Mini Project Contest" on **Sep 4, 2015**. About 71 students were participated in the contest and exhibited their project in the field of ECE.Intra Departmental Paper Presentation Contest, titled, "Paper Contest '15' was inaugurated by the Chief Guest Dr S Nirmala, Principal on **Sept 12, 2015**. The contest was for the benefit of students to develop their innovative ideas and practical implementation of recent technologies. 57 students were participated and presented their paper in the field of ECE. The best three papers were on: Robots to Clean Oil Spills; BIONICS; Sky Mobile; The 7th Sense using Brain Gate System and Wireless Network. The best three were given cash prizes of Rs.1000, Rs.750, Rs.500 respectively.

- **ISF** of **SKN Singhad College of Engineering, Korti, Pandharpur**, **Solapur**, organized number of seminars namely Personality Development on **Aug 24, 2015**; Recent Trends in Aircraft on **Sept 23, 2015** and a guest lecture & workshop on "Arduino Programming" on **Oct 02, 2015**. Prof Jagdalehas; Shri Mahesh Patil, Dr K J Karande, Principal, SKNSCOE, Prof Pise

were some of the eminent persons present in the occasion. The Chief Guests in all the three occasions encouraged the students for broader vision in acquiring the technical knowledge.

- ECE Association at **ISF M P Nachimuthu M Jaganathan Engg College, Erode**, arranged a guest lecture by Prof J Gnanambigai, Assoc Prof/ECE, K S R College of Engg, Tiruchengode on "RF and Microwave Engineering" on **Aug 29, 2015**.

- **ISF** at **Kings Engineering College, Pudukkottai Dist, Chennai**, organized a lecture on "Embedded and Real time Systems" of Shri N Raju, Asstt Prof in ECE Dept from SASTRA University on **Aug 29, 2015**. The function was chaired Prof (Mrs) T Shanthi, HoD, ECE Dept. A new session at this ISF was inaugurated on **Sep 9, 2015** by Shri S Ramaswamy, Chairman of IETE Chennai Centre, the Chief Guest. Dr A V Mayakannan, Principal and Prof S Rajkumar HoD/ECE of the College, Shri Joyson, GM, Rajam Group of Companies were also present. Others included Mrs A R Venmathi, Assoc Prof/ECE; Shri Arul Kumar, Admin Officer and faculty coordinator Mrs A Aruna. It also organized a two-day Project Exhibition & Short Film competition for engineering & polytechnic students on **Oct 30-31, 2015**. The winners for project competition were: 1st – R Prithiviraj; M.John Finney, M.Hariharan And P R Sriram from Kings College of Engineering, Punalkulam; 2nd – Roohul Amir Khan, Mani Shankar Dixit, Gautham Kumar & Vivek Srivastava from Ajay Binay Institute of Technology, Banur and 3rd – R Reshma, V Monisha & I Vishali from Sreenidhi Institute of Science & Tech, Hyderabad. The winners for the short film event were : 1st - S Sudha from Grg Polytechnic College and for Project Expo–Polytechnic–the winner was Modi Ashish from Polytechnic, M S Univ, Baroda. A "Puzzle Game" was arranged on **Nov 07, 2015** evaluated by Mrs G Ramya Arockiamary, Assit Prof, Maths Dept, Kings College of Engineering. The first three winners in sequence were: RVikas Krishnan-Kamaraj College Of Engineering &Technology in 1st position with Rs 1000; R.Morshkamaraj College of Engineering &Technologyin 2nd position with Rs 750 and D Keerthiga- Bharath College of Science & Mgmt in the 3rd position with prize money of Rs 500.

- **Dept of ECE** of **ISF** at **Nandha Engineering College (NEC), Erode**, organized an industrial seminar for I year ECE students on **Sep 02, 2015**. Shri S Sundaramoorthy, MD, Sunshiv Electronics, the chief guest focused his talk on "Electronics in Engineering Perspective". Another seminar was delivered on **Sep 23, 2015** by Shri R Veeramani, Asst Prof/KSR College of Engg, Thiruchengodu, on "Applications of RF and Microwave Engineering and Antenna design using ANsoft HFSS software" for final year students.

- A new batch of **ISF** at **ECE Dept** of **Tagore Engineering College, Chennai,** was inaugurated on **Sep 03, 2015** by Shri S Ramaswamy, Chennai Centre Chairman. The speakers in the event include: Dr S Lakshmi, HoD/ECE; Dr P Kasinathapandian, Principal of TEC, the keynote addressee.

- **ISF** at **Malla Reddy Institute of Technology and Science (MRITS), Dhulapally, Secunderabad**, conducted its annual day celebrations on **Sep 05, 2015**. The Chief Guest Shri Kannan

Rajagopalan garu, (GM (Retd), BHEL R&D Div) and other dignitaries present were Prof R Madan Mohan garu, Dir of Academics, MRGI, Dr K Ravindra garu , Principal and IETE Faculty advisor Shri S Venu Prasad. Approximately 150 students and about 25 faculty members, HODs of various departments, staff members participated.

- **ISF** at **Dept of ECE of BVRIT Hyderabad College of Engineering for Women, Bachupally, Hyderabad**, celebrated Engineers Day on **Sep 15, 2015**, wherein a quiz competition Prashnothari–III was organized with a total of 23 teams. Only 5 teams were selected for the final screening test and the quiz was conducted on aptitude, logical, reasoning, basics of computers and technical subjects.

- **ISF at Dept of ECE, Anil Neerukonda Institute of Technology & Science (ANITS), Visakhapatnam,** organized an essay competition for BE students on the occasion of "Engineers' Day" on **Sep 15, 2015**. The topics chosen were: "Engineering Challenges for knowledge Era"; "Being an Engineer – Your Contribution for the Society". Around 128 students registered for this event and 5 best essays were selected by the judges. Dr K Murali Krishna, Prof & HoD/ECE, who also distributed the certificates.

- **Dept of ETE** at **ISF Karpagam College of Engg, Coimbatore**, organized a one day national level workshop on "Signal Processing Applications using MATLAB" on **Sep 16, 2015** with the resource persons- Shri S Satheeshkumaran and Shri S Manikandan. About 52 students from various colleges attended this workshop, which was meant to provide knowledge in various DSP techniques and to provide hands on experience on TMS processor kits. Other two guest lectures held were on "Light Weighted Cryptographic Algorithm for IoT" on **Sep 18, 2015** by Shri N Bharathi Raja, Senior Hardware Engineer, Cognizant Technologies System, Coimbatore and on "Challenges in Antenna Design and Measurements" on **Sep 23, 2015** by Shri G Arunfrancis, KCE, Coimbatore. A one-day national level workshop on "Embedded System for IoT Applications" was organized on **Oct 08, 2015** by Shri N Parthiban, Sr Software Engr (Embedded Systems) from Robert Bosch, Coimbatore, with an objective to visualize and experiment Contiki – Real Time Operating System (RTOS) for Internet of Things (IoT) using MSP430 Launch pad kit – The Ultra Low power controller infrastructure. This workshop also narrowed the barrier between industrial needs and academics in cutting edge and trending technology IoT. This workshop enlightened the participants about the importance of Internet of Things for various applications in the field of Embedded Systems.

- The **Dept of ECE** at **ISF Maharishi Markandeshwar University, Sadopur**, in association with IETE Chandigarh Centre organized a one-day hands-on technical workshop on Proteus Software for Electronics Simulation on **Sep 17, 2015**. The key persons present on the occasion were: Shri S K Angra, Chairman, Chandigarh Centre as Chief Guest; Dr Neelesh Kumar, Dr P K Awasthi, Office Bearers of the Centre; Dr Manpreet Singh, Principal, M M University; Prof Parveen Bajaj, ISF Coordinator & HoD and Prof (Dr) Ravinder Khanna, Dept of ECE. The technical experts presented their detailed presentations and it was affirmed that concatenation of Proteus Software would be a powerful tool for simulation that would promote research at the University.

- The **Dept of ECE** at **Ahalia School of Engineering & Technology, Walayar, Palakkad**, inaugurated its **ISF** by the hands of Shri C K Haridas, Former Chairman IETE Palakkad Centre. In his presidential address Dr P Sankarankutty, Dir, ASET, emphasized on the importance of such professional forum, while Shri C K Haridas insisted the students to get involved in various professional activities for getting exposure and to improve their talents. Dr V Balamurugan, HOD/ECE proposed the vote of thanks.

- Inter College ISF students Quiz competition was conducted at **ISF of Sagar Institute of Research and Technology and Science (SIRTS), Bhopal**, in association with IETE Bhopal Centre on **Sep 19, 2015**. Over 300 students from 10 engineering colleges participated. Team from Sagar Institute of Research and Technology (SIRT) stood in first position. The second position went to Sagar Institute of Research, Technology and Science (SIRTS) and third position was secured by Laxmi Narain College of Technology (LNCT). The teams were given cash prizes, certificates and a memento each.The ISF also conducted a technical quiz competition "Quizoholic-2k15" on **Sep 19, 2015** with 350 students from different colleges like Radharaman Group of Institution, LNCT group of Institutions, Oriental etc. Prof Virendra Singh Chudhary Principal RIRT, Bhopal and Secretary IETE Bhopal Centre, graced the event as Chief Guest. The Exec Dir, Dr Prashant Jain congratulated the students for successful conduct of the event. Winners were awarded prizes while other participants were given certificates. Vote of thanks was proposed by Prof Fatima Assoc Prof, EC Dept.

- "GENESIS '15- an inter-polytechnic mega event was organized at **ISF Govt Polytechnic, Nagpur,** on **Sept 21-22**, **2015** in the premises. It was attended by around 600 students from 15 polytechnics from Vidarbha region. Shri Jayant Paranjape, MD, Rutam Technocrafts, Nagpur, in his keynote address emphasized on learning to differentiate between 'Information' and 'Knowledge'. The papers on current breakthroughs in Electronics, a couple of non-technical events like "Campus Experia" and "LAN Gaming" were added attraction of the event. Ms Shruti Dhabale, HR Manager Tirpude College of Management, presented a talk on Interview techniques. Various technical events were organized in these two days. The winners of the events were rewarded with certificates of excellences and memento and certificate of participation to all participants. In the valedictory function-Dr CG Dethe, Dir HRDC RTM, Nagpur Univ and Hony Secy IETE Nagpur Centre was the chief guest.

- The **Dept of ECE** at **ISF Shri Vishnu Engineering College for Women (SVECW), Bhimavaram (AP)**, organized a Hobby Project Expo on **Sep 24, 2015**. Around 48 hobby projects were exhibited by III year BTech/ECE students. The prominent persons present on the occasion were: Prinicipal Dr G Srinivasa Rao; Vice-Principal Dr P Srinivasa Raju; HOD/ECE, Dr G R L V N

Srinivasa Raju and others. Dr T Sudir Kumar, Assoc Pof/ECE adjudged the projects.

- **ISF** at **Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad,** conducted a two-day workshop on **"**Mobile Applications Development**"** on **Sep 28-29, 2015**, with Prof A Radhanand and Prof K Naga Balaji Kumar conducting the sessions. First day students were exposed to simple mobile apps using sensors available in android phone and on the second day students were asked to write apps to control external hardware devices like coffee machine and switch the bulb on-off using bluetooth. Prof T C Sharma, HOD and Pratyusha Chowdari, coordinator of the workshop spoke during the concluding session. On **Oct 12-13, 2015**, the ISF conducted another two-day workshop on "Microcontrollers using Arduino". Prof A Radhanand and Asst Prof N Ome demonstrated Arduino functionalities with the help of UNO board to provide hands-on experience to the students.

- **ISF** of **Mepco Schlenk Engineering College, Sivakasi** organized a guest lecture on "Space Communication" with the celebration of International Space Week-2015 on **Oct 6, 2015** for the III year ECE & ME (Communication Systems)students. The lecture was delivered by Er R Manickavel, Sci–D & Er M Ramanadhan, Sci-C, ISRO, Mahendragiri. The function was inaugurated by Dr R Shantha Selva Kumari, HoD, ECE of the College. Others present were: Shri A Kamaraj, AP, ECE & Mrs R MiniPriya, AP, ECE, the faculty advisors and Ms V Vicithra. Around 250 students got benefited by this event and they found it to be extremely beneficial.

- **ISF** at **Pankaj Laddhad Institute of Technology & Management Studies (PLITMS), Buldana (MS)**, organised a two-day workshop on "A practical aspect of basic electronics" during **Oct 7-8, 2015** by Vijay Bhattad, MD, Advanced Microtech, Buldana.

- On **Oct 10, 2015, ISF** at **Narula Institute of Technology, Dept of ECE, Kolkata,** organized paper, poster, model contest with the support of HODs of different depts, namely-Dr Saradindu Panda, Prof Sumit Nandi, Prof Amlan Chakraborty, Prof Jayanta Pal and Prof Bidyut Middya as the main speakers. The inaugural speech of Dr Saradindu Panda inspired the students. The winners were awarded on the basis of marks given by judges. The Poster Contest held on the topics was highly relevant from the societal point of view. In the model contest a walking robot was developed by the students. The program ended with a vote of thanks by Prof Sangita Roy.

- The Dept of ECE at **ISF Chandigarh Engg College, Mohali, Punjab**, in association with IETE, Chandigarh Centre organized a "One-day Hands-On technical workshop on ORCAD Software" on **Oct 10, 2015**. Prof Parminder Kaur, Assoc Prof/EC and ISF Co-ordinator and the technical experts Ms Preeti and Ms Cheena Rohilla demonstrated the different application of the

ORCAD software for circuit designing and PCB designing. Open discussion forum was encouraged following each lecture.

- **ISF** at **Indo Swiss Training Centre (ISTC), CSIR-CSIO, Chandigarh**, was inaugurated by Prof (Dr) R K Sinha, Dir, CSIR-CSIO, Chandigarh on **Oct 13, 2015** in the presence of Shri S K Angra, Chairman IETE Chandigarh Centre and Prof R C Agnihotri, Principal ISTC, CSIR-CSIO also the ISF Coordinator and Dr Neelesh Kumar, Hony Secretary, IETE Chandigarh Centre. About 100 students, staff members of ISTC and EC members IETE Chandigarh Centre were present on the occasion.

- The **Dept of ECE** at **ISF Sri Krishna Institute of Technology (SKIT) Bangalore**, organized a technical talk by Prof Murali on IOT (Internet of things), in association with IETE Bangalore Centre on **Oct 16, 2015**.

- **ISF at Dept of EC** of **Laxmi Institute of Technology (LIT), Sarigam**, **Gujarat,** was inaugurated on **Oct 17, 2015** by Prof Shilpi Gupta, Hony Secretary, IETE Surat Sub-Centre, under the guidance of Hon'ble Dir, Dr (Brig) VD Abraham (Retd). It has been set up with 53 student members from ECE and Electrical Dept. On this occasion Prof Sita Singh, LIT, threw light on IETE and Student Forum activities.

- **ISF Velalar College of Engineering and Technology, Erode**, organized a one-day workshop on "Spectrum Analyzers and Digital Storage Oscilloscopes**"** for the benefit of faculty members at its ECE Dept. Prof Dr K R Valluvan explained the features of Digital Storage Oscilloscopes and demonstrated how a Digital Storage Oscilloscope can be used for simple to complex measurements in electronics and electrical circuits. Faculties were given hands on training on these equipments. Dr M Jayaraman, Principal, inaugurated the workshop and after the completion, distributed the certificates to the participants. The workshop was coordinated by Prof P Senthil Kumar, Dept of ECE.

- The **ISF** at **MVSR Engineering College, Hyderabad,** celebrated IETE 62nd Foundation Day on the theme, "Role of IETE in Digital India" on **Nov 02, 2015** with the patron of MVSR ISF -Dr V Chandra Sekhar; Princiapal- Prof KSR Murthy and the Faculty Adivsor- Er Nuli Namassivaya. On this occasion a technical extempore contest and a technical quiz was organized for the students.

- **ISF** at **Dept of ECE** of **K L University** organized a project exhibition competition on **Nov 06, 2015** with the faculties- Dr K S N Murthy Coordinator, ISF and Dr M Siva Ganga Prasad. Several teams participated and exhibited their projects. The first three teams secured cash prizes worth Rs. 1500, Rs. 1000 and Rs. 500 respectively. The technical Quiz Competition was held on **Oct 07, 2015** with the same faculties and the first three winners were given the cash prizes of Rs 2500, Rs 200 and Rs 1500 respectively.

| **Obituary** | IETE regrets the sudden and untimely demise of Wg Cdr (Dr) M L Bala (Retd) (F-047822), past Governing Council Member on 23rd Nov 2015 at Delhi. |

PAC Activities

- A new Professional Activity Centre **(PAC)** was inaugurated on **Sep 19, 2015** at **Laxmi Institute of Technology, Sarigam, Valsad Dist, Gujarat. Shri Seju P Kuruvilla**, IPS, Director (Education) and SP Police HQ Silvassa was the Chief Guest on the occasion. The other eminent persons present were: **Shri Naresh Kumar Garg**, Chairman, IETE Vadodara Centre with founder Chairman of IETE Vadodara Centre **Dr R C Desai**, **Shri Thushar B Kher**, Hony Secretary of the Centre. **Prof (Dr) V D Abraham**; **Prof Sanjeet Kumar Shriwastava**, **Prof Nandlal Dhandhukia** & **Prof Sita Singh** were the speakers of the event**.**

- This Professional Activity Centre **(PAC)** celebrated **62nd IETE Foundation Day** on 02 Nov 2015 with the Chief Guest **Brig (Dr) V D Abraham,** Dir, Laxmi Institute of Technology & Founder

member of IETE PAC Sarigam. Giving the background of IETE, Dr Abraham highlighted the importance of digitalization of education & encouraged the efficacy of LIT faculty, who could make it possible. He also outlined the latest initiatives by government, defence forces and role of IETE in Digital India and the different types of skill development initiatives taken by IETE HQ with TSSC, NSDC, PMKVY, DeitY. It was attended by all IETE corporate Members, and faculty Members of LIT Sarigam. Members of ISTE, IEI & CSI were also present in the celebration. **Prof Sanjeet Kumar Shriwastava**, Chairman IETE PAC Sarigam, read out the message from President IETE, issued for the occasion. **Brig (Dr) V D Abraham** was felicitated on the occasion. The concluding remarks were proposed by Prof Ravi Krishna Pandey, Executive committee Member of IETE PAC Sarigam.

Celebrating IETE Achievers

Prof Sneh Anand (F040028L) graduated in Electrical Engineering from Punjabi University, Patiala in 1970 and did her Masters (Control & Instrumentation) and Doctoral Research (Biomedical Engineering) at the Indian Institute of Technology, New Delhi, in 1972 and 1976 respectively. She has contributed 43 years of her life to Indian Institute of Delhi. She optimally combines her Engineering training with biomedicine to bring in innovative concepts and give them a practical shape as products which benefit many people in need. Dr. Anand's systematic holistic approach that is well directed towards manpower training, innovative research and technology development.

Her principal achievements are in the areas of transducers and biosensors, reproductive bioengineering and rehabilitation Engineering. Addressing the problem of population control she demonstrated how Electrical Engineering principles could be applied to understand the physiology of reproduction and provide an electronic reversible fertility control device. Her multiple areas of research includes General Surgery, Neurology, Anesthesiology, Cancer, Health IT,

Message

Believing in your passion is the key to success. It doesn't matter that you are a man or woman. Always motivate yourself and keep on moving as fast as you can. Accept all the changes and inspire others too.

- Prof Sneh Anand

Orthopedic, Patient Monitoring, Ophthalmology, Cardiology, Home care, Dermatology, Pediatrics, Imaging, Rehabilitation and Brain computer Interface.

With her dedicated biomedical R&D efforts she has published more than 130 papers in reputed biomedical journals. She has eight inventions and four patents to her credit and has transferred eight know-hows to Indian Industries. Her pioneering contributions rehabilitation engineering that helped the blind to find Industrial placements; a universal graphic system which enabled blind to read text and diagrams via computer monitor and a very special computer based communication system for spastics are noteworthy. For these scientific endeavors National Research and Development Corporation awarded topmost invention awards for the years 1989, Ministry of welfare presented Technology Invention awards for the years 1988, 1989, 1992 and 1993 in rehabilitation engineering and the Indian Council of Medical Research conferred Kshanika oration and Citation award for the year 1993 in Healthcare technology on her. With this and others Prof. Anand stands unique in the country as an engineer who has gone beyond academics and practically helped people through biomedical technology.

61st (2014-15) Annual General Meeting and 1st (2014-15) Special General Meeting of IETE was held on 25th Sept 2015 at Hotel Pride, Kolkata. To view the details, you are requested to visit IETE Website : www.iete.org

Honours and Achievements

The Royal Aeronautical Society (RAeS), London, conferred **Dr G Satheesh Reddy (F225072L)**, Scientific Adviser to Raksha Mantri and an eminent Missile Scientist of DRDO with the a **Silver Medal** in recognition of his contributions as one of the leading navigation and avionics experts, under whose leadership India has developed state-of-the-art avionics sensors and systems for key national strategic programmes and other defence applications. His pioneering contributions in promoting Aerospace and Aeronautics in India were also acknowledged. The Royal Aeronautical Society, established in 1866, has been honouring outstanding achievers in the global aerospace industry since 1909, when Wilbur and Orville Wright came to London to receive the Society's first Gold Medal. Honouring world aerospace achievers has become a permanent tradition of the Society. Congratulations to Dr G Satheesh Reddy for this achievement.

B B Lal (F-102844), Former Chairman of IETE Lucknow Centre, has authored a book along with his son on **"Breaking Barriers-The Power of Gestures"** published by Zorba Publishers, Gurgaon. The book gives a glimpse of the immense cultural and linguistic diversity of the world by compiling together the greeting gestures and salutations from around the world in 40 languages, 24 from India and 16 from abroad, including all the six major languages in which the United Nations conducts its business. The book also covers 19 non-verbal gestures, with vivid illustrations, describing how people meet and greet each other in different parts of the world. The related details could be found out on www.powerofgestures.wordpress.com.

Shri P Suresh (AM169306) and **Ms Manju Suresh (AM168770)** both faculty members of IETE Palakkad Centre have successfully completed **MTech** from Karnataka State Open University (KSOU).

Extracts from the speech delivered by Col K S Chakravarthi (Retd) (F052203)

Immdt Past Chairman, IETE Chennai Centre, on 02 Nov 2015 on the occasion of IETE Foundation Day 2015, held at Alumni Centre auditorium, Anna University, Chennai on the theme

"Role of IETE In Digital India"

…………… The role of IETE could be very vast and immeasurable; I would like to share my thoughts briefly with you on the perceived role of IETE in Digital India. I feel a more plausible analysis on Skill levels should be done on the grounds of what is required to make it (ambitious programmes like "Swach Bharat", "Make in India" and " Digital India") work and why we need it to work. What we require is Quality first in everything. Unless we focus on that, all these programmes will remain mere slogans in paper. We need to implement new training progamme and provide policy incentives to employers, workers to encourage deskilling for high demand job categories. The Educational system requires a overhauling. Universities and Institutions should have freedom to design their syllabus, structure and training, matching with and meeting the demand of the industries and the people of the Nation. It will be a continuous process since the demand and expectations of people keep changing with the rapid advancement and changes in technology. In this context even IETE can revisit its roles and responsibilities. It probably will have to shift its focus from being a mere "distant engineering education provider" and "event manager of seminars and workshops". With a vast strength of intellectuals, scientists, researchers, engineers academia and industrialist as Corporate Members and Institutional Members, IETE can play a crucial role in realizing the vision of "Quality", "Make in India" and "Digital India". Every major Centre of IETE should be converted into an Incubation centre for R&D. Members of IETE, should associate themselves in activities like research, innovation and training in situ and at village level governance, school education, Industries and Infrastructure development projects etc and be part of it . It will be a good idea if some of the veteran IETEians visit the nearest rural town or village and educate them about e-governance and digital India. They can play the role of advisors and guide the local Panchayats, NGOs and Self Help Groups in digitizing their operations and processes. They can take up teaching in Schools and colleges, voluntarily, may be monthly or weekly as mutually convenient to the school and IETE Veteran. This will be possible, only when every IETEan takes pride in rendering social service , call it CSR or whatever, and service to the Nation selflessly and give back to the society in gratitude what he or she gained in their life due to the blessing of the society. IETE should go out voluntarily to village level governing body, rural schools, health centres and cottage industries and create awareness among them about "Digital India" Programme. People should know as to what digital India is, what are the advantages in that and how it differs from the existing system. If each centre/Corporate Member can conduct even one programme per week per village or towns in their jurisdiction it will make a big difference in "Digital India Campaign". It takes a highly concentrated effort to do this and there should be multiple initiatives as such to identify the areas, people, train them, and track their progress in order to convert it into a mass movement like "Swachch Bharat", though it has some isolated pockets with hiccups. Every district in each state should have a Village development centre to implement the training. If needed the Government should involve NGO's who are willing to take this up to conduct. As I said it is easy for IETE to play a major role with the potential of unprecedented Human resources as Members and Institutional Student Members The commitment has to come from the Top leaders. – Jai Hind!

IETE in the Press . . .

1st MSME / Private SSI Laboratory in Environmental Testing to be Accredited by NABL (TC No. T2610) & Approved by CEMILAC (THA-15)

Environmental Tests

1A. High Temp upto +130°C

1B. Low Temp upto -70°C

2A. Thermal Shock from -70°C to +130°C

2B. Thermal Cycle from -70°C to +100°C

3. ESS -40°C to +130°C @ 5°C/Min

4A Steady Humidity upto 70°C & 98%RH

4B. Damp Heat cyclic from 10°C to 70°C
     with Humidity from 25%-98% RH

5A. Salt Fog as per JSS55555 (7 Salts)

5B. Salt Spray as per MIL-810F

6. Shock / Bump Tests

7. Vibration Tests

   A. Sine

   B. Random

   C. Sine-on-Random

   D. Random-on-Random

   E. Classical Shock / Half Wave

Electronic / Optical

1. Measurements

   A. Voltage, Current & Frequency

   B. Insulation Resistance

   C. Weight

2. Optical Measurements

HERRMANN RESEARCH PRODUCTS & LABORATORIES PVT LTD

A-20, Plot No. 28, MIDC, SATPUR, NASHIK - 422 007, MAHARASHTRA, INDIA

Tel : 0253-2355270   Email: testing@hrpl.in

INDIGENOUS DEVELOPMENT & REPAIR OF AVIONICS

TIC - MiG-29

SCU - MiG-27
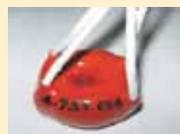
Pulse Xformer - KM-28

Radio Altimeter - MiG-29

VTR Battery - MiG-21B

MU-617 - Su-30TH

25KV Connector Device

OST1-11303-73 Bonding Strips

HV Rectifier - KM-28

HV Cables - KM-28

Launcher - IGLA

DC Amplifier - Pachora Radar

SONIC MULTITECH PVT LTD

C-11/33, NICE, MIDC, SATPUR, NASHIK - 422 007, MAHARASHTRA, INDIA

Tel : 0253-2350221 / 2355221   Fax:+91-253-2360608   Email: sales@sonicmultitech.co.in