IETE NEWS LETTER

The Institution of Electronics and Telecommunication Engineers

FROM PRESIDENT'S DESK

Dear Members,

Greetings and good wishes for a happy and prosperous New Year to all our readers.

New Year is generally the time to retrospect as well as look forward. It is the time to reflect on the highs and lows of our past year, as well as our plans and aspirations for the coming one.

The year 2017 has been satisfying and professionally rewarding for the institution, with most of our Centres showing upward mobility. As a community, we were delighted when AICTE recently published a public notice confirming valid recognition to all our students who were enrolled with us upto 31st May 2013, which would help them for their higher education and employment. However, this was already recognized by MHRD, earlier.

Let me assure all that we are pursuing this issue earnestly and hope to get affirmative response from higher authorities, who I am sure need no introduction to IETE and its benevolent activities. I look forward to the year ahead in keen anticipation of my members' enthusiastic support towards the activities of the institution, together with renewed sense of commitment.

On the activity front, IETE recently organized 64th Foundation Day of the institution on 2nd Nov 2017 in a grand scale at HQ as well as various Centres/Sub-Centres, reinforcing its commitment for furtherance of intellectual enhancement of our members in the respective domain. The topic "Changing the World through Data Science" fired the imagination of one and all and I strongly urge larger attendance at such thought provoking sessions, where leading experts expound mind boggling advances that shape human destiny. Another significant event was 27th Sir J C Bose Memorial lecture delivered by eminent personality- Prof Jagadesh Kumar, Vice Chancellor-JNU, New Delhi on the topic, "Philosophical Origins of Higher Education". His inspiring lecture compelled listeners to ponder over current challenges faced by the human society such as environmental protection, mental health, quality of life rather than merely technology focusing on standard of living.

Members would be glad to know that the institution is forging ahead with bold initiatives to empower women members of our society via holding special educative women centric sessions. We are aiming at giving the underprivileged women either free computer education or hold interactive sessions to enhance their awareness level about the potential they can achieve via digital empowerment. Success stories in this regard will be highlighted via a special sub-link on our website. Members are requested to share their programme contents with IETE.

IETE Telecommunications Regulatory Advisory Committee in its recent meeting formulated recommendations to serve as valuable inputs to the Government for the upcoming 'National Telecom Policy-2018'. These focused on Digital India (Smart Cities, Broadband Highways), Make in India (Manufacturing, R&D, Export Promotion), Telecom Infrastructure (Green Telecom, Sharing & Safeguarding of Infrastructure), Spectrum Management (Efficient use, Harmonisation & Audit) and Skill Development-cum- Capacity Building . It is fervently hoped that these inputs will create significant value-addition.

Other initiatives that IETE is planning to undertake are (a) Creation of a digital platform-"IETE Discover" to promote and publish papers presented by students/scholars at ISF events or during any Conferences at IETE Centres. (b) Incentives to ISFs, Centres/Sub-Centres, Organizations who enroll large number of fresh members.

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IETE HQs, New Delhi

Perhaps many of our members may like to take advantage of such incentives that IETE is offering under membership drive. Alumni members can appeal their friends to join IETE. I am sure we can accomplish more with the help of members' contribution.

IETE is also thinking of organizing/hosting some flagship conferences/seminars in niche areas for the benefit of the professional community. In 2018 IETE Bangalore Centre will be conducting 1st IETE International Conference India- 2018 on Technological Advances and Applications in IoT, Data Analytics/Big Data & 5G" during 2-4 May, 2018 at Bangalore.

Under Skill development programmes, IETE successfully trained about 97 students in various certificate/Diploma/Advance Diploma/Post Graduate Diploma courses of Information Security and Cyber Forensics with the collaboration of Sedulity Group. Next, we have signed an agreement with M/s Proedge to conduct courses like Digital Marketing, Data Science, Java/C++ at Delhi and NCR. Efforts are being made to start these courses soon. 'IETE Finishing School' is yet another programme which has been designed by IETE with an objective to groom fresh, unemployed engineering graduates in the Electronics, Telecom & IT domain. It will have 6-weeks full time skill enhancement course with an objective to bridge skill gaps of participants and help them getting employed with the appropriate industry. I urge the passouts to avail this opportunity by getting enrolled in IETE Finishing School. Applications can be sent as per the advertisement details hosted on www.iete.org.

Lastly, IETE Centres/Sub-Centres, which have significant role and responsibilities to play in propagating the objectives of organization are entreated to rise up to the occasion and explore the ways of interacting with the State Governments to promote state level technical programs or activities that could be taken up at school/ college levels to add meaning and value to our activities. I am happy that all our Committees and Boards of the Institution are working towards it.

We appreciate the continued support of our members and look forward to work together in a common endeavour of development to further enhance the image and stature of this great institution.

Wishing you all once again a very happy New Year 2018.

Prof (Dr) KTV Reddy

IETE 60th Annual IETE Convention (AIC) - 2017 on "Marching Towards Digital Economy"

News from Headquarters

IETE 60th Annual IETE Convention (AIC) - 2017 on "Marching Towards Digital Economy"

Digital India initiative by the Government is poised to leapfrog country to $1 trillion economy by the year 2022. This new productivity platform aims to usher inclusive empowerment of people. To capture the impact of this mind-boggling pace of change, IETE held this year's **Annual Convention** during 17-18 September on the topic, **'Marching towards Digital Economy' at Kochi**.

The event was inaugurated by **Vice Admiral AR Karve, AVSM**, FoC-in-C Southern Naval Command. **Dr Vinay Kumar Dadhwal**, Director, Indian Institute of Space Science and Technology, Trivandrum, delivered inspiring **49th Bhabha Memorial Lecture** during the inaugural session. Eminent experts from India and abroad besides Governing Council Members, Past Presidents and Distinguished Fellows attended.

Venue, the Auditorium of Rajagiri School of Engineering and Technology (RSET) situated on extreme end of the city provided an intellectually-stimulating environment, where delegates - mostly youngsters bubbling with their findings - gathered for interchange of ideas.

Hosted by IETE Kochi centre and RSET, the event

Prof (Dr) KTV Reddy President IETE being installed by the Chief Guest Vice Admiral AR Karve, AVSM, FoC-in-C Southern Naval Command

was a resounding success where students, teachers and experts fruitfully interacted to understand implications of this transformative technology. Interestingly, the presence of overseas Awardees from Denmark, Malaysia and Iran added tremendous value to the depth of interactions.

Shri CK Haridas, Zonal Coordinator (South) welcomed the audience and **Prof (Dr) KTV Reddy** provided overview of the AIC. President IETE, **Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd)** mentioned that India's 500 million+ Net users - second to China - aspire to emulate world's most valuable companies like Apple, Alphabet, Microsoft, Amazon to transform India to become a knowledge economy creating a complete new breed of skilled jobs.

Life Time Achievement Award was presented to Past President and Distinguished Fellow, **Lt Gen Ashok Agarwal, PVSM (Retd)** who selflessly served the profession for over five decades. Distinguished Fellowship was conferred upon **Brig Lakshman Singh, VSM (Retd)** and Past President, **Shri RK Gupta**. Long service retiring Council members, **Dr S Pal** and **Prof C Murali** were honoured for their services. The function also witnessed the soft launch of the book by **Prof S C Dutta Roy, DFIETE**, on **"Circuits, Systems and Signal Processing"** which is a collection of tutorial articles.

Prof (Dr) KTV Reddy was installed as the new President who outlined his dream-vision for future strides by the institution, namely setting up of the IETE University.

Dr TK Mani, Chairman Kochi Centre traced historical background of the Bhabha Memorial Lecture, where eminent experts expounded their ideas. **Dr VK Dadhwal** in his Lecture provided overview of the space technology, tracing roadmap of country's stellar milestones like Chandrayan, Mangal yaan, launch of 104 satellites from one Rocket at fraction of costs incurred by others. Epochal development of cryogenic technology - denied by super powers - upped India's image amongst comity of nations. He highlighted establishment of two Indian Earth Stations in Antarctica as part of monitoring mechanism of climate change. Space - mankind's final frontier is all set to enable the world to attain 'Global Sustainability Goals'.

Vice Admiral AR Karve AVSM emphasized the benefits of Government's giant steps towards launch of Digital Economy via transformative innovations. Rapid smart-phones growth in Tier –II cities is leading to seamless penetration of 4G technology, enabling a whole range of services without commuting. He stressed emerging challenges like IPR, Security, legacy brick-and mortar entities competing with e-commerce giants. Universal use of mobiles has empowered common man, improving quality of life. He highlighted Indian Navy's role in hosting multiple services via a robust foolproof network.

Prof Ranjan Kumar Mallik of IIT Delhi, while delivering **IETE Ram Lal Wadhwa Award Lecture** elucidated the deployment of low-power, low-complexity receivers for sensor networks embracing Internet of Things and 5G technology. Distributed Antenna systems overcome major technical limitations. His talk covered the usage of Multiple-input multiple-output (MIMO) system employing multi-level amplitude shift keying, where he filed a US patent.

Technical sessions were managed by **Dr TK Mani**, Chairman, Kochi Centre. Presentations of contributed papers by scholars elicited lively response. Valedictory session consisted of conferment of wide range of IETE awards to recognize excellence in scientific endeavor. These awards also included: **Best Centre**: 1st Position- Hyderabad; 2nd Position: Ahmedabad; **Best Sub-Centre**: 1st Position- Kozhikode; 2nd Position: Nashik.

Cultural program by local artists was highly appreciated. The AIC culminated in special visit to Kochi coastal waters.

IETE celebrates its 64ᵗʰ Foundation Day

India's niche professional society, the Institution of Electronics and Telecommunication Engineers celebrated its 64ᵗʰ Foundation Day on November 02, 2017. Foundation stone for the nationally recognized Institution was laid by Dr S Radhakrishnan, the then Vice President of India on 02 Nov 1953. Since then the Institution has grown from strength to strength and is now counted among the leading professional societies, and is devoted to the advancement of science & technology in Electronics, Telecommunication, Information Technology, Computer Science and other related disciplines.

The theme chosen to commemorate this year's IETE Foundation day was "**Changing the World through Data Science**". The dignitaries included, **Dr M P Poonia**, Vice Chairman AICTE; **Dr B K Murthy**, Group Head, MeITY; **Prof (Dr) KTV Reddy**, President IETE; **Shri Gurjit Singh Butalia**, Director (Technology) Aricent; **Mrs Bina Sharma**, CEO, Yukti Consulting; **Prof M N Hoda**, Chairman Technical Programmes & Publicity Committee(TPPC) and **Maj Gen P K Jaggia, VSM (Retd)** Secretary General IETE. The event was attended by Past Presidents of IETE, Governing Council members of IETE, Govt departments, Defense services, industry and volunteers.

The overview of the programme was given by **Prof M N Hoda,** who traced the milestones achieved by IETE like celebrations of Silver Jubilee followed by Golden Jubilee impacting lives of more than 1 lakh students during its 64 years of existence. He said that IETE was engaged in polishing skills via value added conferences and globally renowned publications. President IETE, **Prof (Dr) KTV Reddy,** in his address outlined the laudable aims and objectives of the Institution via its multidimensional activities, providing platform for creating awareness about latest technological trends at 63 Centres located in India including one at Kathmandu, Nepal.

Chief Guest, Dr Poonia, emphasized on building 'enduring partnerships' between industry and academia to leverage the emerging opportunities in view of digital transformation. He remarked that though industry is changing its paradigm in tune with global trends, educational institutions have yet to embrace the tempo. He rued that almost 50% educational infrastructure remains unutilised. Dr Poonia announced that AICTE is revamping academic curricula to include latest topics like Big Data, Data Science, Artificial Intelligence, IoT, to address the yawning gaps in the intellectual skill sets.

AICTE is also formulating Start-up policies to meet the aspirations of youth who are bubbling with new ideas. He emphasized that mentors need to guide the young generation and vast knowledge base of IETE senior members should be exhorted to shoulder this responsibility. He also appreciated IETE's yeomen role in propagating the latest technological knowledge at nominal cost to students.

Dr B K Murthy, in his quite inimitable way allayed the fears of youngsters sitting in the audience lest they be overwhelmed by the latest jargon and feel left out. One needs to understand how to cope up with the change, for which continuous updating or re-skilling is the need of the hour at every level, whether student or a teacher. Many disruptive technologies are coming leading to job worries but the interesting thing is that internet provides opportunity to re-skill yourself via Online courses which are mostly free. He remarked that the same internet connectivity is enabling patients in remote areas to avail of medical consulting over phones.

Guest speaker **Shri Gurjit Singh Butalia**, remarked that Data Science known as statistics in earlier days has witnessed tremendous reduction in life cycle, via online connection of data. This phenomenon called 'Data driven Analytics' gives useful feedback to implement real time action in practical situations. Today we have evolved from scarcity of data to explosion of data. To extract actionable knowledge from this vast data, there are tools like Cloud infrastructure, AI and algorithms, which are influencing our day-to-day lives. He cited the example of Google maps, used by cab companies like Uber and Ola. Self driving cars being tested in countries like Singapore, USA, Germany use 'deep learning' algorithms. Outlining the future trends he mentioned that Data Science will have useful applications in the areas of voice recognition, Computer Vision and Life sciences to enable us live healthy, long lives. He stated that ultimate use of Data Science will be to understand human behaviour to proactively manage conflicts.

Ms Bina Sharma mentioned that Data driven insight is central to provide strategic guidance in what she called as the 4ᵗʰ Industrial Revolution. Jobs will be created in new areas, 5 year old children will be performing the jobs that we have never heard before. Dominant trend today is towards open source software because most organizations including start ups have limited budget, which prevents them to make upfront investment. Flexible work environment will be the order of the day which will give fresh opportunities to earn more. She urged everyone to look closely at the ten strategic technical trends predicted by technology Consultant Gartner. Data Scientists need to be students all their lives to manage agile environment created by technologies like Blockchain, Cognitive machines, Robotic workforce, Artificial Intelligence and so on. She outlined names

of few overseas companies who specialize in providing Data Centric training.

Shri Atul Garg, Fellow member of IETE based in Australia, who was instrumental in opening a new Professional Activity Centre (PAC) in Perth, also graced the event along with his wife. He was felicitated for his yeomen services by President IETE. IETE also felicitated senior members who had long
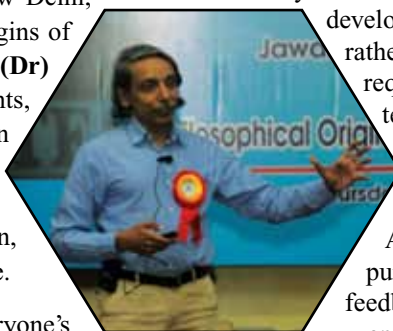
association with IETE. Members were: **Shri Rajesh Kumar Arnold (F082719); Shri S S Madan (F-050510); Shri V P Sethi (F 009930); Shri Pooran Mal Bansal (F-054502)** and **Cmdre Naveen Chandra, VSM (Retd) (F 053481)**.

The programme concluded with a lively Hasya Kavi Sammelan, where four eminent poets regaled the IETE fraternity.

23rd Sir J C Bose Memorial Lecture – at IETE HQ

Commemorating the birth anniversary of Sir J C Bose on 30th Nov 2017, the **23rd Sir JC Bose Memorial Lecture** was delivered this year by **Prof M Jagadesh Kumar**, Vice Chancellor, Jawaharlal Nehru University, New Delhi, at IETE HQ on the theme 'Philosophical Origins of Good Teaching in Higher Education'. **Prof (Dr) KTV Reddy**, President IETE, Past Presidents, Distinguished Fellows and Members present on the occasion, appreciated the inspiring manner in which it was delivered. The welcome note was delivered by **Prof M N Hooda**, Chairman, Technical Programmes & Publicity Committee.

The Guest Speaker successfully captured everyone's attention by sharing his educational philosophies. He stressed the need of developing positive life style amidst technological transformational change. He highlighted how the technology is overwhelming our lives, attitudes. He said that a good teacher is a good human resource, who should know how to interact with his students and must have clear perception of role of a teacher and students.

Prof M Jagadesh Kumar
Vice Chancellor, JNU, New Delhi,
delivering the Memorial Lecture

The speaker's presentation made the audience ponder over the bigger challenges and issues being faced by the human society today, be it mental-health issues like anxiety and depression, scarcity of biodiversity, environmental protection, spiritual development or need of looking into quality of life rather than standard of living. He highlighted the requirements of continuous skill developments by teachers to be effectual, apart from the necessity of continuous communication, clear content delivery, critical thinking, and good teamwork with students in the teaching environment. According to **Prof Jagadesh Kumar** the purpose of examination should only be to provide feedback to students of their learning progress and emphasized on the need of assessing them through constant quizzes, home assignments, preparing report on a topic or via seminars. He said that quality of enthusiasm should be integral with the teachers. He clearly brought out physical and inspirational aspects of teaching and learning, crucial role of teachers in student's life, beside his personal teaching experiences in the profession. Vote of thanks was proposed by Secretary General, **Maj Gen PK Jaggia, VSM (Retd)** at the end

IETE Zonal Seminars and ISF Congress

• **IETE East Zone Seminar** with **ISF Congress** was conducted during 15th-16th Jul 2017 at IETE Kolkata Centre on **"Technology Needs for Smart India"**. **Sri S C Rudra**, Chairman, IETE Kolkata Centre in his opening remarks welcomed the dignitaries, Chief Guest **Shri Debashis Sen**, IAS, Additional Chief Secretary, Govt of West Bengal, President IETE, other delegates and participants. This was followed by lighting of inaugural lamp. President IETE **Lt Gen (Dr) A K S Chandele, PVSM, AVSM (Retd)** in his address highlighted the activities, future plans, social importance of IETE in the engineering fraternity. IETE Eastern Zonal Seminar book was released by Lt Gen Chandele. Delivering his address on Smart City, the Chief Guest- **Shri Debashis Sen**, pointed the importance of concept in our society, and explained its benefits, security for inhabitants. Lt Gen (Dr) A K S Chandele, PVSM, AVSM (Retd) and Shri Debashis Sen were felicitated each with uttario and memento. **Shri N Mitra**, Hony Secretary, IETE Kolkata also shared the dais. Session ended with vote of thanks by Shri P S Biswas, Hony Treasurer, IETE Kolkata Centre.

IETE East Zonal Seminar on "Technology Needs for Smart India" held on 15th-16th Jul 2017 at IETE Kolkata Centre

• A two-day **IETE North Zone Seminar** and **ISF Congress** was conducted on "**Role of ICT in development of Smart Cities**" on 6th-7th Sept 2017 at DAV University Jalandhar, inaugurated by **Dr Jasbir Rishi**, Dean (Academics). Others present were **Dr KK Rattu**, Director Media, DAV University, **Dr Satvir Singh**, Professor, IKGPTU Jalandhar and **Dr Vijay Banga**, Professor and Principal, ACET Amritsar. Participants across the region from BITS Mesra Jaipur; ACET Amritsar; GNDEC Ludhiana; DAVIET,SBBS University; LPU, GNA University; DAV University Jalandhar; got registered in

different technical events which included paper presentation, project/poster presentation, coding decoding, quiz, multimedia presentation and robo-race.

Dignitaries during IETE North Zonal Seminar on "Role of ICT in Development of Smart Cities" held on 6th-7th Sept 2017 at IETE Jalandhar Sub-Centre

The seminar was inaugurated on second day by **Prof (Dr) Lalit Awasthi**, Director, NIT Jalandhar, as the Chief Guest, who also delivered the keynote address. **Prof (Dr) A K Paul**, Vice Chancellor, **Dr RekhaKalia Bhardwaj**, Registrar and **Dr Jasbir Rishi**, Dean (Academics) DAV University were the other dignitaries on the dais. Prof (Dr) Paul in his welcome address touched upon the importance of ICT in development of not only smart cities but smart villages. Prof Gagan Deep Aul, Hony Secretary IETE Sub-Centre Jalandhar delivered concept note of the seminar. Prof (Dr) Lalit Awasthi explained the significance of ICT in resource management, waste management and smart transportation systems for upcoming smart habitats. Dr Sanjay Sood, Jt Director, C-DAC Mohali, presented an experiential view of how smart cities and technologies would lead to healthier and safer livelihood of citizens in a resource burdened future. Dr Ravi Inder Singh, Professor, GNDU Amritsar, highlighted the need of architectural innovations and smart urban planning techniques that can make smart cities a live reality.

Shri Utkarsh Mishra and **Shri Aditya Sharma** were recognized for securing 1st position in paper presentation competition, for their paper titled **"Cyber Security: Threats & Measures"**. Both the students are from IIIrd semester of ECE Dept of ISF, Birla Institute of Technology, Mesra, Jaipur.

• The **IETE Zonal Seminar** and **ISF Congress 2017**

(West Zone) was organized by IETE Yavatmal Sub-Centre at Jawaharlal Darda Institute of Engg & Technology, Yavatmal campus on "**Recent Trends in Engineering & Technology"** (**RT$_{in}$ET-2017)**" on 8th Sep 2017. It was inaugurated by the then IETE Zonal Coordinator, West Zone- Prof (Dr) KTV Reddy, under chairmanship of Shri Kishor Darda, Secretary, JDES, Yavatmal. The other dignitaries who graced the occasion were **Dr AA Ghatol,** Ex Vice- Chancellor BATU, Lonere; Ex Principal GCOE Pune; **Er AR Sawatkar**, Principal GM (Mobile), Vidarbha-Marathwada Region, BSNL Nagpur; **Shri Nitin Shrivastava**, Plant Head, Raymonds UCO Denim Pvt Ltd, Yavatmal; **Dr PV Ingole**, Chairman, IETE Amravati Centre; **Dr AW Kolhatkar**, Principal, JDIET Yavatmal. Others in attendance were: **Dr SM Gulhane**, Chairman Sub-Centre and convener IETE Zonal Seminar & ISF Congress 2017;

Prof A P Thakre Past Chairman of Amravati Centre, and **Prof Khedkar,** Past Chairman, IETE Pune Centre.

Session in progress during IETE West Zonal Seminar on "Recent Trends in Engineering & Technology" held on 8th Sep 2017 at IETE Yavatmal Sub-Centre

Nominated IETE Governing Council Members (2017-18)

Prof (Dr) A K Saini (F-101917), is working as a Professor in GGS Indraprastha University, New Delhi since 2007**.** Before joining this University he was holding a senior academic position at University of Delhi. He carries with him blend of industrial and academic experience of more than 32 years out of which six years in the industry in responsible capacities. Dr Saini has to his credit eight published books and over one hundred papers in national and international journals/conferences. He has travelled extensively abroad and has visited Europe under Teacher-Exchange Programme for teaching courses abroad. Dr Saini is also the Director of Industry Interaction Cell and Convenor of Centralized Placement Cell of the University. He has been pro-actively involved with professional associations and is Senior Life member of CSI, FIETE, Life Member of AIMA, Operational Research Society of India (ORSI). Dr Saini has served as Governing Council member of IETE for two terms and has been Chairman of IETE Delhi Centre. He also served as Chairman of the National Nomination Committee of Computer Society of India. Dr Saini is a member of the Board of Studies of several Universities and has guided ten Ph.D scholars. He is a part of the Advisory and Editorial team of several National and International Journals.

Shri Kartik Parikh (F-084536), received BE (Electrical) from VJTI, Bombay University in 1984 and Masters in Computer Engineering from the University of Missouri University of Science And Technology, USA in 1987. Shri Kartik founded FASTECH Telecommunications (I) Pvt Ltd, which is recognized as the premier telecommunications test instrument and monitoring system provider in the Indian sub-continent. He is largely responsible for building FASTECH from a two people startup to a 40+ employee company with all-India operations extending also to SAARC nations. FASTECH's

fields of engagements span across RF, Fiber Optics, GPON, Optical Transports Network, IP backhaul, IMS and LTE services etc. FASTECH recently set up the first electromagnetic field calibration laboratory one of its kind in India, which is certified to meet international standard and is NABL accredited. Shri Kartik has given numerous talks on relevant technology themes in telecommunications as well as on industry-academic partnerships, and on skill development for telecommunications in India and abroad. He is a life-time fellow of IETE and was in its managing committee of the Mumbai Section from 1997 until 2000.

Shri BHVS Narayana Murthy (F-237383), is Director, Research Centre Imarat (RCI), DRDO. He is spearheading development of Avionics technologies in critical areas of Navigation, Embedded Computers, Control, Guidance, Simulation, RF and Infrared Imaging Seekers, Telemetry for Indian Missiles and other defence programmes. He has made significant contributions towards design, development and delivery of onboard computers, missile launch processors, real-time mission softwares with novel fault tolerant schemes and system on chip for missions of national significance. He pioneered development of embedded computers and other critical Avionics sub-systems, successfully flight tested in the three missions of the country's first ICBM class Agni-5 missile with range of over 5000 km. He developed the Smart Anti Airfield Weapon bolstering weapons capability of Armed Forces. He led the development and production of miniaturized SatNav receivers and System on Chip. Shri Murthy obtained BTech in ECE from REC, Warangal and MTech from JNTU, Hyderabad. He is Fellow of the Indian National Academy of Engineering, a Fellow of IETE, Senior member IEEE, Life Member of Aeronautical Society and Computer Society of India. Recipient of DRDO Scientist of the Year Award, Path Breaking Research/Outstanding Technology Development Award and DRDO Performance Excellence Award.

New Members of IETE enrolled/upgraded during Aug-Nov 2017

S.N.	MEM	CAT	NAME
1	500774	AM	Mahato,Bidyut
2	500775	AM	Upadhyay,Shipra,Dr
3	500776	AM	Chitraja,M J
4	500777	AM	Lokesh P
5	500778	AM	Bharathi V
6	500779	AM	Malakondaiah G
7	500780	AM	Vemazah P
8	500781	AM	Chandana S
9	500782	AM	Chandra Mouli P H
10	500783	AM	Somalatha U
11	500784	AM	Reena D
12	500785	AM	Pesha J V
13	500786	AM	Rani R
14	500787	AM	Nair,Ajin R
15	500788	AM	Naveen Balaji G
16	500789	AM	Ashim Iqbal Md
17	500790	AM	Kota,Rajesh Reddy
18	500791	AM	Ravi G T
19	500792	AM	Batta,Sandhya V
20	500793	AM	Singh,Avijit
21	500794	AM	Nimitha M
22	500836	AM	Mehdi,Nadeem
23	500837	AM	Periyasamy R,Dr
24	500838	AM	Vidyasagar,K N
25	500839	AM	Neethu K N
26	500840	AM	Sowmya C H
27	500841	AM	Balani,Warsha
28	500842	AM	Sarveda S
29	500843	AM	Nalband,Abdul Haq
30	500844	AM	Jyothi S T
31	500845	AM	Tanweer
32	500846	AM	Thomas,Susan
33	500847	AM	Raghu K
34	500848	AM	Sowmiya Bharani B
35	500849	AM	Ravi Shankar D
36	500850	AM	Alla, Srija
37	500851	AM	Anupama R
38	500852	AM	Saxena,Sugandha
39	500853	AM	Md Tauseef
40	500854	AM	Anil Kumar V
41	500855	AM	Bharath H P
42	500856	AM	Ahmed,Roshan Zameer
43	500857	AM	Madan H T
44	500858	AM	Praveen V Vijapur
45	500859	AM	Sunil D M
46	500860	AM	Aryalekshmi B N
47	500861	AM	Pavan Kumar U
48	500862	AM	Vinay N A
49	500863	AM	Ashwini P
50	500864	AM	Nitya S
51	500865	AM	Pratima A
52	500866	AM	Shakya,Harish Kumar
53	500867	AM	Singh,Kuldeep
54	500868	AM	Chaitanya Sivalenka
55	500869	AM	Mamilla,Sreenivasulu
56	500870	AM	Kansal,Parnika
57	500871	AM	Kulkrni,Smita S
58	500872	AM	Nagarale,Amit V
59	135744	F	Anjaneyulu,R V G
60	158488	F	Nair,Prashant R
61	166266	F	Bhattacharjee,Subhadeep, Dr
62	174362	F	Shashi Kant
63	225123	F	Cherukad,Dilip
64	500189	F	Kalla,Ujjwal Kumar,Dr
65	500751	F	Mukesh Kumar,Dr
66	500752	F	Qazi,Sanjay
67	500753	F	Sushil Kumar,Dr
68	500754	F	Obulesu,D,Dr
69	500755	F	Rama Murthy L
70	500756	F	Jain,Alok,Col
71	500757	F	Sreedhar G V N
72	500795	F	Sen,Utpal
73	500796	F	R Venkata Siva Reddy
74	500797	F	Bharathi S H,Dr
75	500798	F	Seshikala G,Dr
76	500799	F	Basarkod,P I,Dr
77	500800	F	Savitha P R
78	500801	F	Nayana D K
79	500802	F	S N Prasad
80	500803	F	K M Sudharshan
81	500804	F	Roy,Sudipta,Prof
82	500805	F	Sil,Gautam
83	500806	F	Mahapatra, Gautam
84	500807	F	Vijay Kumar B P, Dr
85	500808	F	Adhikari,Debashis,Dr
86	116488	M	Nandanwar,Dilip,P
87	139602	M	Ch Sateesh Chandra
88	197633	M	Mahato, Dharmendra Prasad
89	238057	M	Patel, Manoj Kumar,Dr
90	500758	M	Varaha, Ravi Kiran,Dr
91	500759	M	Shylashree N,Dr
92	500760	M	Jayadeva,T S,Dr
93	500761	M	Kota,Ganesh Kumar
94	500762	M	Punitham V
95	500763	M	Kiran Kumar N
96	500764	M	Chandrasekhar H
97	500765	M	Murali Mohan C S
98	500766	M	Muni Reddy T
99	500767	M	Mahesh Y
100	500768	M	Kar, Sudatta
101	500769	M	Aneesh K
102	500770	M	Koduri,Sathish
103	500771	M	Srikanth C
104	500772	M	Chandrasekaran K
105	500773	M	Nagarathna H S
106	500809	M	Gudodagi, Raveendra S
107	500810	M	Joshi, Prashant V, Dr
108	500811	M	Anitha Kumari R D
109	500812	M	Dilip Chandra E
110	500813	M	Purohit,Amrut Anilrao
111	500814	M	Dilana U
112	500815	M	Deepthi Murthy T S
113	500816	M	Mohammed, Riyaz Ahmed, Dr
114	500817	M	Kounte,Manjunath R,Dr
115	500818	M	Nataraj URS
116	500819	M	Nirmala L
117	500820	M	Prameela N
118	500821	M	Priyadarshini,Rashmi
119	500822	M	Raji C
120	500823	M	Divya M N
121	500824	M	Manjunath G A
122	500825	M	Arekal,Raganna
123	500826	M	Nirmalkumar S Benni
124	500827	M	Tangade,Shrikant S
125	500828	M	Hegde,Pratibha V
126	500829	M	Bhattacharya,Debarati
127	500830	M	Meena,Devanand
128	500831	M	Nayani,Veena
129	500832	M	Mahankali,Sampath
130	500833	M	Borkar,Sangam Prafulla
131	500834	M	Vyas,Sandeep,Dr
132	500835	M	Eswara Chaitanyy D,Dr
133	G00533	ORG	St Mary's Engineering College, Hyderabad
134	G00534	ORG	Kolhapur Institute of Technology, Kolhapur
135	G00535	ORG	Shri Ambabai Talim Sanstha's College of Engineering, Sangli (Pune)

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

News from Centres/Sub-Centres

The technical events organized by IETE Centres/Sub-Centres during the past four months were as follows :

AHMEDABAD

• The Centre celebrated **Engineers' Day** on 23rd Sep 2017 at Millennium Hall, Silver Oak College of Engineering & Technology on **"Role of Engineers in a Developing India". Shri Rajendra N Gaikwad**, Convener of Program Committee & LEC member, highlighted importance of Engineer's Day. **Smt Smriti Dagur**, Past President IETE touched upon the current activities and ISF students in her address. She inspired the students to take initiatives for new challenges in their fields and urged them to visit the ISRO Exhibition, Ahmedabad. A presentation of IETE activities was made through video after her speech. **Smt Sweta Khandwala**, Dir, Silver Oak Group of Institute graced the occasion. Other speakers were: **Dr Saurin Shah**, Principal, Silver Oak College of E & T, **Dr Siddharth Jadeja**, Principal of Aditya Silver Oak and **Prof Nikunj Tahilramani**, HoD EC, SOCET.

Engineer's Day celebrated at IETE Ahmedabad Centre

• A workshop on **"NavIC and GaGan Applications & Technologies"** was organized jointly with SAC/ISRO at Silver Oak College of Engineering & Technology on 23rd Sep 2017, with **Shri Nilesh M Desai**, Dy Dir, SNAA, SAC, Ahmedabad, as the chief guest. Dr Saurin Shah & Shri Aditya motivated students through their talks. Shri Rajendra N Gaikwad, Convener of Prog Committee introduced the topics and **Shri Atul Shukla**, Scientist, SAC/ISRO, threw light on **"GAGAN: Systems & Research Potentials". Shri Nilesh M Desai,** spoke on **"NavIC Applications & Enabling Technologies- Practical Case Studies".** Videos on GaGAN & NavIC were shown to the students. Live demonstrations were done by a team of scientists from Space Applications Centre, Ahmedabad on NavIC SPS Receivers, NavIC Dongle Receiver, NavIC Messaging Receiver, NavIC ASIC based Receiver; on Mobile Satellite Service (Reporting Service, Broadcast Service, Multimedia Service, Hand voice service) and on Vehicle Tracker Application using NavIC Rx, GSM & MSS RT in Silver Oak College Campus as well as SAC campus. The live tracking of NavIC receiver mounted on vehicle was displayed. The data from NavIC receiver was transmitted using MSS reporting terminal to HUB and from there it could be visualized on web portal. LEC Members Shri Rajendra N Gaikwad, Shri Sudhir Aggarwal, Shri CN Joshi, Prof Pankaj Prajapati, ISRO Team and Prof Nikunj Tahilramani (HoD, EC) with support of faculty member of Silver Oak College and IETE

staff contributed towards the success of the program. ISRO team was felicitated by the Chief Guest.

• **Centre's Foundation Day** was observed on 29th Oct 2017. **Dr S B Sharma**, Ex Deputy Director Antenna System Area, Outstanding Scientist of ISRO SAC, Vice Chancellor/President Indus University was present as the Chief guest. The two expert speakers were **Dr Dhaval Patel**, AP/School of Engineering and Applied Science of Ahmedabad University, and **Shri Sudhir Agarwal**, Scientist/Engineer 'G' from SNAA of ISRO-SAC. Dr Sharma is a rare blend of fundamental researcher with sound understanding of the advanced electromagnetic modeling techniques and innovative hardware engineer having 44 years of diversified research, academic and teaching experience. Dr Patel's area of interest includes Cyber Physical System, Cognitive Radio Networks-Physical Layer, Molecular Communications and MIMO Communications.

• The Centre felicitated **Prof O P N Calla** on 8th Nov 2017, the Father of Microwaves Remote Sensing, Past President IETE, Past Chairman IETE Ahmedabad and Ex Communication Area Chairman Space Application Centre - ISRO.

• **64th IETE Foundation Day** was observed on 10th Nov 2017 on theme "Changing the World through Data Science". **Dr Rajkumar**, Dy Director, EPSA, SAC/ISRO was the Chief Guest while the theme speaker was **Dr Surya Durbha**, Assoc Prof, CSRE from IIT Bombay, gave his presentation on "Mobi-Informatics- Mobile map data for the societal benefit" and explained data science, handling, management, security and job opportunities. A special talk was also delivered by **Shri Rajendra N Gaikwad**, Scientist SAC/ISRO. Invited speaker **Shri Awdhesh Sharma**, National Oceanic and Atmospheric Administration, USA, offered a recorded lecture with power point slides for display for huge data application and handling and latest technology used in retrieval.

• A short-term course on **"Computer Internet and Smartphone Awareness (CISAP)"** was successfully conducted from 18th to 25th Nov 2017 to help women, housewives increase their awareness about computer and smart phone applications. Total 9 participants completed the course. The course was conducted and coordinated by Mrs Preeti Agrawal and other faculty members. **Shri V K Garg,** Outstanding Scientist ISRO and Former Dy Director, SAC, presided over the function and encouraged the participants to learn computer and apply in regular routine work. **Shri V K Jain** delivered welcome speech and motivated participants. **Shri Bhargav Padia, Shri Ananth Shah,** taught the participants about Microsoft word, Excel and Power point presentation. Smart phone awareness topics were covered by **Ms Preeti Agrawal.** Participants got more information of mobile settings and download applications like Ola app. Central Bank officer, **Ms Sarita** shared very useful information about net banking, account transfer, payment and account information. 7th Day of CISAP was followed by valedictory function, where **Prof Usha Neelkantan-**HOD EC, LD College of Engineering, was the Chief Guest. Shri K K Mehta Hony Treasurer welcomed the Chief Guest. Shri V K Jain, Chairman congratulated all participants with successful completion of

course while the participants shared their views at the end. The Chief guest delivered motivating speech and explained the necessity of such awareness courses from time to time. Vote of thanks was presented by Shri R M Makwana Hony Secretary.

Participants during "Computer Internet and Smartphone Awareness" Programme

ALLAHABAD

• On the occasion of **Engineer's Day** on 27th Sep 2017, Chief Guest **P S Rai,** Chief Signal & Tele Comm. Engineer NCR Allahabad, spoke on the topic **"Advancement in Indian Railways"**. **Er RN Mishra**, Centre Chairman, delivered the welcome address while **Prof KK Bhutani, DFIETE,** through his address recalled contribution of M Vishweshariya made towards development of major engineering projects in India. **Er GS Shukla** proposed vote of thanks. Other prominent participants during the occasion were: **Prof SG Prakash, Prof Narsingh,** Head JK Institute of Applied Physics and Technology, **Dr Ashish Khare, Dr Rajneesh Srivastava, Dr RS Yadav,** Hony Secretary, **Er MK Singh**, **Er JP Mishra,** Centre Vice Chairman and **Dr GS Darbari**.

• **64th IETE Foundation Day** was celebrated on 9th Nov 2017, wherein **Dr Zafar Taqvi** prominent scientist from NASA was invited as the Chief Guest. He spoke on "**Latest trends in Space Communication**" elaborating various latest techniques used in space

Students with dignitaries during Foundation Day celebration at Centre

communication. He discussed the importance of RFID system which is helpful in tracing even the smallest lost particle or RFID tags that are attached to cash, clothing, and possessions, or implanted in animals and people, but he said the possibility of reading personally-linked

information without consent has raised serious privacy concerns. Prior to talk of Dr Zafar Taqvi, **Prof KK Bhutani**, Director UPTECH gave in brief the contribution made by Dr Taqvi during his stay at NASA and also at Huston University where he is working at present at a very senior position. Around 100 students attended. Prominent dignitaries were **Er GS Shukla**, former Director of ITI, **Prof Narsingh**, HoD, JK Institute, University of Allahabad, **Er MK Singh** Ex GM ITI, and **Prof PN Gupta** amongst others.

BANGALORE

The date- wise activities conducted by the Centre were:

07-12 Aug 2017: System Design & Engineering for Active Phased Array Radar course for BEL, ISRO and CQAL, where **Dr DC Pande**, Imdt Past Chairman was the Course Director and **Prof HS Bhatia**, Centre Hony Secretary was the Course Coordinator. **Shri S Vardrajan**, Former Director, LRDE inaugurated the course and delivered key note address. Subject experts were drawn from LRDE, Bangalore and Retired DRDO Scientists.

15 Aug 2017: Independence Day was celebrated and **Prof HS Bhatia**, Hony Secretary hoisted the flag.

08 Sep 2017: In association with UTL Technologies a five-day workshop on **"Digital Design using FPGAs"** was organized by **Shri Jagannatha Rao**. First three days were devoted to theory part and last two days were given to practicals.

9-10 Sep 2017: Under IETE Student Empowerment Program (ISEP), a workshop on **IELTS Preparation** was conducted, with **Shri Satyanadan** C, EC Member as the resource person.

15 Sep 2017: Engineers' Day jointly celebrated with IMAPS India Chapter. **A Hanumanth,** Dy. Director General, AIR, Bengaluru, the Chief guest, spoke on **"Latest Development in Radio Broadcasting".** **Shri A B Srinivasan**, Vice-Chairman presided over the function.

8 Oct 2017: A one-day workshop on **"3P of DSP: Pedagogy, Principles and Practice"** in association with Dept of EC, MS Ramaiah Institute of Technology (MSRIT), Bangalore, was held. **Shri G Ramesh**, Centre Chairman, **Dr Ashok Rao**, former Professor, IISc, Bangalore, **Prof HS Bhatia**, Hony Secretary, Shri Dwivedi, and Shri CG Raghavendra, Centre EC members attended the workshop. Shri Ramesh elaborated on the importance of signal processing, related it to cosmology and radio astronomy. He stressed on how interlinking of technologies was important for effective solutions. Interfacing with the help of sensors in mobiles, development of smart cities will lay focus on signal processing. He said that signal acquisition which requires a strong background of mathematics along with signal storage and processing would indeed be challenging. 100 plus participants were present. The person instrumental in organizing the workshop was **Shri CG Raghavendra**.

2 Nov 2017: **IETE Foundation Day** celebration and **IETE-NV Gadadhar** Memorial lecture were held together. **Prof (Dr) T Menakadevi**, the awardee of the memorial award delivered a talk on **"Data Analytics for Future Software Define Radio Technology"**. **Dr MH Kori,** spoke on **"**Changing the World through Data Science"**. S**elected senior IETEians were felicitated. Event had a gracious presence of **Prof BS Sonde**, Former IETE President, who was also honoured during the occasion.

Felicitations of Senior Members

CHANDIGARH

• The Centre celebrated **Engineer's Day** at the Dept of ECE of ISF- Ambala College of Engineering and Applied Research, Devsthali, Ambala on 15th Sep 2017. **Prof Ashok Kumar**, ISF coordinator and Head, ECE Dept, highlighted the achievements of Sir M Vishveswarya, in whose memory the event is celebrated. The event had gracious presence of **Dr Amit Wason,** Principal, **Gp Capt (veteran) CS Sharma**, Registrar, **Shri Ajay Pal Singh**, Training & Placement Officer. Winners of various events were given trophies & certificates by Prof Ashok Kumar, ISF coordinator. The winners for 1st & 2nd positions respectively, for various events like Rangoli, were: Ms Pallavi & Ms Tanveen (3rd year) & Kashish & Shagun (2nd year); **Project-display –** Shri Saurav (4th year); **Picture perception –** Shri Navjot (3rd year) & Ms Pallavi (3rd year); **Ad-Mad Show -** Ms Akansha & Ms Pallavi (3rd year) & Shri Kunal & Ms Geetika (4th year) and **Quiz competition –** Ms Neha Bansal & Ms Priyanka (4th year) & Shri Punit & Shri Harsh (3rd year).

Engineer's Day celebrated at Dept of ECE, of Ambala College of Engineering and Applied Research, Devsthali, Ambala

• The Centre celebrated the **64th IETE Foundation Day** on 2nd Nov

2017. Theme for this year was "Changing the World through Data Science" **Prof R K Sinha**, Centre Chairman & Director - CSIR-CSIO, Chandigarh, delivered the welcome address, whereas **Dr Meenakshi Gaur,** Addl Dir, National Institute of Electronics and Information Technology (NIELIT), Chandigarh, was the Guest of Honour. Shri Surender Singh Saini, Centre Hony Secretary read out the message of President IETE. **Dr Manish Arora**, Addl Director, NIELIT Chandigarh delivered an expert talk on **"Data Science and Big Data"**. He introduced audience to the concept of data science, big data and big data analytics. Dr P K Awasthi, Centre Hony Treasurer-IETE Chandigarh Centre concluded the programme with a formal vote of thanks.

IETE Chandigarh Centre celebrating Foundation Day

CHENNAI

• The Centre & ISF at Panimalar Engineering College, Chennai, jointly organized a guest lecture by **Shri A Athif Shah**, ABE Semiconductor Designs on "**Embedded Designs and Development".** Another guest lecture on **"Internet of Things (IOT)"** by **Shri Srinivasan.** Technical Treasure Hunt and Autonomous ground Vehicle Competition [ROBOT RACE] was also organized. The events were held on 22nd Jul 2017, 27th Jul 2017 and 1st-5th Aug 2017. About 200 members attended.

• The Centre & ISF at Kings Engineering College, Chennai jointly organized two-day workshop on **"Embedded system design and real time applications"** during 22nd-23rd Aug 2017. About 130 members attended.

• The Centre & IE(I), (TN) jointly celebrated the **50th Engineers Day** on the theme "**Role of Engineers in a Developing India**" on 15th Sep 2017. About 125 members attended.

• The Centre & ISF at SRM University–Kattankulathur, Chennai, jointly organized National level technical fest **AARUUSH'17: "The X1 edition** on 16th-19th Sep 2017 with 250 members in attendance.

• The Centre & ISF at Chennai Institute of Technology, Chennai, jointly organized a guest lecture, which was delivered by **Shri Santhanakrishnan,** DGM (Retd), BSNL, Chennai Telephones on "**Optical Communication**" on 25th Sep 2017. About 175 members attended.

• **Shri David Raj Daniel**, Practice Lead, Database Engineering and Architecture Risk Solutions Royal Bank of Scotland, Chennai was Chief Guest for **IETE Foundation Day,** that was observed on 28th Nov 2017. This was followed by felicitations of **Shri Tata Sudhakar**

(F-203179**)**, Sc 'F' National Institute of Ocean Technology, Chennai (Winner of **IETE-Hari Ramji Toshniwal Award- 2017)** who also delivered a presentation on **BioTech Research**. The highlights of the programme were Faculty Development Programme & Students' event, a Poster Presentation / Project Demonstration Competition. 70 students participated. **Dr Swarna Ravindra BaBu,** Centre Chairman gave the welcome address and Shri S Ramaswamy, GC Member & Past Chairman read out the President's message. Senior Member IETE was felicitated. Dr Sheeba Joice, Hony Secretary proposed vote of thanks.

Foundation Day celebrations at Chennai Centre

DEHRADUN

• On **IETE Foundation Day** 2nd Nov 2017, a talk was organized by the Centre on **"Women Empowerment"**, by **Dr Priya Zadu**, Director, State Centre for Adult Education, Uttrakhand, who has vast experience in the field of Women Empowerment, Adult Education and Save the Girl Child, projects of Government. The talk given highlighted the difficulty faced by women in their lives, and also tried to educate the audience in ways of helping the needy. About 100 members participated. The speaker has been associated with various projects of state and central governments like-**Saakshar Bharat-** related to Adult Education program of GOI; **Samavesh-** a pilot project on financial inclusion; **Awaahan- a** project to save girl child and ensure effective working of PCPNDT act, **UNDP-DoJ-** access to justice program and **UNDP-IKEA-** women empowerment program etc.

IETE Foundation Day celebrated at IETE Dehradun Centre with Dr Priya Zadu, Director, State Centre for Adult Education, Uttrakhand

DELHI

• The Centre organized a motivational lecture on the topic `**Goods & Service Tax (GST) – Recently introduced New Mechanism on Indirect Taxation**" by **Shri Manish Kumar Rastogi** on 22nd Oct 2017

for IGNOU students.

• A one-day workshop was held on **"Safety Measures for Digital Transactions"** by Shri **Dinesh Bhatt** on 14th Oct 2017. About 60 students attended.

• A one-day **women program** on **"Computer Literacy"** was organized on 20th Nov 2017 by **Ms Pritka Nagi,** Company Secretary, attended by about 30 women.

ERODE

• The Centre celebrated **Teachers Day** on 5th Sep 2017**,** by arranging a lecture by **Prof R Mohan,** Dept of Management Studies, Kongu Engineering College (KEC), Erode. **Dr S Arumugam**, Centre Hony Secretary, CEO, Nandha Educational Institutions (NEI) delivered the presidential address. **Dr G Murugesan**, Chairman/ IETE Erode Centre and HoD/ECE, KEC welcomed all. At the end, vote of thanks was proposed by Dr V Ashok, Hony Treasurer/IETE Erode Centre & Associate Professor/ECE/KEC. 40 members attended.

• A skill development programme was organized for the IETE Corporate members and ISF students on 15th Sep 2017 which started with a prayer song. **Shri S Sundaramoorthy**, CEO, Sunshiv Electronics Solution, Coimbatore, graced the event as the Chief Guest. **Dr S Arumugam**, Centre Hony Secy, CEO, NEI presided. Around 45 members attended. **Dr D Malathi**, AP/ECE/KEC proposed vote of thanks. A similar program was organized during 6th-9th Oct 2017 with resource persons, **Shri S Sundaramoorthy** and **Shri S Sathesh**, Production and Training Head of Sunshiv Electronic Solutions, Coimbatore, with the participation of 53 ISF students.

• **64th Foundation Day** was organized on 8th Nov 2017 at Kongu Engineering College (KEC), Perundurai in the gracious presence of **Dr AM Natarajan**, Chief Exec, Bannari Amman Institute of Technology, Sathyamangalam. The special lecture on "**Data Science"** was delivered by **Dr M Madheswaran**, Principal, Mahendra Engineering College, Mallasamudram. **Dr M Madheswaran** (F-158597**),** one of the most senior members of the centre was felicitated for his contribution for the development of technical education. ISF -Nandha Engineering College was lauded for its outstanding performance for conduct of various technical and non-technical activities during the year 2016-17. The programme ended with vote of thanks by Dr S Arumugam, Centre Hony Secretary.

Foundation Day celebrations with Kongu Engineering College (KEC) at Perundurai

GOA

• The **64th IETE Foundation Day** celebration was held on 3rd Nov 2017 at IETE Goa Sub Centre, ETC Dept, Goa College of Engg. The dignitaries included : **Shri Omkar Prabhu**, Chief Guest and Keynote speaker; **Dr HG Virani**, Centre Chairman; **Ms Sonia Kuwelkar**, Centre Hony Secretary. The IETE's President Message on the occasion was read by Ms Sonia Kuwelkar. The Chief Guest delivered his keynote address on Data Analytics using SEARCH. He elaborated on SQL and the advantages of SEARCH over existing Databases. The applications of SEARCH in Fraud detection, Global business, Document Analysis, Log Analytics, E-commerce, Corporate Search, and Government Sector was emphasized. The vote of thanks was proposed by Ms Palhavi Kerkar.

• The 1st (2017-18) Governing Council Meeting this year was held during 9-10th Dec 2017 at Goa.

GULBARGA

Under the leadership of **Dr G Laxminarayana**, Chairman and some senior members of IETE Hyderabad Centre, a meeting was conducted at IETE Gulbarga Sub-Centre, BKIT, Bhalki on 11th Nov 2017. The welcome remarks were given by Dr A M Bhavikatti, Centre Chairman. **Dr V Gunasekhar Reddy**, Vice President IETE, present on the occasion also addressed the gathering. Others in attendance were : **Dr M Basavaraj**, Chairman, BoA & IETE GC Member, **Shri Raj Kumar Patil & Shri Dheeraj Deshpande,** EC Members of Gulbarga Sub-Centre. Vote of thanks was proposed by Dr Sanjay Kumar Gowre.

Meeting in progress

HYDERABAD

• Indian Flag was hoisted on the occasion Independence Day, i.e. on 15th Aug 2017, in the presence of Centre Chairman, Hony Secretary, EC members and staff members of IETE.

• Ten old computers were donated to Shri Sreedhar Raju of Saraswathi Shishu Mandhir, Godavari Khani, on 21st Aug 2017.

• On 22nd Aug 2017- **Dr CVS Rao 4th Memorial Lecture** on **"High Power Radar Studies of Atmosphere and Ionosphere"** was delivered by **Dr Pendyala Balarama Rao**, Vice-Chairman–Advisory Committee for Space Sciences (ADCOS) & Member–

Scientific Advisory Committees of Space Physics Laboratory, VSSC and National Atmospheric Research Laboratory of Dept of Space & Former Director – National Atmospheric Research Laboratory (NARL), Department of Space, Govt. of India.

Felicitations

• The Centre conducted training on **Asset Mapping activity of RR district of Telangana State** under EPRIS project from National Remote Sensing Centre, Hyderabad/ISRO. This pilot project is being carried out with help ISF students from different colleges of Hyderabad. CVR Engineering College, Hyderabad & Avanthi PG College, Hyderabad, including Lords Institute of Engineering and Technology; MVSR College of Engineering CVR College of Engineering and CMR Technical Campus.

• **Prof (Dr) Linga Reddy D,** UGC-Emeritus Professor, O U & Centre Hony Secretary, chaired the one-day Symposium on "**Opportunities, Challenges and Trends in Navigational Technologies**" on 5th Sep 2017 at NERTU Auditorium, O U, Hyderabad; inaugurated a Digi Class Room and participated in a Fresher's Day Function at Govt Degree College, Cheriyal, Siddipet (Dist), on 12th Sep 2017.

• A lecture was delivered on **"Satellite Communications"** by **Shri Terala Lingam,** the Centre Co-ordinator, on 11th Sep 2017 at Gyanavani FM radio channel (105.6 MHz), AIR Hyderabad. The program was organized by Indira Gandhi National Open University (IGNOU), Regional Centre Hyderabad.

• Centre Chairman, Vice Chairman and Coordinator attended a Bhuvan Workshop organized by National Remote Sensing Centre (NRSC) and Association of Geospatial Industries (AGI) during 12th-13th Sep 2017.

• The Centre was conferred **"Best Centre Award"** (1st Prize) on 17th Sep 2017 at Rajgiri School of Engineering and Technology, Kakkanad, Kochi, Kerala in the gracious presence of **Dr G Laxminarayana**, Centre Chairman, **Shri A Sarveswara Rao**, Centre Vice Chairman, Prof A Ravi Kumar, Centre Hony Treasurer, Dr KVNSVPL Narasimham, Shri OP Venkateswar and **Dr V Gunasekhar Reddy**, Governing Council Member, Vice President IETE. **Prof (Dr) KTV Reddy**, President IETE did the honours.

• **Prof T Manjulatha**, ISF Co-ordinator from Sphoorthy Engineering College, delivered a lecture on **"Basics of Radar Technology"** on 20th Sep 2017 at Gyanavani FM radio channel (105.6 MHz), AIR Hyderabad. This program was organized by IGNOU.

• Centre celebrated **44th IETE Hyderabad Centre Foundation Day** on 6th Oct 2017. On this occasion, a lecture was arranged on **"Status of Higher Technical Education in India: Challenges and Opportunities"** by **Dr VM Pandaripande**, Former VC, **Dr Babasaheb Ambedkar**, Marathwada University, Aurangabad and Hony Dir, CEME, Adjust Prof ECE, OU.

• One-day workshop on **"Applications of Matlab"** was held on 8th Oct 2017 with **Shri Vikram Kumar**, Science Promoter, IIT Mumbai as resource person. About 124 members (students & faculty) from different colleges Spoorthy, Stanley, Anurag, Guru Nanak, Avanthi, MVSR and ATRI attended. Certificates were distributed to all the participants by **Shri G Laxminarayana**, Chairman, IETE Hyderabad Centre.

• A special meeting was organized on 21st Oct 2017 in KITS(S), Karimnagar for establishment of IETE Sub Centre. **Dr G Laxminarayana**, Centre Chairman, **Prof (Dr) Linga Reddy D**, Centre Hony Secretary and **Shri A Sarveswara Rao**, Centre Vice Chairman, **Dr K Shankar**, Principal KITS(S), **Dr V Sharmila,** HoD, ECE, KITS(S), **Dr Ch Sreenivas Rao**, Principal and **Shri Indrajeeth Singh**, HoD ECE VITS were also present during the occasion.

• **Prof S Narayana 7th Endowment Lecture** was held on 27th Oct 2017 on **"Miniaturized Broadband Transmit & Receive Modules for Electronic Warfare System"** by **Ms V Revathi**, Scientist 'G', DERL, DRDO, Hyderabad (Awardee of IETE Ranjana Pal Memorial Award – 2017).

Prof S Narayana being honoured after his Endowment Lecture

• **64th IETE Foundation Day** was organized on 20th Nov 2017 with **Dr D V Ramana**, Data Science Consultant, Wissen Infotech, as the Chief Guest. **Dr G Laxminarayana**, Centre Chairman presided over the function. **Dr KVNSVPL Narasimham**, Chairman, Technical programs Sub-Committee welcomed the gathering. **Prof (Dr) Linga Reddy D**, Hony Secretary gave the brief of the Centre activities and importance of the day. Chief Guest, **Dr DV Ramana** spoke on the theme. Senior members were felicitated. Celebration concluded with vote of thanks given by Prof A Ravi Kumar, Hony Treasurer, IETE, Hyderabad Centre.

JAIPUR

64th IETE Foundation Day started with Student Technical Presentation Contest on the theme "**Changing the World through Data Sciences**". Total nine teams consisting of 25 students from various colleges such as Poornima College of Engineering, Manipal University Jaipur, MNIT Jaipur and BIT-Mesra participated. The three winner teams were given mementos, pendrives and certificates whereas other participants were given certificates by the Chief Guest in the main programme. It was followed by expert lecture by **Dr Emmanuel S. Pilli** from MNIT Jaipur, who shared his deep insight on technical aspects of Data Science and how it would impact industry growth and people's day-to-day life. The Chief Guest of the day was **Dr RD Arya**, ITS, Dy DG, DoT, Govt of Rajasthan and Guest of Honour **Prof Sandeep Sancheti**, President, Manipal University Jaipur, who also addressed the audience. Dr Ghanshyam Singh, Centre Chairman highlighted activities in Digital India and Skill India initiatives. **Dr Manish Tiwari**, Hony Secretary, read out the message of President-IETE on the occasion. Prof Sandeep Sancheti underlined the importance of data science in business and profession and the challenges posed by security aspects of the technology. Senior Member, **Shri Ashok Kumar (F-052984)** was felicitated by Prof V Sinha, Ex Director, IIT Kanpur, and Chair Professor, E&ICT Academy, MNIT Jaipur. The Chief Guest congratulating IETE fraternity said that the future belongs to information technology and data science. Young engineers have vital role to play in its development and deployment. He said that institutions like IETE are playing a vital role in making technology popular by bringing industry, academia and society at one platform.

Prof Sandeep Sancheti, President, Manipal University Jaipur, addressing the audience

JALANDHAR

The Sub-Center Jalandhar in collaboration with Telcocrats Technologies Pvt Ltd, Chandigarh, organized an expert talk and a workshop on

"Role of Optical Communication in the Modern World" on 2nd Nov 2017 on the eve of **IETE Foundation Day**. **Er Gagan Deep,** AP/ECE, DAV University, Jalandhar and Hony Secretary welcomed the guests. **Dr AK Paul**, Vice Chancellor, DAV University, Jalandhar briefed the participants about the role of Data Science in the modern world. **Shri Taran Manku**, L & D Executive, Telcocrats Technologies Pvt Ltd through his talk exhorted the modern day opportunities and challenges in telecommunication sector. It was followed by hands-on workshop on fiber installation and splicing. This gave students an opportunity to work on state-of-the-art modern machinery of fiber installation and splicing. **Dr Jasbir Rishi**, Dean (Academics), DAV University, highlighted the importance of such interactive sessions/ workshop for telecom students.

Participants during the Workshop

JAMMU

• A one-day workshop on **"Smart System Design"** was organized in collaboration with Dept of CS, IT & Electronics on 7th Oct 2017. The workshop provided the participants an opportunity of developing self tailored WiFi based smart systems on cutting edge technologies using fourth generation programming of RISC processors with economical components. **Prof Mubarak Singh**, Dir, Ramnagar Campus, University of Jammu, was the Chief Guest. **Prof PVKS Baba**, Head, Dept of Physics, stressed the need for hands on experience in the studies and why students should attend such workshops regularly. **Prof Rakesh Vaid**, Head, Dept of Electronics, University of Jammu and Sub-Centre Chairman assured all support for such initiatives. **Prof (Dr) Pawanesh Abrol**, Dept of CS, IT and coordinator workshop, discussed various techniques of upcoming embedded scripting programming language. **Prof Parveen Lehana**, Dept of Electronics, University of Jammu elaborated the different hardware designs necessary for developing future smart systems. Dr Susheel Sharma, Er Vijay Sharma, Er Sunidhi Puri, Er Palak Mahajan, Ms Pooja Thapar, Ms Priti Rajput, Er Jyoti Laotra, Ms Zeenat, Shri Pawan, Ms Akansha and Shri Manohar also attended. Dr Radhika Khanna, Sub-Centre Hony Treasurer conducted the proceedings.

• **64th IETE Foundation Day** of the Sub-Centre was celebrated in collaboration with Dept of Electronics, University of Jammu, in gracious presence of **Dr Baij Nath Kaushik**, Head, School of Computer Science and Engg, SMVDU, Katra, the Chief Guest; **Dr Rakesh Vaid**, Centre Chairman and Head Dept of Electronics; **Maj Gen (Retd) S K Sharma**, Director Academics, MIET and **Shri Joy Ganjoo**, Sub-Centre immdt Past Chairmen as special guests of honour. **Dr Kaushik**, delivered illuminating lecture on **"Machine learning and its Applications"**. **Dr Parveen Lehana**, Sub-Centre Hony Secretary read out the message of President IETE. Others present were: Prof Pawnesh Abrol, Dr Susheel Sharma, Dr Rockey Gupta, Er Vijay Sharma, Shri Deepak Anand, Shri Rakesh Kumar and Shri Jang Bahadur.

Dignitaries on the dais during Foundation Day celebration at IETE Jammu Sub-Centre

KANPUR

• The Centre celebrated the Women Training Program on **Digital India Initiatives** on 26th Aug 2017 at the Dr Ambedkar Institute of Technology for Handicapped (AITH), Kanpur, which was graced by **Er Sandeep K Gupta,** GM (P), BSNL Kanpur, as the Chief Guest. **Dr J Ramkumar**, Chairman, IEEE UP Section & Prof Dept of Mechanical Engg, IIT Kanpur, and **Dr Pragya Agarwal**, Prof & Head, Dept of Physics, DBS College, Kanpur, theme speakers, delivered their talks. They explained the changes that have taken place in India due to digitalization and how women can change their lives by playing active role in it. 110 members attended. Programme concluded with vote of thanks by Er CP Varma, Hony Secy of the Centre.

• The Centre observed **50th Engineers' Day** jointly with IE (I) Kanpur Local Centre, IEEE UP Section & INAE, Kanpur Chapter on 15th Sep 2017 at IIT, Kanpur. **Prof Vinay Kumar Pathak**, VC, AKTU, Lucknow & HBTU, Kanpur was the Chief Guest & **Er Vinod Kumar Tripathi,** Chief Engr, Ram Ganga Project, Irrigation Dept, Kanpur, was the Guest of Honour. **Prof Shashank Kumar Mehta,** Dept of CSE, IIT, Kanpur & **Prof Keshav Kant,** Past Chairman IE (I) Kanpur Centre, two theme speakers spoke on **"Role of Engineers in a Developing India"**. **Prof DP Mishra**, Chairman, IE (I), Kanpur Local Centre welcomed the participants**. Prof Yogesh M Joshi,** Vice Chairman, INAE, presented the Life sketch of Bharat Ratna Sir M. Visvesvaraya. About 150 members attended. The programme ended with vote of thanks.

Session in progress

• **Prof (Dr) Raghuraj Singh**, Ex-Director of KNIT, Sultanpur (UP) was the Chief Guest for **64th IETE Foundation Day** on 2nd Nov 2017, whereas **Dr Raghvendra Garg**, Chairman, Krishna Institute of Technology, Kanpur & **Dr Vibhash Yadav**, Director, Krishna Institute of Technology, Kanpur added dignity to the event as Guests of Honour. The programme started with lighting of lamp and garlanding of portrait of Maa Saraswati followed by welcome address from **Prof (Dr) S N Singh**, Centre Chairman. Highlighting the theme, he talked about the importance of Big data and Data Science and its importance in development programmes. Er AK Jain, Centre Hony Treasurer, read the President's message. Theme speakers **Prof (Dr) Raghuraj Singh** and **Er Prashant Kumar** spoke on "Changing the World through Data Science". Student's activities were conducted for ISF, KIOT Kanpur and winners were awarded.

KOCHI

Dr MV Judy, Assoc Professor, Dept of Computer Science and Applications, CUSAT delivered technical talk on the theme of the year "Changing the World through Data Science" on **64th IETE Foundation Day** on 4th Nov 2017. **Dr TK Man**i, Chairman presided and **Prof (Dr) K Vasudevan**, Hony Treasurer welcomed the guests. The Chairman also read the message from IETE President for the day. Senior fellow **Dr KG Nair (F-055357)** was felicitated. ISF students and faculty members from Viswajyothi College of Engg: Vazhakkulam; KMEA Engg College, Edathala; SCMS School of Engg: & Tech, Karukutty; Saintgits College of Engg; Vidya Academy of Science & Techology, Thrissur and College of Engineering, Kallooppara, participated.

Dr T K Mani, Chairman, Kochi Centre is honoring Prof Dr K G Nair, while Dr K Vasudevan, Hony Treasurer and Dr M V Rajesh, Hony Secretary, look on

KOLKATA

• To address the issues of Cyber security, the Centre organized a Cyber Security Awareness programme jointly with Cyber Security Education Foundation (CSEF) on 9th Sep 2017, which started with the welcome address by **Dr Samir Mukherjee**, Founder & Council Member of CSEF. The keynote address on the occasion was delivered by **Shri Joydeep Bhattacharjee** COO, TCG Digital, who succinctly explained massive impact a seemingly innocuous cyber security breach can have to even entire countries at large. **Shri Bivash Chatterjee** a Public Prosecutor, (Cyber Law) for the Government of West Bengal explained legal ramifications of issues of cyber security and how best to combat them. This was followed by a panel discussion titled "Simple Steps to Online Safety" moderated by **Shri Sandeep Sengupta** of ISOAH.

Cyber Security Awareness Programme held jointly with CSEF

• The Centre also celebrated **64th IETE Foundation Day** on 2nd Nov 2017 in association with Aunwesha Academy, Digital Marketing Associate of Kolkata. The Centre felicitated senior members: **Prof BN Chatterji (F-028525)** and **Dr CK Chatterjee (F-068357)** on the day. Two learned speakers addressed the audience. There was sizable group participation from students of Techno India Group and professionals from Industry.

MHOW

The Centre celebrated **64th IETE Foundation Day** on 31st Oct 2017 and organized a workshop for JE (NE) courses on "**Changing the World through Data Science**", inaugurated by **Col John Prince**, Centre Hony Secy. The workshop was attended by students and highly appreciated by the ISF members and the audience. Summing up of the workshop was done by **Col Haridas**. Vote of thanks was proposed by Dr CN Khairnar, AP/Centre Hony Treasurer.

A section of audience during IETE Foundation Day at Mhow

NAGPUR

Shri Anup Kelkar, Director, Python Academy, Nagpur was the Chief Guest for **IETE Foundation Day** organised on 2ⁿᵈ Nov 2017. **Er AR Sawatkar**, Centre Chairman presided. Prof Ajay Tinguria, Hony Treasurer, readout the President's message for the day. Essay Competition for the students of 9ᵗʰ to 11ᵗʰ class was held on "**Ill Effects of Excessive mobile phone uses**". First Prize was won by **Ms Nandini Bondre (**Xᵗʰ Std) Dinanath High School, Dhantoli, Nagpur; 2ⁿᵈ Prize was won by Tisha Gour, (Xᵗʰ Std), and 3ʳᵈ prize was bagged by Shalu Agrawal (Xᵗʰ Std) from Adarsha Vidya Mandir School, Nagpur, Senior members **Er SP Gorowara**, **(F-020985)** and **Lt Col RM Onkar (F-036069)** were felicitated on the occasion.

Winner of Essay Competition being felicitated by the dignitary

NASHIK

The **64ᵗʰ IETE Foundation Day** was celebrated on 2ⁿᵈ Nov 2017 at the Dept of E&TC Engg, Karmaveer Kakasaheb Wagh Institute of Engineering Education & Research (KKWIEER), Nashik. It was marked by the presence of number of dignitaries: **Dr DM Chandwadkar**, Chairman, IETE Nashik Sub-Centre & HoD/E&TCE, KKWIEER, **Dr SS Morade**, former Hony Secy IETE Nashik Sub-Centre, **Dr MP Satone, Dr SP Ugale, Prof SS Bhabad** and **Prof RV Chothe** and Activity Co-ordinator, E&TC Dept. On this occasion, the initiatives taken by IETE in the domain of "Data Science" were highlighted. Members gave suggestions as to what all can be done to accelerate current actions in the domain and provide significant support in accomplishing this mission.

Sub-Centre celebrated IETE Foundation Day with KKWIEER, Nashik

NOIDA

• A lecture on **Right to Information Act 2005** by **Prof (Brig) Ramesh Chandra** was organised by the Centre on 27ᵗʰ Aug 2017. **Prof Chandra** speaking of this powerful transparency tool, informed the audience that for a healthy functioning of modern democracy, an uninformed citizen cannot possibly be expected to be good citizen. Hence the government enacted the Right to Information Act, 2005. It is a tool to bring transparency and usher an era of accountability. It empowers people to get the information, records etc of the government authorities as a matter of right. There are two main stakeholders in provision of information, the information seeker *i.e.* citizens and information provider *i.e.* public authorities including government funded NGOs. The lecture covered various aspects of this Act to assist a citizen in seeking information, such as how to apply, where to apply, fee to be paid, and in case information is delayed or denied or is believed to be incorrect, then where and how to file appeal etc. Some interesting facts and success stories of the Act, were also covered.

• **Prof (Dr) KTV Reddy**, President IETE, visited Noida Centre on 3ʳᵈ Nov 2017 and met Executive Committee members. The President was shown the facilities & infrastructure of the Centre and the Chairman briefly explained about the activities of the Centre.

PALAKKAD

• The Centre started workshops and hands-on training programs on Arduino and Connected subjects in engineering colleges. The first four day program for two batches was conducted at **Nehru College of Engineering & Research Centre, Pampady,** on 7ᵗʰ-10ᵗʰ Aug 2017. The program was inaugurated by **Shri P Suresh**, Centre Manager and EC Member. 82 students attended the program. The second two day program of Hands-on Training was conducted at **NSS College of Engineering, Palakkad,** on 25ᵗʰ-26ᵗʰ Aug 2017 by **Shri P Suresh**. Third one was conducted at **Al–Ameen Engineering College Kulappulli, Shornur,** on 28ᵗʰ-29ᵗʰ Aug 2017. The programs were appreciated by the students, college management and faculty members.

• The Centre conducted a two-day workshop jointly with Dept of EEE, NSS Engineering College on 25ᵗʰ-26ᵗʰ Aug 2017. **Dr T Sudha**, Principal, NSS College of Engineering presided over the function. Prof (Dr) V Devi delivered the welcome remarks. **Shri C K Haridas**, IETE South Zone Coordinator and **Prof C Pradip** delivered felicitation speeches. The resource person **Asst Prof Kavin Kumar,** Kongu Engineering Colleg, Erode, conducted the workshop on **Processing Signals, Images and Power Electronic systems through MATLAB** on 25ᵗʰ Aug. Pace Electronics, Cochin took the hands-on training on DSP on 26ᵗʰ Aug. Assoc Prof, S Priya, Asst Prof (Dr) Ajay Babu and Asst Prof N Leena, coordinated the workshop.

• A three-day **Entrepreneurship Awareness Camp** sponsored by Dept of Science and Technology-NIMAT, Govt of India, was

inaugurated by **Shri C K Haridas**, South Zone Mentor on 21st Sep 2017 at Kalaignar Karunanidhi Institute of Technology, Coimbatore (KIT), Palakkad. **Dr N Mohandas Gandhi**, Principal, KIT presided over the function and **Dr S Ravichandran**, EDC Coordiantor welcomed the participants. **Dr P Anbalgan**, Dir of the Institute, in his address motivated the students for starting entrepreneurship on getting their professional degrees. Total 11 resource persons from different industries conducted the sessions in these 3 days. Eminent persons from Coir-board, Gargi Huettenes Albertus Pvt Ltd, Mumbai and Village Industrials Commission, Green Earth Aggregates, Micro Tech Polymer Industries, Addl Director (Food), MSME Govt of India APM United Group and one resource person from Dr NGP Arts and Science College, guided various sessions. Also the participants were taken for industrial visit at RIVERA Pumps, Coimbatore, by the college.

Dignitaries on the dais during Entrepreneurship Awareness Camp

• The Centre also celebrated **64th IETE Foundation Day** on 2nd Nov 2017 with **Dr K Geetha**, Chairperson presiding over the function. She explained the activities of the Centre. **Shri CK Haridas**, IETE Zonal Mentor, South welcomed the audience and informed about AICTE's issued public notice that endorses recognition to IETE DIPIETE and AMIETE students who were enrolled with the institution upto 31st May 2013. He also talked of two Fellow members who received prestigious annual P K Das Memorial awards of 2017, Coimbatore. **Shri P Babu**, former Hony Secretary and HoD, EEE Dept. received the Lifetime achievement award and **Dr P Dileep** received the best faculty award. Both of them are from Government Polytechnic College, Palakkad. Prof C Pradip, Centre Immdt Past Chairman read out the IETE President's message. **Shri P Babu (F-224844)** and **Dr P Dileep (F-227817)** were felicitated in the function. Shri B Suresh Kumar, Hony Treasurer, proposed vote of thanks.

RAJKOT

• A technical event on **"Technoplanet – 2017"** was organized by The School of Engineering R K University, Rajkot, in association with the Centre, ORACLE, CISCO, IEI and ISTE at R K University premises on 6th Oct 2017. Technoplanet 2017 is an initiative by the students to widen the technical horizons and open new opportunities and challenges for the technically inclined students. Theme for this year's Technoplanet was **'Digital India'**. The event was inaugurated by Deputy Mayor, **Dr Darshita Shah**, Principal AVPTI, in presence of other dignitaries- **Dr AS Pandya**, **Shri Jatin Kataria**, founder/CEO

Global Co Working Space; **Shri Bhavin Dabhi,** owner of Universal desinovation Lab; Executive Vice President RK University **Shri Denish Patel;** Vice President- **Shri Mohit Patel**; Registrar RK University **Shri Shivlal Ramani** and Directors of various schools of RK University. The Judges included Grinij Haria, MD, Impitus Technomatic; Prof RD Raghani, Head EC, AVPTI & Centre Ex Treasurer; Capt MG Purohit , HoD, Civil Dept Govt Polytechnic & centre former co-opted member; Shri Parag Jani, Digitron India and Shri Rakesh Patel, Ganga Forge Pvt Ltd. Prize distribution and valedictory ceremony was conducted in presence of Shri Johes, CEO Levaral Consultancy LLP, Shri Shivlal Ramani Registrar RKU, Dr Nilesh Kalani, Director, RKU & Centre Co Op Member and Shri Dhaval Pipaliya, Convener Technoplanet –2017.

Participants during National Level Technical Event – "Technoplanet – 2017"

• **64th IETE Foundation Day** was celebrated on 5th Nov 2017. Key note speeches were delivered by **Shri Maulik Dhamecha,** Asstt Prof/ CE, V V P Engineering College, Rajkot and **Shri Ashwin Raiyani** Asstt Prof & TPO CE/IT, School of Engineering, R K University. The presentation of theme was made by **Shri Milan Bavlecha**, AMIETE-CS. **Dr Rahul D Mehta**, Hony Secretary gave introductory remarks. **Er HS Goswami**, Dy Dir Doordarsan Kendra Rajkot Centre read out the President's Message. Vote of thanks was proposed by Er SM Suchday, EC member of the Centre.

SHIMOGA

• The Centre celebrated **IETE Foundation Day** on 4th Nov 2017 at JNN College of Engineering. Office bearers- **Shri A S Vishwanatha**, President; **Shri T R Ashwathanrayana Shetty,** Vice President; **Shri SN Nagaraja**, Secretary; **Shri CR Nagaraj,** Treasurer, were the dignitaries of the day. **Prof HK Harish**, Centre Chairman presided. Dr P Manjunatha, Centre Hony Secretary, Prof SR Ashwini, Centre Hony Treasurer and Dr S V Sathyanarayana, EC member were present. About 150 members attended.

• Organized a 2-day workshop on **"IoT-** a **Hands-on Approach"** on 4th-5th Nov 2017. **Dr H R Mahadevaswamy**, Principal, JNN college of Engineering, Shivamogga, presided. **Shri SN Nagaraja**, Secretary, National Education Society, Shimoga, was the Chief Guest. **Prof H K Harish**, Centre Chairman, Dr P Manjunatha, Hony Secretary, Dr Ushadevi MB, Member were present. The topics for workshop were - Basic programming using Arduino and NodeMCU; Sensors and its applications; Interfacing of sensors, Bluetooth and GSM with Arduino,

Introduction to Raspberry Pi and IoT and Lab session on programming Raspberry Pi using PYTHON. About 60 students studying in ECE/TCE/EEE/CSE/and ISE departments of Engg and polytechnic colleges of Karnataka, actively participated in the workshop and largely benefitted.

During the workshop on "IoT- a Hands-on Approach"

SIVAKASI

• The Centre and ISF MEPCO Schlenk Engineering College, Sivakasi, jointly organized a blood donation camp on 16th Sep 2017 in association with Virudhunagar Government Hospital. 100 students including 22 girls donated their blood in the Camp. A team of nurses lead by a Doctor from Virudhunagar Government Hospital supervised the camp. Lions Club of Sivakasi provided fruits to the blood donors. **Dr S Arivazhagan**, Principal, presided over the blood donation camp. NSS Program Officer **Shri C Uthranarayan** and **Shri M Sankar**, MEPCO Schlenk Engineering College, organized the camp.

Blood Donation Camp held at IETE Sivakasi Centre

• The Centre organized the **Second Techno Blaze** (2017-2018) a lecture-cum-group discussion on 27th Sep 2017, at Advanced Communication Lab, Dept of ECE, Mepco Schlenk Engineering College, Sivakasi. **Dr Ahila Priyadharshini**, Centre Hony Secretary, welcomed the gathering and introduced the speaker of the day, **Dr S Vanitha Sivagami**, AP/CSE, Mepco Schlenk Engineering College, Sivakasi, who delivered a lecture on **'Code Book based Image Retrieval'** and initiated group discussion on it. Around 25 IETE Corporate members of Sivakasi Centre attended the Techno Blaze and involved enthusiastically in group discussion also. The presentation started with the basic Code book or a dictionary and how to obtain a collection of words to describe the contents of the domain under

consideration. She discussed that this perception by humans is due to the long association of the human to these keywords and their frequency and explained the concepts with practical examples. The speaker elaborated how bag of words model used in document processing is extended to the field of computer vision as bag of visual words.

• **Third Techno Blaze**, a Lecture-cum-Group discussion was held on 9th Oct 2017. **Prof G Prema**, Centre Chairperson welcomed **Dr R Pon Vengatesh**, AP/EEE, Mepco Schlenk Engg College who delivered a lecture on '**An optimization approach for Photo Voltaic system'.** Dr W Sylvia Lilly Jebarani, Hony Treasurer, IETE Sivakasi Centre proposed the vote of thanks.

• **64th IETE Foundation Day** celebrated on 6th Nov 2017 was presided over by **Dr S Arivazhagan**, Principal, Mepco Schlenk Engg College and Centre founder Chairman. **Dr DS Guru**, Prof and Chairman, Dept of Studies in Computer Science, University of Mysore, the Chief Guest delivered a special lecture on **"Changing the World through Data Science"**. **Dr R Ahila Priyadharshini**, Centre Hony Secretary, welcomed the gathering. **Prof G Prema**, Centre Chairperson read out the message of IETE President. The highest ISF membership award was bagged by **ISF of Mepco Schlenk Engineering College, Sivakasi,** with ISF membership of 600 for the year 2016-17. The second highest ISF membership award was bagged by **ISF of Kamaraj College of Engineering and Technology, Virudhunagar,** with the ISF membership of 465.

TIRUPATI

The Centre observed **IETE Foundation Day** on 4th Nov 2017 where **Dr K Raghava Rau,** CEO and Founder, Big Data Science Research, Bangalore was the Chief Guest and **Prof G Padmanabhan**, Principal, Shri Venkateswara University College of Engineering, Tirupati was the Guest of Honour. **Dr TVC Sarma**, Centre Chairman, presided over the function. **Dr Raghava Rau** gave an elaborate exposition starting with the characteristics of a data scientist. He outlined the skills and knowledge requirements for data scientists in the fields of statistics and computer science along with business skills and curiosity. A Data Scientist is responsible for designing and implementing processes and layouts for complex, large-scale data sets used for modeling, data mining, and research purposes. He needs to have expertise in diverse technologies, good understanding about the framework of a big data platform, proficiency in several programming languages, a good understanding about database technologies (especially NoSQL database) and a very good background in mathematics/statistics, machine learning and data mining fields. In addition he should have business skills and a spirit of innovation. The term Big Data is used to describe large collections of datasets that can be unstructured and grow rapidly to very large volumes. Such data is difficult to be managed by traditional databases. Big data is generated by various agents and processes.

The Speaker making a point

VADODARA

• The Centre organized a technical lecture by **Dr Sameer Rohadia**, Asst Prof, CK Shah-Vijapurwala Institute of Management and MS student at University of Bolgna, Italy, on "**Data Science: Concepts and Techniques**" on 29th Jul 2017. Prominent educationists and professionals in the field of electronics, communication, computers and IT attended the program. Members of IETE, CSI, academicians and students were specially invited, so as to foster partnership amongst professional societies. **Shri Tushar Kher**, Chairman, Vadodara Centre, welcomed the Guests and introduced the speaker. **Dr Rohadia** explained difference between the roles of Data Analyst, Data Engineer and Data Scientist. He listed different Data Science techniques and explained how Data Mining can be applied.

• **Brig (Dr) VD Abraham**, **SM (Retd)**, GC Member, IETE and Chairman, IETE Professional Activities and Revenue Generation Committee, former VC, Oriental University, Indore, was the Chief Guest for **64th IETE Foundation Day** celebration on 11th Nov 2017. **Dr VK Shah**, Centre Vice Chairman explained, how the topic "**5G Technologies**" was very important and is well connected with the theme. Shri Tushar Kher, Chairman, IETE, Vadodara Centre, read message from President, IETE. **Brig (Dr) V D Abraham** spoke on "**5G Technologies**". He shared his experience during Antarctica Expedition. He described New Radio Access Techniques, what enabled the Intelligence in Wireless Networks, Cooperation in Mobile Adhoc Networks, Radio Resource Management and Virtualization in Wireless Networking and Security Issues in 5G. **Prof RC Desai**, founder Chairman of IETE Vadodara Centre, felicitated **Brig (Dr) Abraham (F-177298)** on the occasion. **Dr Mamta C Padole**, proposed the vote of thanks.

Brig (Dr) VD Abraham, SM (Retd), GC Member, the Chief Guest being felicitated on the occasion

VIJAYAWADA

Er Pammi Kalee Prasad, MIETE, Senior Engineering Assistant, Doordarshan Kendra, Vijayawada, Chief Guest for the **IETE Foundation Day** spoke on "**Changing the World through Data Science**" conducted on 2nd Nov 2017. **Dr K Ramanjaneyulu**, Hony Secretary read out the IETE President's message. **Er Pammi Kalee Prasad (M-174365)** was felicitated on this occasion. About 50 members attended including EC, Past Chairmen & Students of the Centre.

WARANGAL

The Centre conducted a two-day workshop on "**PCB Design**", inaugurated by General Secy, **Dr G Srinivas Reddy**, Vaageswari Educational Society during 18th-19th Sep 2017 in association with IETE Hyderabad at ECE Dept, Vaageswari College of Engineering. The resource person from Prayog Labs Hyderabad, demonstrated KiCAD software, designing of electronic circuits using KiCAD software. Convener, HoD/ECE, **D Sampath Kumar** stated that students had hands-on experience on KiCAD software. On 19th Sep 2017, the circuits were designed and simulated. Such workshops enhance innovative thinking capability. While addressing the media, Principal, **Dr Ch Srinivas** stated that their management was always ready to provide quality and innovative methods to students, in order to enhance their technical skills.

National level workshop on PCB Design held at IETE Warangal Centre

YAVATMAL

• A visit was arranged to **Vasantrao Naik Dumb Deaf and Handicap Residential School, Yavatmal** on 15th Sep 2017 by the Sub-Centre. Dr SM Gulhane, Centre Chairman, Prof PD Pawar, ISF Faculty Advisor, Prof PG Kaushik, Prof AB Rathod, Prof AA Pachghare, EC members, Corporate members of IETE Yavatmal Centre and ISF members were present during the visit.

• The Centre arranged the "**Tree Plantation Programme**" on 15th Sep 2017. Plantation of trees was undertaken by corporate members of IETE in JDIET, Yavatmal campus. Dr AW Kolhatkar, Principal, JDIET Yavatmal, Dr SM Gulhane, Centre Chairman, Prof PD Pawar, ISF Faculty Advisor, Prof PG Kaushik, EC members, corporate members and ISF students participated.

• The Sub-Centre in association with Jawaharlal Darda Institute of Engineering & Technology, Yavatmal organized a 5 days Awareness Program on **'Socio-Economic Development of Women'** during 20th-24th Nov 2017. **Ms Madhavi Raje**, President, Rotary Club of Yavatmal inaugurated the programme. Renowned Gynecologists **Dr Girish Mane** and **Dr Vrushali Mane** along with **Dr Sanjay Gulhane**, Centre Chairman, Dr Pankaj Pandit, Hony Secretary, were present. **Dr Girish Mane** spoke on **'Improving Women's Health: Challenges, Access and Prevention'. Dr Vrushali Mane** spoke on **'Women's Hygiene'. Shri Sudhakar Bobade**, Counselor, Financial Literacy Center (RBI) Yavatmal addressed the audience on **'Financial Literacy Awareness'. Shri PH Raut**, Asstt Drug Commissioner, detailed **the medicine manufacturing process, food/drugs acts, rules and punishments. Dr Narayan Mehare**, Regional Director of YCMOU spoke on **"Awareness of Protection Under Consumer Act". Dr Suprabha Yadgirwar,** Amolkachand Law College, delivered talk on **"Women Empowerment through Legal Acts and Protection".**

The Sub-Centre had its Foundation Day celebration on 23rd November and it was celebrated in the presence of **Dr Avinash Kolhatkar**, Principal, JDIET, Yavatmal. The glimpses of the various programs organized by the Sub-Centre in past four years were shown to the attendees through video clips, followed by a talk from **Mrs Vijaya Pandhare,** Asstt Police Inspector & Head of Damini Pathak, (Women's

cell, SP Office, Yavatmal). She explained how to protect oneself from road-romeos, safety measures and self defense. In the second session, **Mrs Rita Uike,** District Special Branch Head, SP Office, Yavatmal shared various instances of women violence and preventive measures taken by women in such cases. The awareness program concluded by a talk on **'General Health Awareness'** delivered by **Dr Vijaya Kawalkar,** Head of Pathology Department, Sanjivani Hospital and Yavatmal. She guided on the issue of **'good touch-bad touch'**, tricks for self-defense, how to tackle the embarrassing situations. About 82 working women participated in the program.

Mrs Rita Uike, District Special Branch Head, SP Office, Yavatmal sharing various violent experiences faced by women

News from Professional Activity Centres (PACs)

• A new **IETE Professional Activity Centre (PAC)** was inaugurated at Dept of ECE, **Bapuji Institute of Engineering & Technology, Davangere, Shimoga** on 13th Oct 2017. Dignitaries present during inauguration were: **Prof HK Harish,** Chairman, IETE Shimoga Centre, **Dr SR Mahadeva Prasanna,** Dean for Academic and faculty welfare, IIT Dharwad, **Shri AC Jayanna,** Treasurer BEA, **Dr Subrahmanya Swamy S,** Principal, BIET, **Prof Y Vrushabhendrappa,** Director, BIET and **Dr GS Sunitha,** Prof & Head, Dept of ECE, BIET. The function coincided with the inauguration of the national conference

NCRAECE-17 (National Conference on Recent Advances in Electronics and Communication Engineering).

• **IETE Delhi Centre** facilitated opening of a **Professional Activity Centre (PAC)** at **Infinite Careers Foundation**, Mathura Road, Faridabad, which is now functioning under the guidance of **Shri Viney Kakkar**, EC Member IETE Delhi Centre. The Delhi Centre conducted a joint training program with PAC, on **Computer Hardware & Networking** at Faridabad in Sep 2017, wherein 25 students participated.

To share your insights with peers you are requested to contribute overview type articles, case studies, for consideration towards publication in IETE Journal of Education

IETE Students' Forum Activities

IETE Student Forums are formed at various departments of the Engg Colleges (ECE, EEE, E&TC, CSE & IT) to help students develop and reinforce their personality and confidence level by encouraging them to attend seminars present paper, develop their organizing skills and improve their management capabilities. As usual the response from ISFs this time too, has been overwhelming and we have tried to cover all the events in short sent by ISFs. In case any news has been inadvertently missed out, it shall be covered in the next issue, if brought to our notice. The technical events reported by IETE Students Forums (ISFs) during past months are as follows in chronological order.

• **ISF** at Dept of ETC, **Padre Conceicao College of Engineering (PCCE), Verna, Goa** invited K Naveen, alumni of PCCE, who obtained his PhD from IIT Bombay to present a session to the third and final year students of PCCE on **May 2, 2017**. The session topic was "Repeater insertion for speeding up interconnects in wired and wireless communication systems". The **ISF** also conducted one week workshop on 'MSP430,TiVA-C series and IoT integration during **Jul 3-7, 2017** in association with EdGate Technologies Bangalore, under the Texas Instruments University Program. Vernon Ferrao, Engineering Project Manager, TCS, Mapusa, was the Chief Guest. Trainers were Asif Hussain and Mr Sagar Minchnal, Application Engineers at EdGate Technologies.

• **ISF** at **Pimpri Chinchwad College of Engineering (PCCOE), Pune,** conducted Seminar on "Analog and mixed signal circuit verification" for TE & BE E&TC Students on **Jul 7, 2017,** inaugurated by Dr NB Chopade. Dr Bhandari, Dr Kinage, Prof AR Suryawanshi and Shri Sandeep Sharma (alumni PCCOE E&TC Dept 2007-2008) were the speakers. 225 members attended including faculty co-ordinator and members. The ISF organized a one-week short term training programme (STTP) on Electronics System Design during **Jul 14-18, 2017**. The aim of the STTP was to provide in depth understanding of design of electronic circuits and systems with a focus on design of switched mode power supply, Data Acquisition System and design of communication block**.** 65 students including faculties- Dr MT Kolte, Prof Varsha Bendre, Prof VK Harpale, Prof Swati Jagtap, Prof Archana Bhamare, and Prof MP Chinchkar attended. The inauguration event of ETSA & IETE 2017-2018 took place on **Jul 18, 2017**. Dr NB Chopade inspired all by his motivational speech. Shri Ashok Suryawanshi also addressed students. Vote of thanks was by IETE Vice Chairman, Shri Shubham Shandilya. A two-day workshop was organized on "Basic course on Image processing using MATLAB" on **Jul 29-30, 2017,** with an objective to give understanding of basic concepts and analyze various algorithms of Image Processing. About 40 members participated.

• **ISF** at Dept of ECE, **Jeppiaar Maamallan Engineering College, Sriperumpudur, Chennai,** conducted a two day workshop on "Rapid open source hands-on with simple link Wi-Fi IoT solution, a single-chip wireless MCU & SOC'S" on **Jul 11-12, 2017.** It also conducted a one-day workshop on "Design of Electrical & Electronic Circuits using AutoCAD" in association with IETE Chennai Centre and student development cell – Electronics Club & CADD School Pvt Ltd on **Aug 9, 2017**. About 125 members attended. Another five-day Short Term Training Program (STTP) was arranged on "Arduino for Beginners - Foundation Level" from **Sep 11-15, 2017** by the ISF.

• **ISF** at Dept of E & TE, **MIT College of Engineering (MITCOE), Pune,** organized a workshop on Programmable Logic Controller (PLC) & Supervisory Control and Data Acquisition (SCADA) on **Jul 12-14, 2017** that made the participants acquainted with the conceptual as well as practical knowledge of the Industrial Automation & latest technologies being used to achieve industrial automation. Shri Rajendra Joshi explained the present scenario of the industrialization and deliberated on how PLC dominated Microcontrollers in terms of numbers of inputs and outputs, memory and networking.

• **ISF** at **L D College of Engineering, Ahmedabad** organised a two-day workshop on "Designing and Implementation of hardware projects" during **Jul 14-15, 2017**. The main objective was to facilitate the students with designing the hardware projects with the help of experts. Hands on practice on the EAGLE software for PCB Designing process was planned under the guidance of the alumni students of the college, who are having their own start-up now. More than 50 participants attended. A unique touch was given to the inauguration ceremony by an idea of wireless "deep pragatya" android application of mobile phone. It was inaugurated in the presence of Shri Panchal, former Engineer, PRL, Ahmedabad and Shri VK Jain, Chairman, IETE Ahmedabad Centre, Prof Usha Neelakantan, HoD/EC, Prof Bhavin Sedani, ISF coordinator and Prof Pankaj Prajapati, ISF committee member of ECE Dept. Students were taught working of EAGLE software. They made layouts for their circuits, learnt to bring layouts and designs in the form of PCBs. The process of ironing, itching, drilling and soldering the PCBs was explained. The **ISF** also organized Time Management and Goal Setting Seminar, Technical Quiz and Treasure Hunt on **Sep 7, 2017**. Dr Venkant Ramani, former scientist, Institute for Plasma Research and Mg Director, Aditya High Vacuum Private Ltd, GIDC, Kathwada, Ahmedabad and other dignitaries Dr GP Vadodaria, Principal, Prof Usha Neelakantan, HoD/EC and Ms Nirna Somani, were the invited speakers.

• **ISF** at **GITAM School of Technology, Bangalore,** organized a technology challenge on **Jul 15, 2017** for IETE Student Chapter. TECH RETO is a challenge, which was framed into 3 rounds testing technical skills of the participants. 50 students participated. The first round was based on general technology, second session was 'Just-A-Minute session', to promote individual skills, while in the 3rd round, presence of mind of participants was tested.

• **ISF** at Dept of ECE, **Kings College of Engineering, Thanjavur (TN)** organized a guest lecture titled "Solar Powered Inverters" on **Jul 21, 2017** by Shri S Arunkumar, Manager, Engineering & Solution support, Yaskawa India Pvt Ltd, Bangalore. He explained the concept of solar power harvesting, working principle of Photovoltaic cell, specifications & requirements of PV panel and functional blocks of solar powered inverter. He also highlighted the concepts and techniques of maximum power tracking, positioning and orientation of PV panels, comparison of output power obtained in winter and summer and issues of solar power harvesting. Shri T Jeyaseelan AP/ECE, ISF coordinator took the lead.

• **ISF** at **RMD School of Engineering, Pune,** organized a seminar on "Motivational speech on career opportunities after engineering " on **Jul 24, 2017.** Resource person was Shri K B Gorane, Vice President Operation Head, ALFA Laval, USA.

• New **ISF** at **Rajalakshmi Engineering College, Chennai,** inaugurated by Dr Swarna Ravindra Babu, Chairman, IETE Chennai, arranged a guest lecture on "The Role of GPS and Sensors in Modern Navigation" by him on **Jul 27, 2017.** About 175 members attended.

• **ISF** at Dept of ECE, **Panimalar Engineering College**, **Chennai** organized a guest lecture on "Opportunities & Freedom of Choices" on **Jul 27, 2017** by Ms Santhoshi Srinivasan, CEO, who explained various opportunities available to ECE graduates. A technical paper presentation event, Tech'o'ration'17 was organised on **Aug 16, 2017**. Dr Leones Sherwin Vimalraj, Prof / ECE, Mrs J Jeneetha Jebanazer, AP / ECE and Shri N Chidhambaram, AP/ECE constituted the panel of judges and three prizes were awarded for the best presentations. A two-day workshop on Robotics was conducted on **Aug 17-18, 2017** in association with good engineers. ISF Student's Day, Intellonics'17 was celebrated on **Aug 23, 2017.** Dr Srimathy Kesan**,** CEO, SpaceKidz India, graced the occasion and delivered special address. Haffizur Rahman, Scientist, DRDO, Avadi, delivered a technical talk on "Scopes and Exposures in Government Sectors" on **Aug 30, 2017**.

• New **ISF** at **Easwari Engineering College Chennai,** was inaugurated by Shri Tata Sudhakar, Scientist F, National Institute of Oceanography, Vice Chairman, IETE Chennai Centre on **Aug 3, 2017**. About 150 members attended the inauguration.

• Workshop for III yr BTech/ECE and EEE students on MATLB was organized by the **ISF** at **Sphoorthy Engineering College, Hyderabad,** during **Aug 4-5, 2017.** Shri P Vikram Kumar, Science Promoter, IIT Mumbai & Dr Karthik, IIT Chennai were the resource persons.

• **ISF** at **T S Srinivasan Polytechnic College, Chennai,** and **ISF** at **SRM University–Kattankulathur, Chennai,** both conducted a two-day workshop at their campus on "Internet of Things–IOT", collaboratively by CAISER and IETE Chennai on **Aug 5, 2017** and **Aug 7, 2017** with 35 and 84 participants correspondingly.

• **ISF** at Dept of ECE, **Nandha Engineering College (NEC), Erode,** conducted an academic seminar on **Aug 8, 2017** in association with IETE Erode Centre. Dr RK Mugelan, AP/ECE, PSG College of Technology Coimbatore, the resource person delivered lecture on "Wireless Communication and its Evolution towards 5G". Prof P Premkumar, AP/ECE, Prof TG Dharani, AP/ECE, Prof P Kokila, AP/ECE, Prof R Murugasami, ASP/ECE, Students of ECE attended**.** The **ISF** organized Association Inaugural function (eZEALOTS 2018) in association with IETE, for the academic year 2017-2018, on **Aug 23, 2017**. Ms Mandip Kaur, Scientist (Wos C), Technology Information, Forecasting and Assessment Council, DST, Govt. of India, Chennai, the chief guest, delivered lecture on "Fundamentals of IPRS and Nitty-Gritties of Patents ".

• As per the circular of Government of Maharashtra about plantation of 2 crore trees, **ISF** at **Prof Ram Meghe College of Engineering & Management (PRMCEAM), Badnera, Amravati,** took the initiative of organizing a Tree Plantation Program on **Aug 9, 2017**. Dr KN Kasat, Head of EXTC Dept was the chief guest for the event. Faculty Members of the college and around 60 ISF Members participated in the event.

• **ISF** at **Aurora's Technological Research Institute (ATRI), Hyderabad,** conducted "Technical Quiz" on **Aug 10, 2017,** which acclaimed huge positive buzz from the students. The ISF also conducted "Project Expo" on **Aug 23, 2017**, where 65 working models in different domains were shown. The ISF conducted another seminar on "Research Paper Publication" on **Sep 1, 2017**. The students showed great enthusiasm in displaying their ideas. The main aim of this event was to provide them an opportunity to explore technical problems and their solutions. There were 65 working models in different domains, appreciated by all and judged by the experts.

• **ISF** at **Mepco Schlenk Engineering College, Sivakasi,** organized a guest lecture on "IPSLA – Active Network Monitoring Technology" on **Aug 12, 2017,** inaugurated by Dr R Shantha Selvakumari, Prof & Head/ECE, of the College. Shri S Sangara Narayanan, Software Development Engineer, CISCO System, Chennai gave clear understanding on the Network Monitoring technology and explained about SLA architecture and how to configure and verify IP SLA. He also gave information about IP SLAs TCP Connect Operations and emphasized the importance of recent developments in the area of network monitoring. Shri A Kamaraj, AP/ECE & Ms V Gnanalakshmi, AP/ECE were the resource persons. 210 students attended.

• **ISF** at Dept of ET, **Don Bosco College of Engineering, (DBCE), Goa,** conducted a one day workshop "Arduino" on **Aug 12, 2017** attended by 45 students. Resource persons were Shri Myron and Miss Cecilia. Prof Vishnu Rathod IETE co-ordinator, was present during workshop and welcomed the gathering.

• **ISF** at **Army Institute of Technology (AIT), Pune**, organized workshop on "PCB Designing and Circuit Simulation", on **Aug 12-13, 2017**. Resource person was Shri Ranjeet Singh (MD & CEO), Nutan Infotronics (P) Ltd. The ISF also organised a seminar on "Industrial Automation".

• **ISF** at **Kamaraj College of Engineering and Technology (KCET), Madurai,** conducted a guest lecture for faculty members of ECE Dept on **"**Internet of Things and Machine learning using Tensorflow**"** on **Aug 18, 017**. Shri Sathyanath Premkumar, MD, Amogaa Products Pvt Ltd. addressed the gathering. The **ISF** also conducted "PCB Design Project Expo" on **Sep 27, 2017**. 13 teams participated and shared their talents. Mrs A Geetha, Assoc Prof/ECE and Shri RS Venkatesan, AP/ECE, coordinated while Prof G Srinivasan/CSE, evaluated the event.

• **ISF** of Dept of IT, **Dharmsinh Desai University (DDU), Nadiad, Gujarat,** organized a workshop on "Application Development on Android Platform" on **Aug 19, 2017**. Shri Nilesh Madhudia, Shri Tejas Mehta and Shri Hardik Muliya were called from Mastercard Pvt Ltd, Baroda, Gujarat, to conduct the workshop. Topics covered included: Activity lifecycle Fragments, basic views/layouts, Emulators etc. Prof RS Chhajed, Head, IT Dept, DDU, Dr Vipul K Dabhi, Co-ordinator, DDU-ISF, Dr Harshad Prajapati, Prof Sanddep Suthar, Prof Anand Dave and faculty members of IT Dept, attended.

• **ISF** at **K S Rangasamy College of Technology (KSRCT), Tiruchengode (TN),** conducted one-day workshop on "PCB Design and Fabrication" on **Aug 19, 2017**. Shri K Raguvatan, AP/ECE, KSRCT, explained the concept, implementation and application of PCB design and fabrication. The hands on training were given for PCB fabrication. The workshop was very informative and students gained knowledge on PCB fabrication.

• New **ISF** at **A P Shah Institute of Technology (APSIT), Thane (MS),** was inaugurated by the ISF faculty co-ordinator of EXTC Dept, Prof MP Kurvey on **Aug 22, 2017**. The dignitaries included: the Chief Guest- Prof Uttara Gogate, Hony Secy, IETE Mumbai Centre, Prof Madhuri Rodge, Convenor, IETE Mumbai Centre, Dr UD Kolekar, Principal APSIT & Prof AM Deshpande, Vice Principal and HoD/EXTC, APSIT. Dr UD Kolekar mentioned that identification of area of interest is a must, which will help every student to select their domain and help to excel. Prof AM Deshpande, delivered inspiring address. Prof Uttara Gogte, enumerated benefits of taking the membership of IETE. Prof MP Kurvey, ISF faculty Coordinator, proposed the vote of thanks.

• **ISF** at **Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad, Telangana,** conducted "App Inventor Workshop" to teach students the importance of app development and its applications during **Aug 23-24, 2017**. The software used is MIT App Inventor 2.0. Lectures were delivered by Radhand Sir, Abhiram, Suraj, Vivek and Harsha.

• **ISF** at **Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam,** was inaugurated by Prof DV Rama Koti Reddy, Hony Secretary, IETE Visakhapatnam Centre on **Aug 31, 2017**. Other dignitaries present were: Dr P Somaraju, Secy, Gayatri Vidya Parishad (GVP), Prof EV Prasad, Principal, Prof K Raja Rajeswari, Council Member and Prof DN Madhusudhana Rao, HoD/ECE. Prof DN Madhusudhana Rao emphasized the role of IETE and IETE technical journals. Prof Raja Rajeswari enlightened the audience regarding benefits of ISF. Principal, Prof EV Prasad congratulated the department of ECE, for having started the IETE Students' Forum. Guest of Honour, Prof Somaraju, Secretary, GVP, advised to plan innovative events. Chief Guest- Prof Rama Koti Reddy conveyed the objectives of IETE and benefits of ISF and delivered a technical talk on "Sensors".

• **ISF** at Dept of ECE, **Guru Nanak Institute of Technology (GNIT), Hyderabad,** organized a two-day workshop on "PCB Design and Fabrication" during **Aug 31-Sep 1, 2017** in collaboration with PGP Electronics Pvt Ltd. Workshop provided knowledge about complete PCB designing using simulation tool to test electronics & electrical circuits in software environment and also its fabrication, about PCB design software named Cad soft EAGLE & to make physical PCBs at home. Almost 50 students from IIyr ECE and IETE ISF members participated in the workshop. The **ISF** also organized an Industrial training via "Industrial Visit to Bharat Sanchar Nigam Limited Regional Training Centre, Hyderabad" for their students on **Sep 13, 2017**. The 50th Engineers' Day celebrations was organized on **Sep 19, 2017**.

• **ISF** at Dept of ECE, **Velalar College of Engineering & Technology, Erode,** conducted workshop on "Smart Mobile Phone Technology, Maintenance and Servicing" on **Aug 31–Sep 1, 2017**. Dr M Jayaraman, Principal, felicitated the workshop. The Dean (Student Affairs) of VCET, Prof P Jayachandar explained its benefits. Controller of Examination, Dr K R Valluvan, focused on the importance of mobile phone technology and HoD, Dr K Venkatachalam delivered the key note address. Resource person for the workshop was Er R Karthick, Mg Dir, New Technology, Coimbatore. The workshop ended with Flashing Technology classes. K Senthil Prakash, ASP, S Mahendrakumar, Asst Prof, P Senthil Kumar, Asst Prof, also attended.

• **ISF** at Dept of ECE, **SSM Institute of Engineering and Technology (SSMIET), Dindigul (TN),** organized a technical symposium (RESNOVAE 2K17) on **Sep 1, 2017**. Shri Tamilselvan Mahalingam, CEO, Futurecaptains, Chennai, was the chief guest; welcome address was given by Dr A Gopi Saminathan, HoD/ECE. The other speakers were : Dr M Saravanan, Principal; Dr R Chandran, Campus Director, who motivated the students. Two juries were allotted per event for selecting the winners. The day ended up with valedictory function. Around 150 students participated.

• An invited talk was organized by **ISF** of **Stanley College of Engineering and Technology for Women, Hyderabad** for ECE students on **Sep 1, 2017**. Prof (Dr) K Jaya Sankar, Principal, Vasavi College of Engineering, Hyderabad & GC Member delivered a lecture on **"**Career Guidance/Technologies of Tomorrow**".** Director, Principal, HoD ECE, R&D Director and Dr KN Sahu, ISF Coordinator attended.

Prof Jaya Sankar was felicitated on being elected as Governing Council Member of IETE. The **ISF** also organized KALPANA 2017 a student level project competition as a part of 50th Engineers' Day celebrations on **Sep 15, 2017** for the students of ECE, EEE, CSE and IT (I to IV years). Prof (Dr) Linga Reddy D, UGC-Emeritus Professor, Osmania University, Hyderabad & Hony Secretary, IETE Hyderabad was the Chief Guest and gave message on skill development and social skills. The Guest of Honour, Shri Rajesh Kumar, Scientist 'F', DLRL, DRDO, Hyderabad & EC Member, IETE Hyderabad Centre highlighted the role of engineers in the society. Dr KN Sahu, ISF Coordinator delivered the welcome address and announced the newly elected ISF executive body for 2017-2018. The best projects were evaluated under four distinct categories such as Startup Project, Proof of Concept, Learner's Project and Case Study/Technology of Tomorrow by Dr A Vinay Babu, Director, Dr Satya Prasad Lanka, Principal, Prof A Gopala Sharma, HoD, ECE and Dr Ravindharan Ethiraj, Director, R&D. The 86th birth anniversary of Bharat Ratna, Dr APJ Abdul Kalam was celebrated on **Oct 13, 2017**. Shri Narendra Kale, Scientist 'F', DRDL, DRDO, Hyderabad, graced the event as Chief Guest and delivered 'Dr APJ Abdul Kalam Memorial Lecture' on 'Application of Electronics in Missile Systems - A Case Study'. On this occasion Pratibha Khoj 2K17, a student level talent competition was organized for the students of ECE, EEE, CSE and IT and the winners of various events such as video making, poster presentation and quiz were recognized. Others who graced the event were: Dr KN Sahu**,** ISF Coordinator, Dr A Vinay Babu, Dir, Dr Satya Prasad Lanka, Principal, Prof A Gopala Sharma, HOD, ECE and Dr Ravindharan Ethiraj, R&D, Director.

• **ISF** at **Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology Baramati, Pune,** organized a 2-day workshop on "Logix: Logic Development using C Programming**"** by 'G4Genius'-a group of self motivated students from BE E&TC, on **Sep 2-3, 2017**. The **ISF** also conducted a workshop on "Raspberry Pi" in four batches during **Sep 16-17, 2017**. Prof Madhav N Arotale, Dept of E&TC, successfully mentored 12 students.

• New **ISF** at **Velammal Engineering College, Chennai,** was inaugurated by Shri R P B Sundaram, (Retd) AGM, BEL & EC Member, IETE Chennai Centre, on **Sep 5, 2017**. About 200 members attended.

• New **ISF** at **SJ Polytechnic Govt Diploma College**, **Bangalore,** was inaugurated by PJVKS Prakash Rao, Director, GSAT, ISRO Satellite Centre, on **Sep 5, 2017**. He delivered a technical talk for the benefits of students community and teaching staff. Shri G Ramesh, Chairman and Prof H S Bhatia, Hony Secretary of Bangalore Centre were the Guests of Honour. Shri DV Srinivasmurthy, Principal, presided over the function.

• **ISF** and Dept of ECE association Electro Ethnarch at **K Ramakrishnan College of Engineering, Tiruchirappalli,** organized an "Interdepartmental paper presentation" contest on **Sep 6, 2017**. 110 students presented paper in 55 batches. Three prizes were distributed by the Principal, Dr D Srinivasan to the winners. The contest was arranged by the ISF Coordinator -Dr M Maheswari, Professor/ECE

and was co-ordinated by Shri Viugneswaran, AP/ECE and Ms R Gayathiri, AP/ECE.

• **ISF** at Dept of E&TC, **K K Wagh Institute Engineering Education & Research, Nashik,** organized the E-Ganesha Competition in collaboration with IETE on **Sep 7, 2017**, inaugurated by HoD, Dr DM Chandwadkar. Its main objective was use of electronics in Ganesha decoration & to enhance students' interest in electronics field. Judges were- Shri Kalpesh Patil, Matrix Nashik & Ms Surabhi Jalori, Emerson, Nashik, who are the alumni of the Dept. Total 16 groups, each of 3 to 4 students, enthusiastically participated in the competition. Out of which 3 groups were declared winners. The students used electronic concepts very innovatively for the decoration.

• **ISF** at Dept of E&TE, **MES College of Engineering, Pune,** was inaugurated on **Sep 7, 2017.** The inaugural function was hosted by Shubham Choubey and Bhargav Deshpande. Principal Dr A A Keste mentioned the importance of the ISFs in his address. Prof P B Chopade, HOD E&TC, motivated the participants to conduct the various activities under the ISFs. The function was graced by the Guest of Honour- Shri G K Dawara, Chairman IETE, Pune Centre, Shri K R Shende, Hony Secy, Prof S K Khedkar, Past Chairman, Pune Centre. The Chief Guest highlighted the activities being carried under IETE Pune centre. Shri K R Shende addressed the audience on the topic 'Energy Resources' followed by the address from Prof S K Khedkar. The activity was co-ordinated by Prof P N Kota, Prof R D Maknikar and Prof M D Katole.

• **ISF** at Dept of E&TE, **VIVA Institute of Technology, Palghar (MS),** organized a two-day workshop on "Image Processing Using Matlab" on **Sep 7-8, 2017**. The workshop was based on Image processing concept using the MATLAB software which was conducted by Shri Thayyal. Principal, Dr Arun Kumar explained future scopes of the field. Mrs Archana Ingle, HoD/EXTC, said that the workshop could be utilized to take creative projects in the field of Image Processing. Faculty in-charge, Chitra Takle, Ms Saloni Vartak as Chairman and Shri Omkar Bhushankar as Vice Chairman of the ISF along with the other committee members, managed the event. Valedictory function was handled by Ms Saloni Vartak and vote of thanks was presented by Vice Chairman- Omkar Bhushankar.

• Shri A Sadagopan, AGM (Retd), BSNL delivered a guest lecture on "Digital Communication" at **ISF Veltech Avadi, Chennai,** on **Sep 8, 2017**. About 150 members attended.

• **ISF** at **Vasavi College of Engineering, Hyderabad** celebrated "Engineer's Day" on **Sep 9, 2017**.

• **ISF** at Dept of ECE, **Kongunadu College of Engineering and Technology (KNCET), Trichi (TN)**, organized a one-day workshop on "Hands on Training for PCB Design and Fabrication" on **Sep 9, 2017**. The workshop was aimed to provide knowledge about complete PCB designing using simulation tool to test electronics & electrical circuits in software environment and also its fabrication. Prof M Dharmalingam, HoD/ECE, delivered the welcome address. Dr K Amudha, Assoc Prof, briefed on the "PCB design for engineering

graduates" needed for upgrading of their skills. Shri S Pradeep/AP, conducted the workshop and gave hands-on training on PCB Design using Diptrace simulator. Shri D Karthikeyan, AP/ECE, proposed vote of thanks. The **ISF** conducted a technical paper presentation on **Sep 15, 2017** on Engineers Day. Faculty members: Dr K Amudha & R Shankar adjudged the paper presentation event. Prof M Dharmalingam, HoD, ECE, distributed prizes and certificates to winners and participants.

• **ISF** at Dept of ECE, **BVRIT Hyderabad College of Engineering for Women, Hyderabad,** organized first International Conference on Micro-Electronics, Electromagnetics and Telecommunications – ICMEET on **Sep 9-10, 2017**. It was technically sponsored by Springer LNEE series and organized under IETE and ISTE Student chapters. Shri MSR Prasad Garu, Dir, DRDL, was the Chief Guest. Dr Naeem Hannoon, Faculty of Electrical Engineering in University Technology Mara, Malaysia, was Guest of Honour. Dr Suresh Chandra Satapathy, Corresponding Editor, Springer LNEE series, ICMEET – 2017 was the special guest. Chairman, K V Vishnu Raju; Vice-Chairman Ravi Chandran Rajagopal; Director, Dr S Sundarrajan; Principal Dr KVN Sunitha; Conference Chair Dr J Naga Vishnu Vardhan; Convener, Dr K Seetaiah graced the occasion. About 75+ papers were presented under the categories like Embedded, VLSI, Communications and Signal Processing. For Valedictory Ms Radha Nayani, Scientist from NRSC was the Chief Guest.

• **ISF** at **K J Institute Trinity Academy of Engineering**, **Pune,** was inaugurated on **Sep 11, 2017** in the presence of Chairman of IETE Pune Centre- Shri GK Dawara; Hony Secretary- Shri Kishore Shende; Past Chairman- Prof SK Khedkar; Principle of TAE- Dr Prof VM Wadhai; HOD- Prof DD Kulkarni and ISF Staff Coordinator-Prof D A Jakkan. About 30 students were enrolled.

• Technical talks were delivered on **Sep 12, 2017** by Shri Devadasan Kizhapat, Co-Founder and Chief Technology Officer of Unpickle Analytic Solutions, Bangalore and Dr Rajasekar Mandi, Reva University at **ISF- Shri Venkateswara College of Engineering.**

• New **ISF** at **JSPM Imperial College of Engineering & Research, Pune**, was inaugurated. About 70 students were enrolled.

• Dept of ECE at **ISF -Prasad V Polluri Siddhartha Institute of Technology (PVPSIT), Vijayawada,** conducted various events as part of Engineers' Day celebrations, on **Sep 13, 2017** and prizes were distributed on Engineers' Day, i.e. **Sep 15, 2017.** Project Expo was also conducted on the same day. Personality development drive for II & III year students were organized on **Sep 21, 2017** by Prof KV Subba Raju, Professor Emeritus, SRKR Engineering College, Bhimavaram.

• **ISF** at **Adhiyamaan College of Engineering, Hosur, Tamil Nadu**, organized a 5th Technical Symposium on Computing, Control and Communication System (CCCS2k17)"during **Sep 13-14, 2017**. Dr YVS Lakshmi, Group Leader, IPR- Marketing and KMG, Centre for Development of Telematics (CDoT), Bangalore, graced the event as Chief Guest, while Shri P Sudarshan Rao, Scientist 'F' (Retd), LRDE-DRDO, Bangalore, as Guest of Honour. Dr G Ranganath, Principal

and Dr T Menakadevi, Coordinator-ISF were also there. Dr Lakshmi and Shri Rao delivered the inaugural address and special address respectively. Dr G Ranganath, Principal, presided over the function. Ms Sameer Fathimal, Student President–ISF proposed vote of thanks.

• **ISF** at **VKR, VNB & AGK College of Engineering, Gudivada (AP)** conducted 5th ISF Annual Day celebrations on **Sep 14, 2017,** where in Paper Presentation, Technical Quiz and Circuit Design events were held. The ISF also conducted a 2-day workshop on "PCB Designing & Manufacturing" on **Sep 22-23, 2017** by V Govinda Rao (MD) Microlink Peripheral Controls Pvt Ltd, R&D Centre.

• **ISF** at **Padmabhushan Vasantdada Patil Pratishthan's College of Engineering (PVPPCoE), Mumbai,** conducted a five-day workshop on LaTex for report writing and conference paper writing on **Sep 14, 20, 21, 27&28, 2017.**

• **Engineers' Day** was celebrated at **ISF Sri Ramakrishna Institute of Technology, Pachapalayam, Coimbatore,** on **Sep 15, 2017** by organizing a Project Expo. Many students actively participated in the project display. The judges were: Mrs D Binu, AP/ECE & Mr G Ravindran, AP/ECE.

• **ISF** at Dept of ECE, **Technocrats Institute of Technology & Science** (**TIT & Science), Bhopal,** organized a one-day seminar on "Consumer Connect Initiative" on **Sep 15, 2017** by Telecom Regulatory Authority of India (TRAI). Keynote speakers were: Er Rakesh K Tiwari, ITS Dy Advisor, TRAI; Er Yogesh Kumar, ITS Dy Advisor, TRAI & Er Lalit Kumar Gujar, Sr Research Officer, TRAI. Main focus areas were Mobile Technology, 3G, 4G, VoLTE, GSM, CDMA and apps available. Commercial aspects such as tariff plan, service qualities, call, drop, roaming etc were also explained.

• **ISF** at Dept of ECE, **Baba Institute of Technology and Sciences, Visakhapatnam (AP),** organized Electro–Expo 2017– a Mini Electronic Project Exposition & Paper Presentation on **Sep 15, 2017**, commemorating 156th Birth anniversary of Shri Visvesvarayya. It was graced by Chief Guest-Chairman IETE Visakhapatnam Center–Prof P Mallikarjuna Rao, Dept of ECE, AU College of Engineering, Andhra University, Visakhapatnam. He addressed the students' community to meticulously work in their academics and be grounded in the basic fundamentals of their respective subjects. Principal–Dr C V Gopinath, HoD/ECE–Shri B Siva Prasad, HoD/EEE- Shri Sai Ganesh & ISF Co-ordinator–Shri G Aswan Kumar also attended the event.

• **ISF** at **Jawaharlal Darda Institute of Engineering and Technology (JDIET), Yavatmal,** celebrated the "Engineers' Day" on **Sep 15, 2017**. 100 EC members, corporate members and ISF member attended. The ISF in association with IETE Yavatmal Sub-Centre also arranged the "Blood Donation Camp" on **Oct 9, 2017**. Dr AW Kolhatkar, Principal, JDIET Yavatmal; Dr SM Gulhane, Chairman, IETE Yavatmal Sub-Centre; Prof P D Pawar, ISF Faculty Advisor; Secretary Rotary Club, Yavatmal; Prof PG Kaushik, Prof AA Pachghare, EC Members of IETE Yavatmal Centre, corporate members and ISF students were present. 161 donors participated.

- New **ISF** at **MNM Jain College of Engineering, Chennai,** was inaugurated by Vice Chairman of IETE Chennai Centre, Shri Tata Sudhakar, Scientist F, National Institute of Oceanography on **Sep 16, 2017**. About 150 members attended.

- **ISF** of **Reva University, Bangalore,** was inaugurated on **Sep 16, 2017** by Dr D C Pande, Ex scientist, LRDE, DRDO & Immdt. Past Chairman IETE Bengaluru Centre. He delivered a technical talk on RADARS. In the very first batch of ISF from Reva University, 74 student members enrolled for ISF from ECE dept and all the sixty Faculty members of School of ECE became life members of IETE. Prof HS Bhatia, Hony Secretary, IETE Bengaluru Centre speaking on the occasion expressed special thanks to Dr SY Kulkarni, Vice-Chancellor and Dr RC Biradar, Director, School of ECE.

- **ISF** at **BITS, Vadodara,** organized an event on Wired Robotics workshop for IInd year/EC students, supervised by IETE Faculty coordinator, Prof Kashish M Makhijani on **Sep 16, 2017**. The first session was in nutshell- introduction to the Basics of Proteus. With the help of Hardware kit, in second session students were guided to make the hardware for the same. After completing the hardware for the 'wired robo-car' the students were also made aware about how to convert the 'wired robo-car' into a 'wireless' and some circuits were demonstrated ready for simulation intended to help students for their coming semesters. Dr Surbhi Dwivedi keenly observed the event.

- **ISF** at Dept of ETC and Association of Electronics & Telecommunication Engineering Students **(ASSETS), Goa College of Engineering (GEC), Farmagudi, Goa**, in association with IETE, Goa Centre, organized a two-day workshop on **"HTML, CSS and Java Script"** on **Sep 16-17, 2017**. Ms Gauri Desai, CEO, Thoughtslate Pvt Ltd, Ponda, was the resource person for the workshop. 24 students participated. Dr HG Virani, Professor and Head, ETC Dept, GEC and Chairman, IETE, Goa Centre and Shri Sangam Prafulla Borkar, AP/ETC Dept, GEC, coordinated the workshop.

- New **ISF** at **IFET College of Engineering, Villupuram, Chennai,** was inaugurated by Shri R P B Sundaram Retd) AGM, BEL & EC Member IETE Chennai Centre, who gave a talk on 'Benefits of IETE' and a technical presentation on 'Role of Electro – Optics in Defence' on **Sep 18, 2017**.

- **ISF** -Dept of ET, **Pankaj Laddhad Institute of Technology and Management Studies (PLITMS), Buldana**, organized a student technical event 'Electro-Fest 2k17' on the occasion of Engineers' Day on **Sep 18, 2017**. Dr PM Jawandhiya, Principal, guided the students through his talk. Dr PB Shelke, ISF Coordinator & Head and the faculty members were also present on the occasion.

- **ISF MVSR Engineering College, Hyderabad,** observed Engineers' Day on **Sep 18, 2017**.

- **ISF** at Dept of ECE, **MM University, Chandigarh,** organized a one-day technical workshop on NI Lab VIEW (Laboratory Virtual Instrument Engineering Workbench) and Ardiuno Interfacing on **Sep 19, 2017** in association with IETE Chandigarh Centre. The main objective of the workshop was to update the students about latest

research trends and technology ongoing in the domain of Electronics circuit simulations using lab view software. It began with welcome address by Prof Parveen Bajaj, HoD, who enlightened the students about the relevance, importance and applications of NI LabVIEW software and Ardino Interfacing. A lecture-series was provided by Rattan Dass, Sr Research Fellow.

- **ISF** inauguration at Dept of Telecom Engg of S**ir MVIT, Bangalore** was organized on **Sep 20, 2017.** Inaugural address was given by the Vice Chairman, Prof GK Venkatesh and concluded with a technical talk by Shri Devadasan, UnPickle, Bangalore on "Analytics and Big Data".

- New **ISF** at **ITM Vocational University, Vadodara,** was inaugurated on **Sep 23, 2017**. Shri Tushar B Kher, Chairman IETE Vadodara Centre; Dr Vijay K Shah, Vice Chairman and Shri Gorakh Sharma-Hony Treasurer participated. Dr KS Murthy, Hony Provost of ITM Vocational University, Dr Devang Shah, Principal, ITM VU, Dr KS Murthy declared the ISF open and delivered motivational speeches. It is thought that Forum would play a stimulating role in improving the standard of Education; Counsel students in emerging new opportunities; Encourage outside classroom studies/practical work/seminars. ITM Vocational University, organized a seminar on Internet of Things (IOT), where Dr Vijay K Shah, the program senior principal engineer, BUPPMV member, PPMV international team of R&D expert ABB India Ltd, delivered a talk on ABB robotic products. Intel video on IOT and IEEE reports were also shared. Interactive presentation by Dr Shah was well received.

- **ISF** at Dept of ECE, **Nandha College of Technology, Erode,** organized a student motivation programme on "Personality Development & Stress Management" on **Sep 25, 2017**. Dr V Rajasubramaniam, Prof, Esteem Academy, Erode & Shri A Sivakumar, Vice Principal, AGM College of Education, Erode, were the Chief Guests, who spoke on - How to develop self personality, How to avoid stress. Dr S Nandagopal, HoD/ECE was present.

- **ISF** at Saveetha Engineering College, Chennai, conducted two-day workshop on "Internet of Things (IOT)" on **Sep 25-26, 2017**. This program is done collaboratively by CAISER and IETE Chennai. About 60 members attended.

- Prof H S Bhatia, Hony Secretary, Bangalore Centre, inaugurated **ISF** at **BMS College of Engineering, Bangalore** on **Sep 26, 2017**. Dr G Poornima, HoD of the College, presided over the function. Shri Sudarshan Rao, EC Members and Prof G K Venakesh were the dignitaries on the occasion.

- **ISF** at Dept of ECE of **TRP Engineering College (SRM Group), Trichy**, was inaugurated by Dr G Murugesan, Chairman, IETE Erode Centre with 212 student members on **Sep 28, 2017**. Dr Murugesan advised the students to make use of such facilities available at IETE chapters to enhance expertise and verifiable skills as it is the only way to thrive in competitive world. He also gave seminar on "Exploring Engineering". Dr P Thiruvalar Selvan, Head/ECE, delivered the welcome address, presidential address was given by Dr PKA Muniswaran, Director, SRM-Trichy Campus. Felicitation talk was

by Dr S Malik Raj, Principal. Vote of thanks was proposed by Mrs K Priyadharshini, faculty co-coordinator ISF.

• **ISF** at **R Ramakrishnan College of Technology, Trichy**, was inaugurated by Dr G Murugesan, Chairman, IETE Erode Centre on **Sep 28, 2017**.

• A one day workshop on "LabVIEW and its applications" was organized by the **ISF** at **ANITS, Visakhapatnam,** on **Oct 8, 2017** for the benefit of students of ECE. Shri J Bhaskar Rao and Shri A Siva Kumar delivered presentations on LabVIEW followed by hands-on training on labview for applications related to image processing and signal processing. A guest lecture was also organized on Antennas and Microwave Group, Dept of ECE in association with **ISF** on **Oct 31, 2017**, delivered by P Trimurthulu, Scientist-G, Project Director, Varunastra & ALWT (Advanced Lightweight Torpedo Technology), Naval Science & Technological Laboratory (NSTL), Visakhapatnam, for the benefit of faculty and students on "Torpedo Engineering". The speaker deliberated on control systems, batteries & LASER guidance involved in the design of Varunastra, which is an indigenous system as a part of "Make in India" program. Dr V Rajya Lakshmi, Prof & HoD, presided over the event.

• New **ISF** at **Punjabi University, Patiala,** was inaugurated on **Oct 10, 2017**. Dr Umesh Twari, former Hony Secy and Dr Surender Singh Saini, Hony Secy of IETE Chandigarh Centre, graced the inaugural ceremony. Dr Surinder Singh, Principal Scientist, CSIO, inaugurated the ISF at Dept of ECE. Dr Umesh Twari, Principal Scientist and Ex Hony Secy of IETE, inaugurated the newsletter of IETE ECE Punjabi University Patiala. Dr Manjit Singh Patterh, Dr Gurmeet Kaur, Head and other ECE faculty members were also present. Workshop on Advances in Telecommunication was held where Kapil Bhutani was the key speaker. Dr Reecha Sharma, Asst Professor ECE, was designated as Coordinator of IETE Student Forum ECE Punjabi University Patiala. Dr Lovkesh Assist Professor ECE was designated as Co-coordinator of ISF-ECE Punjabi University Patiala.

• **ISF** at **PSG College of Technology, Coimbatore** organized a three-day event **"Technotronz" -t**he Battle of Minds" on **Oct 10-12, 2017**. The event saw young enthusiastic participants from various departments coming together with around 100 teams in total. Owing to the fact that "Knowledge is of no value unless it comes to practice", Technotronz conducted three unique events to test the young minds. First one was "Technothirst", a technical event which had three rounds, namely Aptitude, Connections and Memory challenge. 30 teams participated in which 5 teams were selected. The second day was "Code-Rush", which was a technical event based on coding. This challenging event mainly focused on testing the knowledge and agility of programming skills among the contestants with two different rounds. The series of events ended with non-technical event- Know your Country, on third day with three rounds based on current affairs, riddles and shipwreck. Winners were recognised.

• **ISF** at **Kongu Engineering College (KEC), Perundurai, Erode,** organized Tech Thirst on **Oct 12, 2017**. Dr G Murugesan, HoD, KEC

welcomed the gathering. The felicitation address was given by Prof S Kuppuswami, Principal, KEC. Presidential address was given by Thiru A Venkatachalam, Correspondent, KEC. He stressed upon the students to participate in extra and co-curricular activities in order to develop their soft skills and technical skills. He also emphasized the students to make use of the IETE services effectively. Tech Thirst was an inter departmental technical symposium in which students showcased their technical skills and talents. The valedictory address was given by Dr G Murugesan, HoD, ECE.

• **ISF** at **Kamaraj College of Engineering and Technology, Virudhunagar,** conducted a guest lecture on "Introduction to Cancer and X-ray & CT Scan Images" for III Year ECE students on **Oct 12, 2017**. Dr Joe Pradhip, Indian MRI Diagnostics and Research Limited, Madurai, was the speaker. Dr R Suresh Babu, HOD/ECE, presided. Dr Joe Pradhip deliberated on the technology behind the X-ray machine, CT and MRI Scan machine, & ultra sound scanner. V Jeyalakshmi, AP/ECE, co-ordinated the event.

• **ISF** at **Chandigarh Engineering College (CEC), Landran,** conducted an expert lecture on "GSM Networks" by Ms Chanpreet Kaur, AP/ECE, CEC, on **Oct 13, 2017**. 70 students attended.

• Prof Prashant R Nair, Amrita University & Hony Treasurer, IETE Coimbatore Centre, was the Chief Guest during the inauguration of the new **ISF** at Dept of EC, **PSG Institute of Technology** and **Applied Research, Coimbatore,** on **Oct 14, 2017**. Dr E Malar, Prof & Head/ECE Dept, Dr P Vetrivelan ISF Coordinator, were present on the dais. Prof Nair inspired students to follow their passion and to work hard and aim at gaining knowledge through the various forums provided by the association.

• **ISF** at Dept of ECE, **Kakatiya Institute of Technology & Science (KITS), Warangal** – organized **'Circuitrix'** in association with IETE, Warangal Centre on **Oct 14, 2017** as a part of technical activity under Sumshodhini'2017. The students coordinators of the event- Shri P Anurag, Md Ameerullah, Shri B Birla, Shri P Sai Krishna conducted the event in a practical way by employing various rounds of the competition. Judges were : Assoc Prof A Vijaya /ECE & MIETE, Shri A Pavan, AP/ECE and Shri Ch Pavan Kumar, AP/ECE. The event of **'Techbuzz'** was also organized by student coordinators - K Bhavana, T Rajesh, K Sahaja & P Shashank. Judges included : E Suresh, Assoc Prof, ECE and Vice- Chairman of IETE Warangal Centre, P Yugander Asst Prof, ECE, E Sushmitha Asst Prof, ECE.

• **ISF** at Dept of ECE, **Saintgits College of Engineering, Kochi,** conducted a "Quiz Competition" in connection with the **Engineer's Day** celebration on **Oct 27, 2017** (Prelims conducted on Oct 13, 2017). Ms Herlin Mary Jose & Ms Elizabeth Pothen of S_5 Dept of Civil Engg bagged the **first prize**. Mr James M Chacko & Joshua Siby of S_5 of ECE bagged the second prize while third prize was taken away by Mr Justin Mathew & Mr Amal Babus of S_5 of CSE. The quiz masters for the completion were Ansa Miriam Ninan & Maria Rose James of S_5 of ECE.

• **ISF** at **MLR Institute of Technology (MLRIT), Hyderabad,** organized IETE National Technical Convention on 'Recent Trends in VLSI and Signal Processing' on **Oct 27-28, 2017**. Chairman, IETE Hyderabad Centre, Dr G Laxminarayana; Hony Secretary, Prof (Dr) Linga Reddy D; Vice Chairmen- Prof CR Sarma and Prof A Sarveswara Rao, OP Venkateswar, Dr IV Subba Reddy, Dr KVNSVPL Narasimham and K Subbi Reddy attended. Dr Laxminarayana delivered a guest lecture on 'Trends in VLSI'**.** Vice Chairman, Prof Sarma spoke on 'IOT'. Nearly 600 students and faculty from different colleges participated. Events like Paper and poster presentations, Technical Quiz and Circuit debugging were included.

• **ISF** at Dept ECE, **ATME College of Engineering (ATMECE), Mysuru,** organised a five-day workshop on "Applications of Advanced Embedded Systems using NI LabVIEW & ARDUINO" during **Oct 27-31, 2017**, in association with NI LabVIEW Academy, Dept of ECE, SJBIT, Bengaluru. 185 students from ATME College of Engineering, Mysuru and other engineering colleges such as CIT, Ponnampet, NIEIT and GSSSIETW, Mysuru participated. The workshop was coordinated by Chief Coordinator- Dr Mahesh P K, HoD; Conveners- Dr Yathisha L and Pavithra A C and Co-Conveners- Amrith Poonacha and Girish M, Asst Profs, Dept of ECE, ATME with Dr L Basavaraj, Principal, ATMECE, Mysuru, as the Organizing Chair. The Resource persons were Dr Ravikumar A V, Assoc Prof, Chief Coordinator, Shreenidhi and Nagarjun Gowda, LabVIEW Academy, SJBIT, Bengaluru, Darshini M B, Asst Prof and Kishan V, ATMECE, Mysuru. Elintz Lab, Bengaluru provided the hardware kits which were procured by ATMECE Mysuru.

• **ISF** at Dept of ECE, **Gandhi Engineering College (GEC) Bhubaneswar,** organized "Telecom Conclave-17" on **Oct 28, 2017**. The event was graced by Shri AK Pahi, GM, BSNL as Chief Guest and Shri Pradipta Kumar Sahu, Principal RTTC, Bhubaneswar as Guest of Honour. Prof (Dr) K Bijay Kumar, Dir, GEC, welcomed the gathering. Shri Sanjeev Achariya, Bharti Airtel and Ms Saroj Panigrahi, Vodafone, were the notable speakers. On the occasion the departmental annual technical magazine "Electtrocazione" was released. Vote of thanks was proposed by Shri Kaustav Dash, AP/ECE.

• **ISF** at Dept of ECE, **Chandigarh University, Gharuan, Mohali, Punjab,** Telcocrats Technologies, Ludhiana in association with the IETE, Chandigarh Centre, organized a three-day technical workshop on "Advance Wireless Communication" during **Oct 31 - Nov 2, 2017**. It started with the opening speech by Shri Khushal Thakur, AP/ Chandigarh University, followed by the introduction speech on IETE and Telcocrats mission and vision by Shri Kapil Bhutani, Director, Telcocrats Technologies. Dr Paras Chawla, HoD, motivated students on the new opportunities available for the new engineers and on how to make a better career in their respective domains. Mayank Kaushal, Sr RF Engineer shared his experience followed by the workshop on planned modules of Advance Wireless Communication. On second day, Taranjeet Singh, explained the practical aspects in Networking and Optical Fiber followed by the explanation of latest trends such as 5G, IoT and NGN. On the day three, Mayank Kaushal continued the module of Wireless Technology with practical on live software for 3G and 4G technologies. Students were given chance to do hands-on training on industry tools and its working software.

• **ISF** at Dept of ECE, **Punjabi Univ, Patiala,** organized an expert lecture by Shri Kapil Bhutani on "Wireless Networks" and 3G and 4G. for MTech students and IETE members for enhancing their interest in core subjects of electronics on **Nov 7, 2017**. 60 MTech students and 40 IETE members participated. The event was arranged by IETE Coordinator, Dr Reecha Sharma.

Calendar of the Events

Subject	Date	Venue	Contact
IETE Zonal Seminar South and ISF Congress on **"Blockchain Technology"**	Feb 19-20, 2018	Senate Hall, Sri Venkateswara University, Tirupati	**Dr TVC Sarma,** Chairman, IETE Tirupati Centre 401 & 402, 4th Floor, AVR Complex, Balaji Colony, Tirupati-517502 (Mob): 0 9441036330 ; 09247007122 Email: tvcsarma@nari.gov.in
22nd Sir C V Raman Memorial Lecture	Feb 28, 2018	IETE Bangalore Centre	**Shri G Ramesh,** Chairman, IETE Bangalore Centre, Bellary Road, Gandhinagar, Bangalore – 560 032, (Mob): 09663399311, 09481379311 Ph: 080-23331133 Email: rgieteb@gmail.com; gramesh@isac.gov.in; bangalore@iete.org
49th Mid Term Symposium (MTS-2018) on **"Recent Trends in Wireless Communications"**	Apr 08-09, 2018	Visakhapatnam	**Shri Anil Sharma,** Dy Secretary IETE HQ, 2, Institutional Area, Lodi Road, New Delhi – 110 003, (M) : 09871650246 (O) : 011-43538823 Email: dysec@iete.org ; **Prof P Mallikarjuna Rao,** Chairman, IETE Visakhapatnam Centre (M) : 09247149103, Email: pmraoauece@yahoo.com; iete.vizag@gmail.com
1st IETE International Conference india-2018 (iici-2018) on **"Technological Advances & Applications in IOT, Data Analytics, Big Data & 5G"**	May 2-4, 2018	Bangalore	**Shri G Ramesh,** Chairman, IETE Bangalore Centre, Bellary Road, Gandhinagar, Bangalore – 560 032, (Mob): 09663399311, 09481379311 Ph: 080-23331133 Email: iiciblr2018@gmail.com; rgieteb@gmail.com; gramesh@isac.gov.in; bangalore@iete.org **Dr MH Kori** - +91-9342593876 **Prof H S Bhatia,** Hony Secretary, IETE Banglore Centre – +91 -9243401078

IETE Organizational Members Activities

• **Adhi College of Engineering and Technology, Chennai,** Organisational Member **(G00508) & ISF**, conducted a two-day certificate course on **"Real Time PCB Design and Fabrication Technique"** during **13th-14th Jul 2017** with **Mr S Sahul Hameed,** Head/Marz InfoTech, Vellore, as the Chief Guest. **Dr K Sakthisudhan,** Convener, delivered the welcome remarks. Dr R Anitha, Assoc Professor/ECE, Coordinator, explained recent trends related to PCB fabrication design. Another programme on **"Recent Trends in Antennas and Filter Design"** was held on **31st Jul 2017.** The Chief Guest-**Dr D Sriram Kumar,** Prof/ECE, National Institute of Technology, Trichy and **Dr H Umma Habiba,** Prof/ECE, Sri Venkateswara College of Engineering, Sriperumbudur, presided. They spoke on 'Antenna design' and 'Filter design' respectively. **Dr Habiba** shared her knowledge in RF filter design with the demonstration using ADS tool. **Dr A Devaraju,** Principal/ACET delivered the presidential address. 160 students participated. Another one-day technical symposium on "CORICS'2K17" was organized by this College on **18th Aug 2017**. The Chief Guest

National Symposium of CORICS' 2017

Mr A Athif Shah, COE & Chairman, ABE Semiconductor Designs, Siruseri IT Park, Chennai, presided. **Mrs Sujatha Maran,** CEO/ACET, and **Dr A Devaraju** Principal/ACET, also addressed the gathering. Events like Paper Presentation, Project Presentation, Circuit Debugging, Technical Quiz were conducted. Yet another one-day National Seminar on **"Indian Revolution of 3D printed Satellite design for Space Applications"** was organised on **22nd Sep 2017**. The Chief Guest **Dr Srimathy Kesan,** Indian Ambassador coordinator for NASA & Russian Space Centre, and also Founder/CEO of Space Kidz India, Chennai and **Dr K Sakthisudhan** Convener, HOD/ECE presided and shared experiences in the design of "Kalam-1 Satellite Creation" and also explained about "Near Space Vehicle" to read the air quality, altitude, gases around near Space etc.

• **ISF** at Dept of ECE, **Muthayammal Engineering College (MEC), Rasipuram (G00343)** in association with **Sinetec Technologies, Coimbatore**, organised a one-day workshop on "**ADS and Multipurpose Lab Station**" on **Sep 8, 2017**. The objective of this workshop was to give working knowledge of Keysight Advanced Design System (ADS) software. It provided knowledge on handling Measuring Instruments "Multipurpose Lab Station" which is used in most of the Engineering Industries to make precise

Participants of the Workshop

measurements. Dr J Rangarajan, Convener, Professor/ECE, welcomed participants. **Dr G Selvakumar,** Dean/Electronics delivered the welcome address. **Dr S Nirmala,** Principal of Muthayammal Engineering College delivered the Presidential address. Dr J Rangarajan and V Rajkumar distributed the participation certificates and vote of thanks was proposed by Prof T Kowsalya, HOD /ECE. The **ISF** also organized a one-day workshop on **"Sensor Networks and IoT"** on **Sep 23, 2017**. Prof T Kowsalya HoD/ECE introduced the resource person **Shri R Thirukkumaran,** Technical Head, SAT Technologies, Chennai. **Dr J Rangarajan,** Prof/ECE/MEC, explained the concept of **Internet of Things (IoT)** with examples. 80 members participated. The **ISF** Dept of ECE, CSE and IT of MEC, organized Hands-on Training in IOT – **"A Pathway to Smart City Implementation"** from **Oct 5-7, 2017**. The Chief Guest was **Dr Vimalathithan Rathinasabapathy,** Director, KRISHTEC R&D (5G), Coimbatore. The lecture was attended by 30 ECE students, 38 CSE students and 13 IT students. The objective of this hands-on training was to give working knowledge in IoT, which allowed objects to be sensed or controlled remotely across existing network infrastructure.

Awards & Achievements

Dr D Tumati Venkateswara Rao (F-191928), Chairman, IETE Vijayawada Centre, presently working as Prof & HoD/ECE at Sir C R Reddy College of Engineering, ELURU, WG Dist (AP), received his **2nd PhD degree** from JNTU, Kakinada, on the thesis entitled, **"Analysis of Compact Notch Band Antennas with defected Ground Structure for UWB Applications"** in Electronics And Communication Engineering. His first PhD degree was from Acharya Nagarjuna University (ANU), Guntur. **IETE congratulates him.**

Dr S Lakshminarayana (F-169862) has been elected as **Fellow of Andhra Pradesh Akademi of Sciences- FAPAS for the year 2017 in IT and Computer Sciences area**. This is an honour given to a person in Academics, R&D, Industry and Government, who is a native of Andhra Pradesh and working by profession anywhere in India or an Indian citizen working in Andhra Pradesh by profession at the time of election and who has made outstanding contributions in S&T and continues to be actively engaged in his field. Dr S Lakshminarayana is Principal Scientist at CSIR National Institute of Oceanography, Vishakhapatnam. Taught 5 years at Department of Computer Science and Systems Engineering for UG and PG programs. He is a recognized guide for doctoral programs at JNTU, Hyderabad and Kakinada. His professional interests are Search Engines, Web algorithms, Data Mining and Natural Language Processing. **Congratulations to him!**

Dr Hemant Rambhau Deshmukh (F-237083) one of the Executive Committee members from IETE Amravati Centre, has been elected as **Senate member of the Sant Gadge Baba Amravati University, Amravati.** He is elected from amongst the ten Engineering Teachers' category. **Congratulations to him!**

Inspiring IETE Woman Achiever

Ms Anupama Chopra (F-500724) is a leading expert in M2M (Machine to Machine) Communication software. Her strength is her indepth knowledge of the M2M common services like Device Management, Registration, Security and Notification in the M2M devices and applications. She is presently leading the design and development of a multiuser and service independent C-DOT Common Service Platform (CCSP) for M2M communication, which is based on one M2M - the global standards for M2M/IoT. Under her leadership, the C-DOT M2M team made several contributions to oneM2M specifications in the Architecture, Security and the Protocol Working Groups of one M2M. She along with her team has been representing India in various one M2M Face to Face Technical Plenary meetings and Interoperable testing events held in S. Korea, Japan, France, and Taiwan and in Bangalore, performing testing of CCSP with products from various International companies. She is also a member of M2M working Group of the Telecom Engineering Centre (TEC), Department of Telecommunication, where she has significantly contributed in the Technical reports (TR) on the Gateway and Architecture, M2M Numbering and Addressing and the M2M Safety and Surveillance. She is amongst the primary authors of the TR on M2M Gateway and Architecture.

"A systematic approach to architecting solutions" is the key to successful delivery of products that meet International standards within time and resource constraints. This involves diving deep into the problem, identifying the various building blocks of the solution, a stepwise development approach, with a strong delivery focus, while maintaining a fine balance between the 'feasible' versus the 'ideal' solutions.

– Ms Anupama Chopra

A postgraduate in Computer Science from ICSEI – DAVV (Indore), she has been working on cutting edge telecom technologies at C-DOT since 1994. She has been responsible for implementation of various features like Multiple Enhanced Announcement (MEAC) cards, Traffic monitoring, charging, billing in C-DOT MAX (Main Automatic Exchange) switches and implementation of the Administration Software in C-DOT's MSC (Mobile Switching Centre). She also designed C-DOT's GPRS nodes i.e. SGSN and GGSN (Serving/ Gateway GPRS Support Nodes). She lead the Data Clearing House (DCH) project of C-DOT. To address the need for the Telecom related security solutions, she took up the design and development of Telecom Intelligence Manager System. During her tenure in C-DOT, she has been awarded many individual and Group awards for outstanding performance. She got the divisional Group award in 1997-98. She also got Divisional Individual Award in year 1998-99 and in 2002-03. In 2003-2004 she was given Divisional Individual Award for GSN – BU (GPRS Service Node – Business Unit). In 2007-08, she was given Individual award for Outstanding Performance for the DCH Services.

IETE FINISHING SCHOOL FOR ELECTRONICS, TELECOM & IT ENGNEERING GRADUATES

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*Last date of Submission of Application form: 20th December

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Course Fee: INR 25,000/-

Entrance Test Fee: INR 500/-

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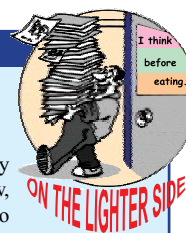

MY FOOD HABITS

Prof S C Dutta Roy
Distinguished Fellow of IETE

I go out of Delhi frequently on honorary assignment like curriculum review, selection committees and lectures, to premier institutions in India. Mostly I fly by Air India and stay at five-star hotels or in the institute guest houses. In Air India, I ask for bland food, which is spice-less, less oily and chilli-less. Sometimes I get it, but many a times, I have to hear "Sorry, Sir, the caterers have not supplied your choice". In those cases, I have to be content with the salad and sweet dishes, and a bun, if there is any. I cannot take the rice also, because by the time the food is served, it is all soaked in oil and spicy gravy. To my hosts, I send the following poem detailing my food habits, but often the food served is otherwise – full of oil, spices and chilli.

I cannot take such food, because they are not tolerated by my stomach. You must remember that I am a senior citizen and the tolerance limit of the stomach decreases almost exponentially with age. When I do not get food of my choice, I have to make do with plain chapati, roti, salad, curd, if available, and sweet dishes. So, Fellow academicians, if you wish to invite me for any reason, read the poem carefully and go by it.

Now the poem:

Chilli and esseedeer!
Do not, at all, go together!
Please my host, dear
Instruct in terms very clear
That the food served to me should have no chilli
Neither should be very spicy nor oily.
Plain chapatti and plain rice
With boiled vegetables and sweet curd
Arranging that should not be absurd.
One or two pieces of fish,
I would of course relish.
That is all for now, in terms of literary adventure
Perhaps more will come in future.

I think before eating.

ON THE LIGHTER SIDE

Call For Papers

iici-18
1st IETE INTERNATIONAL CONFERENCE INDIA-2018 (IICI-2018) ON
TECHNOLOGICAL ADVANCES & APPLICATIONS IN IOT, DATA ANALYTICS, BIG DATA & 5G
MAY 2-4, 2018, BANGALORE, INDIA

IETE is organizing its 1st International Conference *iici*-18 on "Technological Advances & Applications in IOT, Data Analytics, Big Data & 5G" during 2-4 May 2018 in Bangalore, India. This International Conference attempts to string together three very highly topical technologies which are creating waves in technology domain, viz. Internet of Things including Industrial IoT and Machine to Machine Communications; Data Analytics & Big Data including the large data generated by the advent of IoT and taking advantage of it using Data Analytics and finally "in the making" new Wireless Standard 5G, which will have special architecture for IoT. These three are independent technologies in their own right, but also feed one other to make the whole system meaningful and efficient. Hence, the conference attempts to look not only at each individual technologies and their new developments but also closely the interplay and benefits at the system level.

Leading Internationally renowned experts will be participating in the conference sharing their expertise in their domains in the Pre-Conference Tutorials and also in the Plenary/Invited Talks sessions. *iici*-18 is going to be a technically rich and rewarding opportunity.

CALL FOR PAPERS:

iici-18 solicits unpublished, original research and application papers from practicing professional, academicians, researchers, industries including startups working in these domains.

Topic areas include, but are not limited to:

IOT:
- Real World Applications of IoT technology.
- Interoperability of IoT Systems.
- Identification and Authentication Issues.
- Mobile Cloud Computing (MCC) and IoT.
- Industrial IoT Convergence.

Data Analytics, Big Data
- Big Data Applications for Internet of Things
- Algorithms for Big Data, Security & Privacy in the Era of Data Science & Big Data.
- Mobile Applications of Big Data.
- Machine Learning
- Big data and IoT Data Analytics.

5G:
- 5G Standards
- 5G Mobile in the Development of IoT, Big Data
- 5G backbone, SMAC (Social mobility analytics cloud),
- NFV, Network Slicing, SDN
- 5G Wireless with Cognitive Radio and IoT.
- 5G End-to-End Performance Evaluation and Testing.

Paper Submission:

Prospective authors are invited to submit their original Full Papers by e-mail to iiciblr2018@gmail.com. The papers should be in standard IEEE format. Please include Title of the paper, Author(s) Name & affiliation(s), e-mail ID for correspondence and highlight the key research contributions, applications & results obtained in summary.Peer Reviewed and selected papers will be published in the iici-2018 Proceedings.

Important Dates:
- Submission of full length paper :   15th Jan 2018
- Notification of Acceptance/Rejection :   28th Feb 2018
- Final camera-ready paper submission :   30th Mar 2018
- Registration Deadline for authors :   5th Apr 2018

Pre-Conference Tutorials:

Leading experts in these domains will be conducting tutorials to give an in depth understanding of some of the areas of topical interest.

Sponsorship:
- Platinum Sponsor: Rs 10 Lakhs   • Dimond Sponsor: Rs 7 Lakhs
- Gold Sponsor: Rs 5 Lakhs   • Silver Sponsor: Rs 3 Lakhs

Exhibition:

IICI-2018 gives a great opportunity to showcase your products and services to Managers and Engineers working in this domain. Stalls will be available. Please contact the Organizing Secretary with your requirements.

Souvenir:

A special Souvenir will be published to commemorate the conference. This also gives an opportunity to advertise your organizations, products and services. Please contact the Organizing Secretary for the details.

Contact: All Correspondences to be sent to:

Email: iiciblr2018@gmail.com; **Dr M H Kori:** +91-9342593876, **Prof H S Bhatia:** +91-9243401078, **Shri G Ramesh:** +91-9481379311

OBITUARY

Dr Pawan Kapur (DF-055895), Former Director, CSIR-CSIO Chandigarh, Distinguished Fellow, IETE and a former Governing Council Member breathed his last on 8th Dec 2017.

Dr Pawan Kapur had joined CSIR-CEERI, Pilani in April 1975, where he rose up to the level of Director Grade Scientist & Group Leader, Agri-Electronics Group. He carried out significant Research work in the area of Electronic Instrumentation and Control Systems for various agro-based industries like sugar, tea, mushroom cultivation, food/beverage, storage, electronic nose, etc. and developed several technologies and transferred them to industry for commercialization. In Oct 2004, he took over the reins of CSIR-CSIO, Chandigarh as its Director and remained up to Dec 2012. He restructured CSIO and set up several R&D infrastructure/facilities of national importance namely: Agri-Electronics Lab, Analytical instrumentation & Food Characterization Lab, Optical Metrology Lab, Photonics Lab, Bio-medical Engg Lab, Computational Instrumentation Lab, etc. Dr Kapur's areas of specialization were intelligent instrumentation, process automation, soft-computing, bio-medical engineering, modelling and simulation and electronic perception analysis.

Dr Kapur had contributed significantly towards the growth of IETE for more than 3 decades from Pilani and Chandigarh. His contribution to overall growth of Institution of Electronics and Telecommunication Engineers (IETE) as Governing Council Member, Chairman of various Committees and a mentor to IETE Chandigarh and its associated Sub-Centres are of great importance. A recipient of several top awards, Dr Kapur had over 100 research papers to his credit. Besides, he guided over 50 students in their dissertation apart from having four patents, six products and four book chapters to his credit.

A very fine human being, he will be deeply missed by the entire IETE family. We extend our heartfelt condolences to his wife, and other family members. May his soul rest in peace.

Call for Nominations for IETE Awards-2018

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

The Call for Nominations is now open for the year 2018.

Nomination Submission Deadline: IETE Main Awards and IETE Corporate Awards: May 31, 2018.

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

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

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

IETE AWARDS

IETE MAIN AWARDS

➢ IETE - Ram Lal Wadhwa Award – (Electronics and Telecommunication Engineering)

➢ IETE - Hari Ramji Toshniwal Award –(Electronic Instruments and related Systems)

➢ IETE - Bimal Bose Award –(Power Electronics)

➢ IETE - Lal C Verman Award –(Standardization, quality control and precision measurements)

➢ IETE - IRSI (83) Main Award & IETE - IRSI (83) Young Scientist Award – (Radar Science & Technologies)

➢ IETE - Flt Lt Tanmaya Singh Dandass Memorial Award-(Avionics)

➢ IETE- Prof K Sreenivasan Memorial Award– (Teaching in electronics and telecommunication engineering)

➢ IETE - Prof SVC Aiya Memorial Award – (Electronics and Telecommunication research work)

➢ IETE - Prof S N Mitra Memorial Award- (Radio broadcast science and technology)

➢ IETE-CEOT Award (Biennial)- (opto-electronics covering materials, devices, circuits, technologies, systems & applications)

➢ IETE - B V Baliga Memorial – (Electronics and Telecommunication with emphasis on R & D and industrial development)

➢ IETE - N V Gadadhar Memorial Award – (Electronics and Telecommunication Engineering with emphasis on Mobile Radio Communication)

➢ IETE - B R Batra Memorial Award – (Selfless service to the cause of the IETE)

➢ IETE - R S Khandpur Award – (Medical Instrumentation)

➢ IETE – Brig M L Anand Award- (Applications of networking and internet)

➢ IETE - Biman Behari Sen Memorial Award – (Electronics and Telecommunications with emphasis on R & D and industrial development)

➢ IETE-Life Time Achievements Award – (Electronics, Telecommunication & allied fields)

➢ IETE- Smt Manorama Rathore Memorial –(Electronics and / or Communication)

➢ IETE- Smt Ranjana Pal Memorial Award – (RF Communications, Electromagnetic, Antennas, Microwaves Circuits, Devices etc.)

➢ IETE-Smt Triveni Devi Gupta Memorial Award – (Electronics, Telecommunications, Medical Electronics, Broadcasting, IT, ICT, E-Governance, Computer Technology, RF, e-Education, Electrical Technology).

➢ IETE-Technomedia Award- (Electronics and Telecommunication, Computer Science, Information Technology Engineering)

➢ IETE- Shri Devi Singh Tyagi Memorial Award – (Avionics).

➢ IETE-Shri P P Malhotra Memorial Award- (Electronics industry /academia)

IETE CORPORATE AWARDS

In the categories of Large Enterprises (LEs), and Micro/Small/ Medium Enterprises (MSMEs) in each of the following areas:

➢ Electronic Components.

➢ Computer and Telecommunication Systems.

➢ Development of Software.

➢ Electronic Instruments and Instrumentation.

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

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Prof (Dr) KTV Reddy, President, IETE and Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd), Past President IETE with the editorial teams of IETE Journals