

IETE

NEWS LETTER

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FROM PRESIDENT'S DESK



Dear Members,

The 48th Mid Term Symposium of IETE on the theme “The Internet of Everything (IOET-2017)” was organized on 8th-9th Apr 2017 at the sprawling and beautiful campus of PSIT Kanpur, with encouraging response and involvement of participants. The grandeur of the occasion was enhanced by the presence of Shri Ram Naik, Hon’ble Governor, Uttar Pradesh and Prof (Dr) Vinay Kumar Pathak, Vice-Chancellor of Dr Abdul Kalam Technical University, UP. The programme also included 44th Vikram Sarabhai Memorial Lecture delivered by Prof A K Chaturvedi, Director IIT Roorkee Uttarakhand, which was inspiring and thought provoking. I congratulate IETE Kanpur Centre, its Executive Committee members and PSIT Kanpur for the excellent arrangements in the conduct of IETE’s flagship event.

IETE Students’ Day and IETE Women’s Day– the other two prominent events were celebrated widely all over the country by many of our Centres. A brief report on the activities held at various Centres is covered in this issue. Here, I would like to compliment Shri C K Haridas, South Zone Coordinator & Dr G Murugesan, Chairman Erode Centre, in successfully organizing a Tech Fest-2017, including ISF Congress & Zonal Chairpersons’ Meet on 17th-18th Feb 2017 at Kongu Engineering College, which was greatly appreciated. The discussions at seminar on “Digital India” were very informative and meaningful; while IETE Chairpersons’ Meet gave an opportunity to the Chairpersons of IETE Centres in South Zone to address various issues for mutual benefit. I am sure that such interactions would help us develop collaborative working in future.

Our Publications Committee has been very productive this year. Our journals have a rising impact factor. The collaborators and contributors to our publications, especially the editorial teams, have always been working hard to make the peer review process as efficient as possible and at the same time maintaining its high standard. We are continuously trying to reduce the turnaround time for the benefit of our authors. I thank each of our authors who publish in our journal and the editors for timely manuscript reviews, to keep our journals fresh and dynamic.

Friends, it is with profound sadness that I inform about the sudden passing away of two inspiring stalwarts of IETE last month, viz. Maj Gen Prem Prakash, DFIETE on 18th Feb 2017 & Maj Gen Yashwant Deva, Past President, DFIETE on 17th Mar 2017. IETE conveys heartfelt condolences to the bereaved families.

Recently AICTE issued a Public Notice on 10th Apr 2017 seeking within 30 days some pertinent information from the professional bodies/ technical institutions whose recognition has been withdrawn w.e.f June 2013 by the MHRD. In compliance with the aforesaid notice, IETE had meticulously prepared its response and submitted it well in time. We are all hoping for a positive outcome.

Jai Hind!

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

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IETE HQs, New Delhi



News from Headquarters

IETE 48th MTS on “The Internet of Everything (IOET-2017)”

Wireless Communication Technologies have revolutionized the way we interact, work and perform. With 5G scenario looming ahead on the horizon, it will pave the wave for ushering in the world of interconnected devices, called IoT. To capture the impact of this mind-boggling pace of change, where co-existence of human-centric and machine-type applications would lead to large diversity of communication characteristics, IETE held this year’s Mid-Term Symposium from 8-9th April on the topic, ‘**Internet of Everything**’ at Kanpur.

The event was organized by IETE Kanpur Centre at Pranveer Singh Institute of Technology (PSIT) Kanpur in an intellectually stimulating environment for interchange of ideas. The event was a resounding success where delegates, students, teachers and experts fruitfully interacted to understand implications of this life-changing technology.

The Chief Guest **Shri Ram Naik, Hon’ble Governor of Uttar Pradesh**, inaugurated the symposium by lighting the lamp and released the souvenir. **Prof (Dr) S N Singh**, Chairman IETE Kanpur Centre and Chair Prof, Dept of EE, IIT Kanpur, welcomed the audience and informed them about the activities and accomplishments of IETE Kanpur Centre. **Prof (Dr) KTV Reddy**, Chairman Technical Programmes & Publicity Committee and Director PSIT, introduced the theme and gave details of technical sessions planned. The Guest of Honour, **Prof (Dr) Vinay Kumar Pathak**, Vice-Chancellor, Dr Abdul Kalam Technical University, UP, accentuated the overhauling efforts being done in the education system of UP with the support of Hon’ble Governor of UP, who is the Chancellor of AKTU. He talked about their endeavour towards making the university fully technology enabled. He was very positive about the consequences of IoT in the fields of healthcare and agriculture but he also expressed his apprehension on effects of IOT in the domains of security and energy resources. He highlighted the challenges in the domain of internet and digitalization.

President IETE, **Lt Gen (Dr) AKS Chandele, PVS, AVSM (Retd)** expressed his gratitude to PSIT & IIT Kanpur for its positive support in conduct of IETE meetings & the Symposium. While highlighting the IETE’s role in nation building, he exhorted the students to seriously consider careers in Armed forces and becoming proficient in cutting-edge technologies. **Shri Pranveer Singh**, Chairman, PSIT, highlighted the world-class infrastructure at the campus made possible via deployment of digital technologies

The Chief Guest **Shri Ram Naik, Hon’ble Governor of Uttar Pradesh**, lauded the progress of science & technology in the

country by virtue of which everybody has a mobile today. Though internet and new technologies have abridged the world today but he said that it has created distances between the members of a family. Internet of Everything, he said, would realize the dream of *Make in India & Digital India*. He recommended few simple tips for students to forge ahead in life, which were: to smile and smile always; praise good work done by others; not to disrespect others and to strive to do better in any work assigned.

Prof A K Chaturvedi, Director, IIT Roorkee, delivered an inspiring **44th Vikram Sarabhai Memorial Lecture on “Technologies for Future 5G Wireless Communications”**, whose commercial deployment in coming years would entail use of carrier frequencies with large bandwidths to enable a seamless user experience providing 1000 times faster data rates provided by 4G. He explained disruptive design approach comprising of smart cars, smart devices, e-Health, connected homes, machine-to-machine communication, massive MIMO - unleashing a host of useful social applications.

In his Invited talk, **Prof (Dr) Sandeep K Shukla**, Head of Computer Sciences, IIT Kanpur, on “**How Safe are our critical infrastructures from cyber attacks**” elucidated threats to critical infrastructure via cyber attacks. He cited malware-attacks that caused Ukraine-blackout in December 2012 and last year’s compromise of 3.2 million Indian debit-cards. He cautioned about Darknet and use of TOR browser for illegal activities.

The four technical sessions were spread over two days. Track-I - “**IOET Enabled Technologies and its Applications**” chaired by **Prof (Dr) V Guna Sekhar Reddy, Vice President IETE**. The Invited speaker **Prof Y N Singh** from IIT, Kanpur explained the issues involved in Peer-to-Peer communications using IOT technology. **Col Mahesh Khera (Retd)**, Indian Chief of Strategy & Business, International Cell, Avast, US, highlighted Industry perspective on IOET-Security of devices including focus on the parental controls and Cloud to secure & manage all connected devices.



Dignitaries at the inaugural session

Track-II - “**IOET Enabled Technologies and its Applications (Cont)**” was chaired by **Prof (Dr) M Basavaraj**. In this session the invited speaker **Prof C Murali**, Vice President, IETE, while talking about IOT and cloud computing, explained new concept of USN, *i.e.* Ubiquitous Sensor Network that would assist in environment monitoring, providing e-learning, and telemedicine. **Lt Gen (Dr) Rajesh Pant** PVSM, AVSM, VSM (Retd) in his talk on ‘Cyber Security: Need for Holistic Health’, emphasized the need for preparing an army of youngsters who specialize in ethical hacking.

Track -III(a) - on “**IOET for Solving Global Problems**” was chaired by **Mrs Smriti Dagur**, **Immdt Past President IETE**. **Dr Sujoy Bhattacharya**, Deputy Director, PSIT in his talk succinctly explained the difference between IOT and IOET. He envisaged an era where implanted sensors in our bodies will transmit crucial data to doctors to aid in quick authentic diagnosis. Track -III(b) – on “**IOET for Solving Global Problems (Miscellaneous)**” was chaired by **Shri V K Gupta**, Member, IETE Governing Council.

This session featured a number of selected contributory papers by students.

Each technical session was followed by presentation of selected contributed papers by scholars.

The Chief Guest for the valedictory session **Ms Shefali Raj**, Managing Director, PSIT, Kanpur, lauded the proceedings of the event and gave away certificates and mementoes to the various PSIT Committees during the session. Smt Smriti Dagur, Session Chairperson expressed her observations on presentations covered during all the technical sessions. Vote of thanks was proposed by **Maj Gen P K Jaggia, VSM (Retd)**, Secretary General, IETE.

The symposium also featured a musical evening by Rahmat e Nusrat Qawwali Group, which rendered beautiful Punjab & Pakistan qawwalis, gazals and kalams of sufi musicians like Amir Khusro and Indian classical vocalists & mystic poets - Ustad Iqbal & Kabir. The performance was highly applauded.

Glimpses of 48th MTS-2017



21st Sir C V Raman Memorial Lecture 2017

21st Sir C V Raman Memorial lecture was held at IETE Bangalore Centre on 28th Feb 2017. The Chief Guest **Prof C S Stalin**, Indian Institute of Astrophysics, Bengaluru, delivered the memorial lecture on “Multi - Wavelength Astronomy: From Ground and Space”. Chairman, IETE Bangalore Centre, **Shri G Ramesh**, welcomed the audience. **Dr M H Kori** gave background about memorial lecture and introduced the chief guest. **Prof C Murali**, Vice-President, IETE present on this occasion, delivered the presidential address. **Prof HS Bhatia**, Honorary Secretary of IETE Bangalore Centre, proposed vote of thanks.



The speaker Prof C S Stalin (2nd from left) on the dais with other dignitaries

IETE South Zone Seminar, ISF Congress, Chairpersons' Meet –ISTF2K17 held at Erode

The IETE South Zone Seminar, ISF Congress and Centre Chairpersons' Meet were conducted on 17th -18th February 2017 at Kongu Engineering College, Perundurai, Erode. These events were organized under dynamic leadership and guidance of **Dr G Murugesan**, Chairman Erode Centre and **Sri C K Haridas**, South Zone Coordinator, assisted by the team of IETE Erode Centre. Chairpersons and other dignitaries appreciated the arrangements made by the management of Kongu Engineering College.

The mega event was inaugurated by **Lt Gen (Dr) A K S Chandele, PVSM, AVSM (Retd)**, President IETE, who emphasized the importance of exploring social media to develop vocational skills. He pointed out the necessity of exploring the possibilities for commencing additional courses that could be undertaken by IETE Centres. Short- term courses like Cyber Security or GIS data collection works were recommended. Taking up of NIELIT courses independently or leasing out of infrastructure by IETE Centres was also suggested. During the seminar on 18th Feb 2017, President IETE stated the significance of “**Digital India**”, the dream project of Prime Minister of India and highlighted role of IETE in this mission. **Shri S Varadarajan**, former Director LRDE & Defence

Institute of Advanced Technology, Pune was the Chief Guest for seminar, who highlighted the advancements in Digital Radar Technology. **Thiru A Venkatachalam**, Correspondent, Kongu Engineering College, presided over the inaugural function. **Prof S Kuppuswami**, Principal of KEC, Prof C Murali, Vice President IETE and Sri C K Haridas, South Zone Coordinator, delivered felicitation speeches. It was a grand function with more than 1000 ISF students, faculty members, invited guests and other VIPs. The techno-managerial events such as Paper Presentation, Project Presentation, Quiz, Line Follower, Circuit Debugging, Multi-media etc. were conducted for the ISF members. The certificates and awards were presented to winners by President IETE.

Ten out of 18 Centres in south zone participated in the 2nd **Chairpersons' Meet** which was quite interactive and fruitful. **Shri C K Haridas**, South Zone Coordinator, delivered the welcome remarks. Various issues were discussed. President IETE intimated the present position of IETE court case and suggested some programs such as Cyber security courses, GIS, tie up with NIELIT etc. as an alternatives/supporting activities to be taken up by Centres. **Prof C Murali**, Vice President IETE was also present in the meet.



New Members of IETE enrolled/upgraded during Jan-Apr 2017

S.N.	MEM	CAT	NAME	S.N.	MEM	CAT	NAME	S.N.	MEM	CAT	NAME
1	111020	AM	Kakad, Amit Shankarrao	46	500575	AM	Palniladevi P	91	500620	M	Ghosh, Meghdoot
2	130045	AM	Tale, Swapnil Ajabrao	47	500576	AM	Induja P	92	500621	M	Thavasi Raja G, Dr
3	148068	AM	Verulkar, Nilesh Mohan	48	500577	AM	Vijay Gokul S	93	500622	M	Suchitra G, Dr
4	158510	AM	Deshmukh, Snehal R	49	500578	AM	Kirubakaran, G	94	500623	M	Manjula, S M, Dr
5	165617	AM	Hande, Kranti M	50	500579	AM	Venkatesh Babu, S M N,	95	500624	M	Sunil Kumar
6	174596	AM	Ambalkar, Rahul Ramesh	51	500580	AM	Trinadh, R	96	500625	M	Lakshmi Manikyamba, I
7	189092	AM	Chavhan, Pranali P,	52	500581	AM	Nadella, Lavanya	97	500626	M	Gupta, Chandra Prakash
8	198545	AM	Ingle, Mahesh Tulshiram	53	500582	AM	Sireesha J	98	500627	M	Sharma, Ashok Kumar
9	198905	AM	Pathak, Kaustubh Udayrao	54	500583	F	Behera, Sribatsa, Dr	99	500628	M	Jaya Prakash, Ch
10	202272	AM	Patil, Manjusha Manikrao	55	500584	F	Ghosh, Debalina, Dr	100	500629	M	Ajay Kumar, D
11	500163	AM	Padol, Abhijit P.	56	500585	F	Sethu Selvi, S, Prof	101	500630	M	Hundi, Sudhakar
12	500540	AM	Ghodeswar, Vaibhav Ashok	57	500586	F	Raghavendra C G	102	500631	M	Ravikumar, Ch
13	500541	AM	Tayade, Manishkumar M.	58	500587	F	Patel, Mitra Kumar	103	500632	M	Satish, R
14	500542	AM	Labade, Nishant Waman	59	500588	F	Jain, Rajiv	104	500633	M	Vurla, Veeraju
15	500543	AM	Choudhary, Pratik Wasudep	60	500589	F	Kapoor, Kapil	105	500634	M	Lakshmi Narayana K
16	500544	AM	Bhuskute, Swapnil Suresh	61	500590	F	Mahajan Jyoti, Dr	106	500635	M	Radha, K
17	500545	AM	Dorale, Piyush S	62	500591	F	Saravanan, A S	107	500636	M	Shaik, Rahimunnisha
18	500546	AM	Deshmukh, Shweta A	63	500592	F	Mohan V, Dr	108	500637	M	Srilatha, G,
19	500547	AM	Dhoot, Shradha S.,	64	500593	F	Sriram Kumar D, Dr	109	500638	M	Miranji, K
20	500548	AM	Sharma, Pragati Kailash,	65	500594	F	Srinivas, C., Cmde	110	500639	M	Ranjith Kumar, V
21	500549	AM	Deshmukh, Ravikiran G	66	500595	F	Chandrsekaran V, Dr	111	500640	M	Bhaskar Yelamolu B N V
22	500550	AM	Nimat, Prabodh Subhashrao	67	500596	F	Sonkar, Ramesh Kumar, Dr	112	500641	M	Srinivasulu, P
23	500551	AM	Pote, Roshan Madhukarrao	68	500597	F	Ranga Nayakulu S V, Dr	113	500642	M	Ravi Kumar, M
24	500552	AM	Shelke, Parag Kashiram	69	500598	F	Sudha Rani, S.	114	500643	M	Suneetha, N
25	500553	AM	Sharma, Ashwini Gajanan	70	500599	F	Hemalatha, I	115	500644	M	Greeshma, M
26	500554	AM	Deshmukh, Sagar Rajendra	71	500600	F	Mishra, Santanu Kumar, Dr	116	500645	M	Lavanya, K
27	500555	AM	Mawale, Kshitij Ravindra	72	500601	F	Singh, Inder Jeet	117	500646	M	Vamsikrishna, A
28	500556	AM	Sawalkar, Vaibhav P,	73	500602	F	Lal, Vivek, Cdr	118	500647	M	Ram Kumar, A
29	500557	AM	Indurkhya, Sanyam	74	500603	F	Krishna Kumar S	119	500648	M	Sasi Bala, P
30	500558	AM	Basu, Amlan	75	500604	M	Rajput, Kavishwar K	120	500649	M	Narendra Kumar, M
31	500559	AM	Shelly, Siddarth, Dr	76	500605	M	Hasabnis, Prasanna M, Dr	121	500650	M	Surendra Babu V
32	500560	AM	Aravindhan, E	77	500606	M	Kasliwal, Niraj N,	122	500651	M	Sherwani, Kashif
33	500561	AM	Roy Chaudhuri, Suman	78	500607	M	Patil, Deepawali Prakash	123	500652	M	Satheesh C
34	500562	AM	Udayabhaskar, P	79	500608	M	Mhaske, Santosh S	124	500653	M	Kiran Kumar, G
35	500563	AM	Jacob Silva Lorraine, K	80	500609	M	Harsha, A	125	500654	M	Patel, Dhara Pinkesh
36	500564	AM	Hareesh Pancheti	81	500610	M	Sunayana	126	500655	M	Lakshmi Narayana, D
37	500565	AM	Chandrasekhar, K	82	500611	M	Varshney, Swaraj	127	500656	M	Rupa Ch, Prof
38	500566	AM	Vamsi Sudheera, V	83	500612	M	Parimala, Prabhakara	128	G00524	ORG	Coimbatore Institute of Technology
39	500567	AM	Sowmithri, P	84	500613	M	Srinivas Babu P	129	G00525	ORG	R M D Engineering College
40	500569	AM	Vishnu Vardhan, G	85	500614	M	Upadhyay, Prabhat Kumar, Dr	130	G00526	ORG	R M K Engineering College
41	500570	AM	Swathi, N	86	500615	M	Sharma, Narendra Kumar, Dr	131	G00527	ORG	Maharashtra Inst of Technology
42	500571	AM	Swathi, V.,	87	500616	M	Ravindrakumar, B	132	G00528	ORG	R M K College of Engineering and Technology
43	500572	AM	Rajalakshmi, E	88	500617	M	Kalidoss K	133	G00529	ORG	Mar Baselios Institute of Technology and Science
44	500573	AM	Aarti Meena, M	89	500618	M	G Ganesan @ Subramanian	134	G00530	ORG	MIR Institute of Technology
45	500574	AM	Gnanalakshmi V	90	500619	M	Kavitha M				

AM = Associate Member

F = Fellow

M= Member

ORG = Organizational Member

Telecom Revolution: Origin and Outcomes

Prof T H Chowdary, DFIETE, Past President of IETE during 1989-90 & PadmaShri awardee, delivered a thought-provoking lecture at IETE HQ on **12th Apr 2017** on the theme “**Telecom Revolution in India**”, which was very well attended. He is known as a tireless crusader with out-of-box ideas. In his talk he highlighted his attempts to end DoT monopoly for ushering operational-efficiencies to realize full potential benefits to society and left the audience spell-bound with interesting facts. For example, he revealed that India grants the least amount of spectrum to operators i.e. 55 MHz as compared to average 92.6 MHz in EU and 138 MHz in France.



He lamented about the awful rules and conditions that stunted the technological deployment in the country in the past and about huge licence fees payable upfront for which Supreme Court had to cancel all 144 licences granted by the Government in 2012. He stated that the spectrum earlier bundled with licences, was later auctioned with high reserve price contributing to companies' mammoth debt of Rs 3,50,000 Cr to banks.

Stating that hyper-competition led to recent merger-phenomenon, when Reliance Jio announced a massive Rs 150,000 Cr investment in network, he advocated that unutilized Rs 47,163 Cr lying in 'Universal Service Fund' be effectively used to address some of the crucial issues.

At the end, audience gave standing ovation to the 86-year stalwart.

IETE Skill Development Update

- To stake a claim in the mission of Skill India, a meeting with **Shri Jayant Krishna**, National Skill Development Corporation (NSDC), Chief Operating Officer, was held on 08th March 2017. IETE Chairman SD&ICC, **Col Balraj Anand** and Secretary General-IETE, **Maj Gen P K Jaggia, VSM (Retd)** put forth IETE's views. The meeting explored the venues for joint working of IETE & NSDC on this mission.
- Under Skill Development programmes, IETE trained 20 students in Information Security (certificate course), 27 students in Cyber Laws, while in LINUX course 20 students were trained. 10 professionals are still pursuing one year post graduate diploma in Information Security since July 2016.
- IETE HQ has submitted applications to NSDC for conduct of various skill development courses at IETE-Karkardooma, IETE-Hyderabad Centre, IETE-HQ and IETE Delhi Centre.

News from Centres

A number of technical activities are conducted /organized by IETE Centres/Sub-Centres every month. Sincere efforts are made to give due publicity to all news received till 10th of the last month of the period of the newsletter. Please ensure that your Centre send its reports by this cut off date so that the events gets published in time.

AHMEDABAD

- **World Habitat Day 2016** on “**Digital India and National Development**” was celebrated by IE (India), Gujarat State Centre in association with IETE, CSI and GESIA on 3rd Oct 2016 at Bhaikaka Bhavan. Theme Speaker was **Dr Sam Pitroda**. Chairman, Shri VK Jain; Hony Treasurer, Shri KK

Mehta and IETE members attended.

- **WFEO-CIC International Seminar** on “**Information Technology for Smart Cities**” by IE(I) at The Fern, Sarkhej Gandhinagar Highway, Ahmedabad was organised on 19th Nov 2016. Corporate members, EC members and Chairman **Shri VK Jain** attended.

• On **IETE Student's Day** on 5th Feb 2017, 50 members including students of IETE & LD College of Engineering, Ahmedabad, EC members and corporate members participated. **Shri VK Garg**, Ex Dy Director, SPTA, Outstanding Scientist SAC/ISRO was the Chief Guest. **Shri VK Jain**, Centre Chairman gave a welcome speech and read out IETE President's message. He delved upon the IoT concept and its advantages to make home and office smart and efficient. A seminar on "**Emerging Opportunities in IoT**" was conducted by **Shri Madhukant Patel**, Mg Dir, Reve Automation LLP & Team. He elucidated facts about IoT, upcoming opportunities and challenges in IoT domain. A case study with live demo of RTO driving license test currently implemented using IoT and project executed at Gift City like tunnel light sensors for polls assessment of power quality monitoring, Bicon for resource management etc was given. About 14 students participated in the quiz competition conducted by Reve Team on IoT & other general topics. **Shri Garg** delivered inspiring speech to students for their career growth. The renowned Antenna Expert **Dr S B Sharma**, Ex Vice Chancellor, Indus University and outstanding Scientist from SAC/ISRO motivated the students for hard work and fundamental study. One IETE student, Nisharg Parikh, explained about his company Microtech Engineering System, under business and entrepreneurship in the electronics field.



Dignitaries during Students' Day celebration

• **International Womens' Day** was celebrated by the Centre on 19th Mar 2017. **Smt Arundhati Misra**, Head-MHTD/EPISA, SAC/ISRO was the Chief Guest, who delivered special talk on "**Remote Sensing System**". She also explained nicely the theme "Be bold for Change". On the occasion IETE Ahmedabad Centre felicitated the IETE qualified woman who completed AMIETE/ALCCS along with their significant contribution for the country's progress and development while serving.



Group photo of IETE Ahmedabad female students & Staff with dignitaries on the occasion

ALLAHABAD

The Centre organized :

- Two workshops on **Humanoid Robotics** on 16th Sep 2016 & 19th Sep 2016.
- **Engineers' Day** on 1st Oct 2016. **Dr S Pal**, former President IETE & Vice-Chancellor, Defence Institute of Advanced Technology, Pune, was the Chief Guest.
- **IETE Foundation Day** was organized on 9th Nov 2016. **Prof K K Bhutani**, Director, UPTECH, was the Chief Guest.
- A seminar on **Railways Signalling** on 29th Jan 2017. **Dr Khare**, Sr Prof/JK Institute, University of Allahabad, was the chief guest and **Shri Arun Saksena**, GM NCR & **Prof KK Bhutani**, Dir, UPTECH Allahabad, were the Guests of Honour. During the deliberation, Shri Saksena gave relevant points on Railway Signaling course, proposed to be started from July.



Guests during seminar

- A **Student Awareness Programme** for Railway Signalling Course was conducted on 20th Feb 2017 by **Er P P Goel**, Ex Chief Engineer Railway Electrification (CORE).

- A seminar on **Wireless Communication System Design** was conducted in association with Shambhunath Institute of Engineering & Technology. Prominent speakers were **Dr Rajneesh Srivastava**, Assoc Prof, AU Allahabad, **Dr S Jit**, Prof & Head ECE, IIT- BHU, **Dr Shekhar Verma**, Prof & Head IT, IIIT Allahabad and **Shri Gaurish Tripathi**, Jt Director DRDO, Lucknow.

IETE – AMITY UNIVERSITY NOIDA

- The Sub-Centre organized 14th Annual National Telecom Seminar ‘**TELEFOCUS**’ – “**The Internet of Things & Its Impact on Society**” on 20 Jan 2017. **Dr RS Sharma**, Chairman TRAI, was the Chief Guest. IETE President **Lt Gen(Dr) AKS Chandele**, **PVSM, AVSM (Retd)** graced the occasion as guest of honour. 60 participants attended.



14th Annual National Telecom Seminar in progress

- On **IETE Students’ Day** celebration, the Sub-Centre organized a **Quiz contest** at Amity University Campus. The function started by reading out the message from President IETE. Winners were awarded prize and certificates by **Lt Gen PD Bhargava**, Gp Dy Vice Chancellor and Advisor AITEM, on 2nd Feb 2017. 60 ISF members attended.

BANGALORE

- A one-day workshop on “**Quality Awareness and Management**” was organized by the Centre for the benefit of industries and R&D Centres on 19th Feb 2017. **Shri GN Sridhar**, Gorur Consultancy, was the faculty and **Shri P Sudarshan Rao** was the Course Director. Hony Treasurer, **Shri AB Srinivasan** welcomed participants. Inaugurating the course, Centre Chairman, **Shri G Ramesh** spoke of importance of such courses to Industry and R&D centres. The workshop covered various aspects of quality implementation, control, assurance techniques and key quality standards used in industries. It was

attended by over 60 participants including 44 delegates from public and private industries, R&D institutions, engineering colleges and students. **Shri C Krishnamurty**, former GM (QA), BEL, was the Guest of Honour. A book authored by him, entitled “*Quality Management, Principles and Some Practices*” was released during the occasion and distributed to participants. The workshop evoked keen interest from participants and generated lively debates. Several participants expressed satisfaction, shared their experiences and thanked organizers for conducting the course. Course Director informed participants that IETE will be conducting several short-term courses on Quality Assurance and Quality Management, focusing on different technology segments like defence, telecommunication and software. Prof HS Bhatia, Hony Secy, proposed vote of thanks.



Book release during workshop

BHUBANESWAR

- The Centre observed **IETE Students’ Day** on 2nd Feb 2017 in the Auditorium of Gandhi Engineering College, Bhubaneswar. Along with it, enrollment of engineering degree students for ISF was taken up & 101 students were enrolled. The meeting was presided over by **Prof Bijay Kumar**, Principal, Gandhi Engineering College. **Shri Satyananda Naik**, CGM, BSNL, Odisha & Chairman IETE Bhubaneswar Centre, was the Chief Guest who outlined the scope for young engineers in view of the recent developments in field of communication. He advised to upgrade skill-sets & field knowledge to be an efficient engineer. **Shri A K Pahi**, Vice Chairman, IETE Bhubaneswar & GM, BSNL, Odisha, was the chief speaker & narrated recent developments in Telecommunications. **Shri BK Nayak**, Hony Treasurer, IETE, Bhubaneswar & CGM, BSNL delivered talk on Digital India & plans to connect all Gram Panchayats via broadband network. Earlier, there was competition among the students on technical quiz, paper presentation & innovative thoughts. It was conducted by Prof (Dr) PR Tripathy, Prof &

HoD, ECE. Top students were awarded. The meeting concluded with vote of thanks. There were about 800 participants from students, professors, faculty, press & media.



Dignitaries on dais during IETE Students' Day celebration

CHANDIGARH

- The Centre celebrated **IETE Students' Day** on 13th Feb 2017 at Chandigarh Engineering College, Landran, Mohali. During the event, a technical quiz was organized. 15 teams participated, where the first prize was won by Maharishi Markendeshwar University. Second & third prizes were won by Chandigarh Engineering College, Landran. ISF Coordinator **Dr Parveen Singla**, **Dr Harpal Singh**, **Mrs Ritu Sharma**, **Ms Chanpreet Kaur** and the Campus Director **Dr JS Khattrra** of CEC Landran, were present and appreciated efforts of IETE Chandigarh Centre for upliftment of students.



Quiz winners being felicitated

- A **technical workshop** on TINAPRO Software was organized at Dept of EICE, MM University, Sadopur, Ambala, on 7th Mar 2017. TINAPRO is toolkit for Interactive Network Analysis. Students gained knowledge via interactive session with the expert. **Dr Surender Singh Saini**, Hony Secretary and **Ms Navneet Kaur**, Training Co-ordinator, explained uses and future scope of this software. The main objective of this workshop was to make the students learn PCB designing and

simulation through software. **Prof Raman Gupta**, Registrar, presented memento to Honorary Secretary.

- The Centre organised a one-day workshop on "**Internet Awareness and its uses**" on 18th Mar 2017 especially for students, house wives and senior citizens. The main focus of the workshop was to teach internet uses, e.g online payment of bills, Recharge, Internet Banking, e-Commerce, ticket booking, online shopping etc and encouraged/trained participants on 'Cashless Transaction' etc. under the banner of Digital India. The same workshop was also arranged on 25th Mar 2017.

CHENNAI

- The Centre celebrated the **IETE Students' Day** on 24th Feb 2017. Hony Secretary **Dr C Sheeba Joice** welcomed the gathering. Immdt Past Chairman **Shri S Ramaswamy** reiterated the need on students' participation in events such as this for enhanced understanding of the market requirements. He also briefed on the various activities undertaken by the Centre, particularly trainings on skill development program, national seminar, paper contest, workshop, lecture program etc. **Dr M Selvi**, EC Member, gave a lecture on **Li-Fi Technology** emphasizing the burgeoning nature of this technology in various applications. The lecture was received with great enthusiasm. 12 Engineering Colleges participated in poster presentation competition. 60 students participated. The first three prizes were won by Loyola-ICAM College of Engineering and Technology; KCG College of Technology & Panimalar Institute of Technology, respectively. **Shri N Sridharan**, EC Member proposed vote of thanks. The Centre took this occasion to launch their website www.ietechennai.org.



Winners of poster competition

- Shri Swarna Ravindra Babu**, Chairman, **Shri RPB Sundaram**, EC Member, participated in the celebration of **International Women's Day** on 8th Mar 2017, jointly organised

by IETE Chennai Centre & Panimalar Institute of Technology, near Poonamalle. The Chairman spoke on the current challenges, increasing opportunities for women in Electronics & IT Sectors and their role in societal changes.

DELHI

- The Centre conducted a lecture on the occasion of **IETE Foundation Day** on 2nd Nov 2016, delivered by **Shri Viney Kakker**, EC Member, on “**Role of IETE in Digital India**”, and encouraged the students to accept challenges in life.
- The Centre celebrated **IETE Students’ Day** on 1st Feb 2017. **Shri BB Rishi**, EC member welcomed the gathering. **Prof BB Dhar** delivered a technical lecture on **Digital India** and **Skill India** drives. Students participated in this program with great enthusiasm.
- IETE IGNOU Regular Study Centre (38036) operational at IETE Delhi Centre conducted students **Induction Meet** on 28th Feb 2017. **Dr Sanjeev Pandey**, the Regional Director IGNOU, while elaborating the process of Induction, introduced the subject of **Distant Education** and categorically stated how the IGNOU system was different from ‘correspondence course system’ which is in operation at number of places. **Prof Dhar** in his presidential address indicated about his prolonged association with IETE Delhi Centre and praised the efforts made by Centre in establishing meaningful agreement with IGNOU for highly synergistic results.
- 4th International Conference on “**Computing for Sustainable Global Development**” was organized jointly with Bharati Vidyapeeth, CSI, and ISTE & GGSIPU on 1st-3rd Mar 2017. **Prof BB Dhar** delivered a technical lecture on the theme “**Digital India**” and “**Skill India**”.
- Centre participated in the NIELIT workshop on “**Digital Payment Initiatives for Small and Medium Businesses/Traders**” on 4th Mar 2017 at New Delhi
- Staff members of IETE Delhi Centre participated in the two-day **MBA orientation program** conducted by IGNOU, Maidan Garhi, New Delhi.
- Centre conducted a one-day **Computer Training Program** to create awareness among Govt School Girls students about digital procedures.

ERODE

The Centre celebrated **IETE Students’ Day-2017** on 1st Feb 2017 in association with ISF at Kongu Engineering College (KEC), Erode. **Dr G Murugesan**, Centre Chairman, delivered the welcome address, Dr S Arumugam, Hony Secretary, delivered the presidential address. Various technical and non-technical activities were conducted for the benefit of ISF student members who actively participated in paper presentation, quiz, multimedia presentation and code debugging. Thiru A Venkatachalam, KEC and Prof K Krishnaswamy Dean, Centre for Curriculum Development and Students Affairs, KEC, distributed prizes.



Students’ Day Celebration

GOA

The Centre celebrated **IETE Students’ Day** on 8th Feb 2017 at ETC Dept, Goa College of Engineering. The Founder of EME Automation, Panjim, **Shri Abhijit Tamba** was the Chief Guest. The Centre Chairman **Dr H G Virani** and Hony Secretary, **Ms Sonia Kuwelkar** were present. Delivering the welcome address, the Chairman highlighted benefits of becoming IETE student member. The President’s message was read out by Ms Sonia Kuwelkar, Hony Secretary. The chief guest gave keynote speech on the aspects of Industrial Design and the advancements in Automation. A quiz competition elicited huge participation. The winner of the quiz- Shri Ninad Joshi of final year, was given cash prize.



Keynote speech in progress

- The Sub-Centre inaugurated its third new ISF at **Padre Conceicao College of Engineering (PCCE), Verna, Goa** on 23rd Mar 2017.

HYDERABAD

- The Centre conducted a meeting with Principals/HoD's/ TPO's/ISF Co-ordinators, Executive Committee and Governing Council Members of IETE on 1st Jan 2017. Chairman, **Prof G Laxminarayana** explained about Telangana State Asset Mapping Activity by using Bhuvan Panchayat App (under EPRIS project) implementation process during this meeting.



Meeting in progress with Centre Chairman in Centre

- **Prof A Sarweswar Rao**, Sub-committee Chairman for Membership Drive, ISF and Sub-Centres, inaugurated the IETE Student Forum at **Anurag College of Engineering** on 9th Jan 2017. Centre Chairman and Co-ordinator, IETE also participated.
- Chairman, **Prof G Laxminarayana** along with the office bearers, met President IETE, **Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd)** on 22nd Jan 2017 at Novotel Hotel, Hyderabad and briefed him about the activities of the Centre held during last 5 months. President IETE appreciated the Asset Mapping Activity by using Bhuvan Panchayat App.
- The Centre conducted **training programme** for Asset Mapping Activity by using Bhuvan Panchayat App (under EPRIS project) with NRSC officials on 22nd Jan 2017.
- Republic Day flag hoisting program was carried out on 26th Jan 2017.
- Guest Lecture on **Satellite Communication** was arranged at Anurag College of Engineering, Aushapur, Hyderabad on 9th Jan 2017; MLRIT Engineering College, Dhulapally, Hyderabad on 17th Jan 2017 and JBIET Engineering College, Chevella, Hyderabad on 30th Jan 2017.
- Co-ordinator of IETE, Hyderabad Centre, Vice Chairman **Prof C R Sarma** and **Prof A Sarveswara Rao** visited CMR (Technical Campus), CMR (Engineering College), Anurag College of Engineering, and JB Institute of Engg & Tech for membership drive and BTech projects.
- Centre received a proposal for establishment of Sub-Centre at Karimnagar.
- Established a **Science Centre** in IETE campus in co-ordination with M/S Khushal Trust, Hyderabad.
- Conducted a lecture on "**Technical, Skill Development and Social Skill**" by **Prof (Dr) Linga Reddy**, Hon Secretary on Tuesday, 7th Feb 2017.
- The Centre organized **7th IETE Students' Day Celebrations** on 11th Feb 2017.
- **BTech Project Review and Documentation** was conducted by R&D committee members Shri OP Venkateshwar, Shri Rajesh Kumar, Shri Umamaheshwar Rao, Shri C R Sarma and Shri KVNSVPL Narasimham on 12th, 18th, 19th & 26th, February, 2017. The Committee included identification of electronic components like PCBs, Processor and Relays for exhibition purpose with the help of M/S Agarwal industry, Hyderabad.
- On the occasion of the **National Science Day**, Indian Society of Remote Sensing (ISRS), Hyderabad chapter, organized a half-day workshop on 28th Feb, 2017 on '**Popularization of Geospatial Technologies for the Benefit of Academia**'.
- Conducted a one-day workshop on the topic **Verilog HDL programming** for digital design circuits on 5th Mar 2017. The workshop gave an overview on fundamental and abstract modeling of Verilog HDL programming for digital design circuits.
- **Students' Project Review** was conducted on 17th-18th Mar 2017.

JABALPUR

- **Republic Day** was commemorated on 26th Jan 2017.
- **IETE Students' Day** was celebrated on 18th Feb 2017 jointly with BSNL (BRBRAITT), Jabalpur. On this occasion a seminar on **Smart Technology Applications** was organized. Students were taken for field visit to Bharat Ratna Bhemrao

Ambedkar Institute of Telecom Training (BRBAITT), where they got exposure to latest telecom equipments. In the second session a seminar on “Smart Technology Applications” was organized. Chief Guest of the seminar was **Dr Manish Choubey**, Group Director GGITS, and special guests were - **Smt S Manna**, CGM, BRBAITT, Jabalpur and **Er Himanshu Shrivastava**, Chairman IETE Jabalpur Sub Centre. Welcome address was by Smt Nidhi Mathur GM, BRBAITT, Jabalpur. Chief Guest in his address explained smart technologies for Smart City development and citizen’s expectations. IETE President’s address was read by Er Himanshu Shrivastava. Dr S Manna briefed about the theme of the Seminar. **Dr G C Manna**, Prof GGITS, Jabalpur, expressed his views on Machine to Machine Communication and Internet of Things. **Dr V K Jain**, Prof IITDM, Jabalpur, in his lecture focused on Mobile Adhoc Network and Vehicular Adhoc Network. **Dr Ashok Tiwari**, Head of Training, MPPKVCL, explained Smart Grid & Energy Management.



The speaker making a point during seminar

JAIPUR

The Centre celebrated **IETE Students’ Day** on 27th Feb 2017. Invited Guests of Honour were **Dr Ghanshyam Singh**, Assoc Prof, MNIT, Jaipur and **Prof (Dr) Manish Tiwari**, EC and Electrical School of Electronics, Manipal University, Jaipur. It started with a live interactive quiz amongst the students. Chief guests were **Dr G N Purohit**, Dean AIM & ACT, **Dr Ritu Vijay**, HoD/Electronics, **Dr Seema Verma**, Convenor, IETE, **Ms Vartika Kulshreshta** and **Ms Pooja Srivastava**. Dr G N Purohit inaugurated the function. Dr Ghanshyam Singh mentioned about Banasthali University holding record number of IETE student memberships across the country. He lauded IETE for practicing highest standards of professionalism and transparency. Winners got the certificates. Dr Manish Tiwari presented his work on Optical Fibers.



IETE Students’ Day celebrations at ISF Banasthali University

JALANDHAR

The Centre observed **IETE Students’ Day** at DAV University on 1st Feb 2017. Activities included technical quiz contest, multi-media presentation and treasure hunt. Over 20 teams, comprising two members each participated. The event consisted of three rounds with varied difficulty, based on written, picture identification, rapid fire etc.



Dignitaries addressing the students

The multi-media presentation focused on themes like stealth technology, social media: boon or bane, ethical hacking, renewable energy resources, E-waste management, blue brain technology and unmanned vehicles. **Ms Chahat**, BTech/CSE won the competition and **Ms Manjot Kaur**, BTech/ECE stood 2nd in the event, judged by Shri Naveen Bilandi, CSE Dept, Dr Sanjeev Sharma, CSE Dept, Shri Omkar Singh, ECE Dept and Shri Vikramjit Singh, ECE Dept. The events, Ex-Quiz-Me and Exposition, were graced by **Dr Rekha Kalita Bhardwaj**, Registrar and **Shri Naresh Sahejpal**, Dean Academics. IETE President’s message was read out. Another fun event, the Treasure Hunt was held. These events gave the students, an excellent opportunity to showcase their innovative ideas, knowledge and skills. These events help in developing a spirit of healthy competition. Over 150 students participated and this

could not have been possible without support, guidance and motivation of Hon'ble Vice Chancellor **Dr A K Paul**, DAV University.

KANPUR

- **IETE Students' Day** was celebrated in the ECE Department, University Institute of Engineering and Technology (UIET) - Chattrapati Shahu Ji Maharaj University, on 1st Feb 2017. The program was inaugurated by Chief Guest, **Dr Arpita Yadav**, Director, UIET, CSJM University, and also graced by the Chairman and Hony Secretary, keynote speakers from IIT Kanpur and University senior officials. IETE President's message was read out. Two keynote speakers delivered their talks. **Prof Yogesh Singh Chauhan**, EED, IIT Kanpur talked about Microelectronics and current scenario in Semiconductor and Integrated Circuit Technology. The Students' quiz competition was conducted by **Er Vishal Awasthi**. **Shri Shreyansh Singh, Shishir** and **Kush** were first three winners respectively in quiz competition. During the second keynote speech, **Prof S N Singh**, EED, IIT Kanpur, gave lecture on Intelligent System Application for solving engineering problems. The program was attended by distinguished guests **Prof KTV Reddy**, Dir PSIT, Kanpur; **Er CP Verma**, Hony Secretary; **Er PK Bhatnagar**, Sr Exec Member; **Dr US Yadav**, Former Chairman; HoD/ECE **Er Neeraj Kumar**, Er Vishal Awasthi, Er Parul, Er Ajeet, Er Anand, Er Ajay, Er Amit, Er Avinash, Er Atul, Er Preeti. 200 students participated. Vote of thanks was given by Dr Richa Verma.

- The Centre and Dept of ECE, Indus Institute of Technology & Management, Bilhaur, Kanpur, jointly organized a one-day **Technical Workshop** on 11th Feb 2017. **Dr P K Manna**, Director IITM, Kanpur, was the Chief Guest. **Prof S N Singh**, Centre Chairman & Prof/EE, IIT Kanpur & **Er S K Gupta**, CMD, Indisco, Kanpur, were the keynote speakers. Er Vijay Kumar Dixit, Programme Convener, welcomed the distinguished guests, speakers and members. Prof Singh talked about opportunities & challenges in using non-conventional & renewable resources in India and shared some personal experiences. Er Gupta shared his experiences about industries and requirements of modern industries. About 80 members attended the programme. The programme was ended with vote of thanks proposed by Er CP Verma.

- **International Women's Day** on 8th Mar 2017 at IIT Kanpur, was jointly celebrated by IETE Kanpur Centre and Kanpur

Institute of Technology (KIT). About 150 members attended. **Prof S N Singh**, Centre Chairman, delivered welcome address. **Prof Pragya Agarwal**, DBS College & **Shri Umesh Chandra Sharma**, CSJM University, were two keynote speakers. They highlighted various problems of Indian women like female foeticide, malnutrition, education, reservation, women security, women harassment at work place, gender discrimination, women honour, right to property, women role in decision making etc. Various practical solutions were given by Prof S N Singh. The Hony Secretary proposed vote of thanks.



International Women's Day celebrated at Kanpur

KATHMANDU

Organized a seminar on “**Mobile Financial Services (MFSs): Opportunities & Challenges**” on 16th Mar 2017 with an objective to develop understanding about implementation of Mobile Financial Services in Nepal among stakeholders and to conduct dialogue on key issues among agencies. Financial regulator, the Central Bank of Nepal, Nepal Rastra Bank & Telecom Regulator, Nepal Telecommunication Authority (NTA) shared regulatory mechanisms to implement MFSs at an earliest appropriate time. This seminar was supported by NTA and Sakchyam Access to finance UKaid. In the program, Dy Governor of NRB, **Shri Shiba Raj Shrestha** and Vice-President of Nepal Bankers Association & CEO Civil Bank, **Shri Kishor Maharjan** shared their views to implement MFS.



Seminar on “Mobile Financial Services (MFSs): Opportunities & Challenges” held at Kathmandu on 16th Mar 2017

Five presentations were made. **Shri Vikas R Panditrao**, MD Asia-Pacific mFino, shared experiences on implementation of MFSs across different part of world. **Shri Prakash Rai**, Dy Dir, Policy Planning Unit, Payment Systems Dept, Nepal Rastra Bank, presented NRB Policy for MFS providers, operators and regulatory regimes. **Shri Binod Chandra Shrestha**, Asst Dir, NTA, presented Regulatory and Policy level provisions for MFS operations. **Shri Baljit Vohra**, Team Leader, Sakchyam made presentation on significance of MFS in Nepal. Also, **Shri Hem Raj Dhakal**, Founder & MD, IME Group of Companies & IME Digital Solution, presented Preparations and Challenges for Micro Financial Service delivery.

NTA Director **Shri Ananda Raj Khanal** moderated the panel discussion session where all major Mobile Network Operators, Nepal Telecom and Ncell showed their positivism towards implementation of MFS. Telecom service operators, payment service operators & providers and policy implementers discussed on various aspects of mobile financial services in the context of Nepal and discussed on successful implementation model of MFS as a takeaway. The seminar was chaired by IETE Chairman **Shri Mahesh Prasad Adhikari** where former NTA&IETE Chairman **Shri Bhash Raj Kanel** highlighted the objectives of the program and its key deliverables. The whole program was conducted by vice-chairman of the Centre **Shri Keshava Raj Gyawali**.

KOCHI

NCICIS 2017 - a National level conference / technical meet in association with IETE Kochi Chapter, held during 3rd-4th Mar 2017, was organised by IETE ISF at ECE Dept of Sree Narayana Gurukulam College of Engineering (SNGCE) Kolenchery, Ernakulam. Following attended: **Er Thomas John** - CEO of Manufacturing Business, NeST Group, as Chief Guest; **Dr T K Mani**, Centre Chairman; **Dr M V Rajesh**, Hony Secy; **Dr K Vasudevan**, Hony Treasurer; **Dr Saji C B**, Principal, SNGCE; **Shri M A Raju**, Exec Dir, SNGCE; **Dr S P Namboothiri**, Prof & Head, ECE Dept, SNGCE; Dr



NCICIS-2017 Conference in progress

Suriyakala, Convenor, NCICIS 2017 and executive members of IETE Kochi Centre. During presidential address by Principal, **Dr Saji C B** suggested interactive learning beyond the range of volumes of books. The Chief Guest, Er Thomas John, known name in the Fibre Optics world, addressed. Inaugural session was followed by a keynote address of **Dr M V Rajesh** on the title "Introduction to Non-linear System Analysis". A number of paper presentations were scheduled during the two days of conference.

LUCKNOW

IETE Students' Day was celebrated in august presence of dignitaries **Er Satish Kumar**, Chairman, Prof Neelam Srivastava, Hony Secretary, Shri Vinod Kumar, Hony Treasurer and other eminent personalities from telecom and academics on 18th Feb 2017. A healthy debate was organized between students of IETE and other prestigious technical colleges like Institute of Engg & Tech, Lucknow, BBD Lucknow, RRIMT, Lucknow and Amity University Lucknow campus. Students from various colleges participated & deliberated on the theme, 'Is Cyber Security in present era of ICT- a Boon or Bane'. The competition was judged by Shri BB Lal, Shri Shabbir Ahmed & Shri SP Kalsi. Students were advised to take advantage of internet technology, while exercising caution. The event concluded with presentation of certificates to students by Shri BB Lal, Shri Shabbir Ahmed & Shri SP Kalsi. In the end judges interacted with students to enlighten them for their path to success. A gracious vote of thanks was delivered by Chairman, Er Satish Kumar.

MHOW

Faculty and PG students of Dept of ET of **Shri Govindram Seksaria Institute of Technology and Science (SGSITS), Indore MP**, visited labs at MCTE, FCE on 14th Jan 2017. There was a good exchange of technical ideas with students for research projects and UG & PG training aspects. Lab briefings were conducted by **Asst Prof (Dr) C N Khairnar** and **Lt Col Rakesh Kumar**.



Visitors at MCTE, FCE Lab, Mhow

MUMBAI

• The Centre organized following technical activities/lectures:

- **Python workshop** on 1st Oct 2016 at ISF Vidyalkar Institute of Technology, Wadala.
- Workshop on **Arduino** on 1st Oct 2016 at ISF Don Bosco Institute of Technology
- Workshop and Competition on **Line Follower** during 4th-5th Oct 2016
- Workshop on **Python** on 8th Oct 2016 on Raspberry Pi: Basics
- Workshop on **GPIO Interfacing and IOT** during 15th-16th Oct 2016 at ISF Don Bosco Institute of Technology

• **6th Dr PB Parikh Endowment Lecture** was conducted on 16th Jan 2017, delivered by **Shri Srinivasan Iyer**, Mg Dir Interface Design Associates Pvt Ltd. IETE Mumbai Centre and Shah & Anchor Kutchhi Polytechnic (SAKP), Mumbai, felicitated **Dr PB Parikh**, Chief Guest on the lecture, his wife **Mrs Sulochana Parikh** and **Shri K Srinivasan Iyer**, Keynote speaker. Mrs Uttara Gogate, Hony Secretary, gave an overview on endowment lecture. The opening was done with an energetic speech by Dr PB Parikh. The technical lecture on “**Current Architecture in Motion Control, CNC and Robotics Applications**” was by Shri Iyer. He deliberated history of motion control and its application sharing his work and interesting videos. **Dr Udhav V Bhosle**, Centre Chairman, **Shri Keshavji Bhai Chhadva**, Chairman, SAKP Polytechnic Mgmt; **Shri Navin Bhai Shah**, Managing Trustee; **Shri Mansukh Bhai Shah**, Hony Trustee; **Shri Jayanti Bhai Chhadva**, Trustee and **Shri Sanjay Lunge**, I/C Principal, SAKP; **Dr Bhavesh Patel**, Principal, SAKEC, EC Members of IETE Mumbai Center, students and Council Members attended.



Dignitaries during Endowment Lecture at Mumbai

• Shivajirao S Jondhale College of Engineering, Dombivli (ISF), hosted the **International Women’s Day** celebrations on 8th Mar 2017 jointly with IETE Mumabi Centre, ISF committee and WDC of the College. **Mrs Naina N**, Senior LIC Consultant graced the occasion as Chief Guest. Other dignitaries included: **Dr J W Bakal**, Principal, S S Jondhale College of Engineering, Dombivali and **Mrs Uttara Gogate**, Centre Hony Secy, **Prof P R Rodge** and **Mrs Madhuri Rodge**, EC Members. ISF Co-ordinator **Shri Shrivastav** and **Mrs Smita Lonkar**, HoD EXT C Dept and other HoD’s were present. Self defence demonstrations and a workshop was arranged on the occasion by Shruti Agashe and Shivani Kamble.

• **Shri Satish N Kulkarni** delivered expert technical talk on ‘**Cyber Security**’ on 20 March 2017. About 145 members attended.

NASHIK

The computer test **e-Merge 2016-17** was inaugurated at K K Wagh Senior College, Saraswati Nagar by NASA space educator **Ms Apurva Jakhadi** during 4th-5th Jan 2017. She spoke about India’s position with respect to space education and showed a documentary on Space. **Prof Archana Bendale**, HoD/CE gave the introductory speech. Dr Vinayak Sevlikar, Principal of the College guided the event. Students participated in the competition where topics were - Cashless Transaction; Digital India; Global Warming, Vision 2020 & Smart City; Road Safety; Recent Technology (Space, Science, IT). Other competitions organized were Blind Coding; Technical Quiz; Counter Strike; Programming and Group discussion etc. The valedictory function of e-Merge 2016-17 was conducted by **Dr Ravindar Singhal** (Commissioner, Nashik) and welcome speech was delivered by Dr V M Sewalikar. Dr Singhal advised students not to get addicted to Whatsapp, internet etc.

• ‘**Technofest-2017**’ a technical event on 25th Feb 2017 started with the Inaugural function graced by **Dr Ravindra G Sapkal**, CMD, Sapkal Knowledge Hub, Nashik; **Prof (Dr) S B Bagal**, Principal, Late G N Sapkal College of Engineering; **Shri Pravin Nirmal**, Chairman, Solace Infotech Pvt Ltd Nashik; **Shri Ajay Vidyabhanu Mgr (HR)**, Jindal Saw Ltd. The welcome address was given by Prof (Dr) S B Bagal, presidential address was delivered by **Dr Ravindra G Sapkal**. Prof N R Wankhade, Techno fest 2017 Coordinator & HoD Computer Engineering, delivered vote of thanks. All technical and non-technical events

were conducted in the campus. 1700 students from different colleges participated.



A section of participants at Technofest-2017

- The LGNSCOE IETE- ISF Centre celebrated the **154th birth anniversary of Swami Vivekananda** and organized one day seminar on Skill Development for Young Engineers 2017 on 12th Jan 2017 to create awareness about the skills required to become successful professional. **Prof (Dr) S B Bagal**, College Principal, told students to take up challenges in the field of Automation (PLC) through ISF activities. Prof S B Borse, Head, E&TC Dept highlighted present day challenges for engineers in today's scenario. Shri M M Rasal Head, Skill Development Centre, Nashik Engineering Cluster, briefed about the basic skills required for any engineer. Competitive events like Blind Coding Competition, Technical Quiz, Counter Strike, Programming and Group Discussion competitions were held.

NOIDA

- Shri R S Verma** delivered a technical lecture on "**Latest Trends in HF Communications**" on 25th Dec 2016. He deliberated on High Frequency (3-30 MHz) Communication used for first-line and backup communication over long distances, mainly in remote regions of the developed world and in developing countries. He briefed on Government and private organisations continual search for the most flexible, reliable and cost effective solutions for their remote, emergency and security communications needs. HF Communication is a long distance communication through Ionosphere. Early HF Radios were large, cumbersome and difficult to use. HF communication has become reliable with the advancement in

technology and provides instant voice, email, messaging, fax and GPS navigation. Latest trends in HF communication are the availability of HF Communication System as Software Defined Radios with Automatic Link Establishment (ALE) and other programmable features.

- A lecture on **SDN (Software Defined Network)** was delivered by **Shri Harpreet Singh**, Technical Dir, CISCO on 29th Jan 2017. It covered various interpretations of the term SDN by vendors, customers, R&D and academia. The session covered the drivers for Software Defined Networks, and standards for SDN *e.g.* Openstack & Openflow. He delved into the various approaches of separating the control plane and the data plane as defined by the SDN framework, and ended with the various use cases of what SDN can achieve for service providers, enterprises and data centers.

- A lecture on '**Understanding Implications of Big Data**' was delivered by **Dr Ranjit Singh** on 12th Feb 2017. He remarked that Big data is being generated by everything around us at all times. Every digital process and social media exchange produces it. Systems, sensors and mobile devices transmit it. Dr Singh explained that Big data is arriving from multiple sources at an alarming velocity, volume and variety. To extract meaningful value from big data, one needs optimal processing power, analytics capabilities and skill. He also asserted that today, much IT investment is going towards managing and maintaining big data. Enterprises have always sought to mine actionable information from this data. But capitalizing on the vast potential value of big data requires a new approach. Traditional data warehouses and business intelligence tools don't provide answers fast enough. Big data analytics—tools and processes created specifically to turn big data and analytics into business insight—allow business leaders to develop a conversational relationship with data. He mentioned that big data analytics enables employees to make better decisions—deepening customer engagement, optimizing operations, preventing threats and fraud, and capitalizing on new sources of revenue.

- A lecture on **Implications of Machine Learning Methods on Diseases and Drugs** by **Dr Chakresh Kumar Jain**, Asst Prof, JIIT, Noida, was organized on 26 Mar 2017. Machine learning methods applications toward deciphering the biologicals is interesting and useful specifically when data

is voluminous, heterogeneous, multidimensional and need to understand the inherent pattern in order to establish the functional correlation. The talk covered mainly the basics of biological data representation, complexity, recent technologies for data generation and storage, sequencing methods, challenges and applications of Machine learning in investigating the features necessary for disease diagnostics and therapeutics.

- A lecture on **DNA of Smart Cities** was given by **Dr Ranjit Singh**, on 23 Apr 2017. About 11 IETE Members including President IETE, **Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd)** attended. Dr Singh mentioned over 30% of India's current population live in cities or urban areas and contribute close to 65% of GDP. By 2030, these figures are expected to become 40% and 75% respectively. This would need comprehensive growth and development of physical, institutional, social and economic infrastructure to improve the quality of life. Rs.96000 crore has been earmarked to transform 100 existing cities to 'Smart Cities' for providing core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment and application of 'Smart' solutions. The 'oneM2M' open standards are most comprehensive set of specifications which don't mandate or necessitate the use of any specific hardware, software or communication technology -- cities can avoid vendor lock-in and reap the benefits of a much larger and more price-competitive ecosystem, comprising commercial off-the-shelf hardware.

PALAKKAD

- The seminar on "**Cyber Security & Its Impact**" was inaugurated on 18th Oct 2016 by **Shri C K Haridas**, Governing Council Member at Al-Ameen College. **Dr K Geetha**, Principal of the College and Centre Chairperson, presided over the function. **Shri M S Ajayan**, Hony Secretary, inaugurated the Technical Hobby Club. **Shri R Manoj Kumar**, Circle Inspector of Police, Town South Palakkad, delivered the key note address with special focus on the relevant aspects and threats faced by the student community in present circumstances. He also advised them for promoting awareness among themselves and society about "phishing", done by unsocial elements while using mobile phones and social media.

- The International Conference on "**Engineering Technology for Sustainable Development**" was held on 11th-12th Nov 2016, jointly organized by the Centre and Al-Ameen College

of Engineering, Kulappuly. **Dr Ramesh U**, Dir-AICTE, New Delhi, inaugurated the conference and informed the audience about possibility of joint engineering entrance exams that may be held on all India basis. The Trust Chairman, **Shri C P Ali Baba Haji** presided over the function. Keynote address was delivered by **Shri Premchand**, Unit Head, ITI Palakkad whereas **Shri C K Haridas**, released the conference proceedings. Prominent speakers during the occasion were: Dr K Geetha, Principal & Centre Chairperson; Dr PR Mahadevan Pillai, Dean Engineering, Calicut University; Dr S Goshteeswaran and Asst Prof Anoop V.



Release of Conference Proceedings
by Dr Ramesh U, Dir-AICTE, New Delhi & others

- **Smt Prameela Sasidharan**, Chairperson, Palakkad Municipality, inaugurated **IETE Students' Day** celebration on 2nd Feb 2017. She advised them to use their knowledge for benefit of society. **Dr K Geetha**, Centre Chairperson presided. **Shri C K Haridas**, South Zone Coordinator & Chairman Student Affairs Committee, explained details of PMKVY program conducted at the Centre.



IETE Students with PMKVY certificates on IETE Students' Day

- **Padmasree Dr P R Krishnakumar**, Chancellor Avinashilingam University and Mg Dir, AVP (Coimbatore) Pvt Ltd, inaugurated **2nd Engineering Students Convention** on 11th Mar 2017. He pointed out the growing importance

of internet among younger generation for development of nation. He advised students to be disciplined and careful while using these latest technologies to safeguard from negative impacts. **Shri Karimpuzha Devarajan**, Dir of Architecture, KAISER Permenanete, USA, delivered the keynote address. In his presentation of IoT for Personalized Healthcare, Shri Karimpuzha Devarajan informed that IoT plays a vital role in USA in healthcare awareness. Dr K Geetha, Chairperson presided. IETE South Zone Coordinator, **Shri C K Haridas** explained the success story of the Centre and motivated students to adhere to KASH (Knowledge, Aptitude, Skills and Habits) instead of going after another CASH.

PUNE

- Inauguration of **IETE National Journal of Innovation & Research** (IETE-NJIR) Vol III, Issue II, publishes from IETE Pune Centre, was held on 10th Dec 2016. **Dr S R Jog**, Chairperson of IETE-NJIR, welcomed authors/audience and gave information about IETE-NJIR. **Prof S K Khedkar**, Immdt Past Chairman, stressed on importance of research in present academic scenario. **Shri GK Dawara**, Centre Chairman, felicitated reviewers and released the journal.



Release of IETE National Journal of Innovation & Research, Pune

- **International Women's Day** was celebrated on 11th Mar 2017. **Shri G K Dawara**, Chairman Pune Centre, in his address gave examples of leading women in Industry and other fields. The chief guest **Dr (Mrs) M A Joshi**, delivered a talk on the topic "**How to write good technical papers**", wherein she elaborated few points with examples and presentation; viz. writing style, use of simple sentences, avoiding repetition; correct use of grammar and spelling checkers, use of figures/tables for effectiveness and about plagiarism. Women felicitated during the event were: **Dr Vandana Dureja**, Assoc Prof, HOD, FE, **Prof Mrinal Bachute**, HoD, ETE and **Asstt Prof Sneha**

Pokharkar, E&TC Dept all from G H Raisoni Institute of Engg & Tech, Pune. Program ended by vote of thanks by Ms Leena Bokil.

RAJKOT

- **Students' Day** of IETE was celebrated by Rajkot Centre on 1st Feb 2017. The competition "**Talent Hunt**" saw participation of 53 students. **Dr C K Kumbharana**, HoD, CS, Saurashtra University, Rajkot & **Dr D D Vyas**, HoD, EE, Darsan Engineering College, Rajkot, judged the competition. Participants from electronics stream were asked to build & run circuits in limited time period, while participants from computer & IT stream were asked to write & run programme of "C" language. Shri Brijesh, IETE Rajkot Centre, Shri Kamaldeep & Shri Ankit from Electronics Dept, Saurashtra University, handled overall function. Vote of thanks was offered by Shri Parikh, Electronics Dept, Saurashtra University. Winners of both streams were awarded.



IETE Students' Day celebration at Rajkot Centre

- The **International Women's Day** was celebrated on 8th Mar 2017 by arranging a workshop on technical equipments used in day to day life by women. An expert **Shri Ramnikbhai Kotadiya**, the owner of Indian Technical Institute (mini ITI) was invited as the guest. About 30 women participated. The speakers were - **Dr H N Panda**, Chairman; **Er C M Devani**, IBS (Retd) Past Chairman; **Shri S M Suchday**, Member. Certificates of participation were distributed. Vote of thanks was offered by Hony Treasurer, Dr Atul Gonsai.

RANCHI

IETE Ranchi Centre & Indian Society for VLSI Education (ISVE) Ranchi organized a two-day 2nd **International Conference on Nanoelectronics, Circuits and Commutation Systems (NCCS-2016)** on 25-26th Dec 2016 and **Winter School on Digital VLSI Design (WSDVD-2016)** on 27th-30th Dec 2016 at ARTTC BSNL, Ranchi, with its support.

The dignitaries during the inauguration session were : **Dr K K Thakur**, CGM, BSNL Jharkhand State as Chief Guest; **Dr A A Khan** Former VC Ranchi University and Former Chairman IETE Ranchi; **Er Sanjay Kumar Jha**, Past Chairman IETE Ranchi and **Dr R K Singh** Former Prof Ranchi University and Chairman, IETE Ranchi as Guests of Honour. **Shri Vijay Bhushan Pandey Prasad**, DGM DOT Term Cell & Chairman ISVE Ranchi; **Shri Ajay Kumar** AGM (admin) BSNL Ranchi & Chairman IETE Ranchi; **Dr Abhijit Biswas** University of Calcutta- keynote speaker; **Dr Vijay Nath** BIT Mesra & Hony Secretary, General Chair NCCS-2016; **Dr Anand Kumar Thakur**, SSMC Ranchi University & Hony Treasurer, Organizing Secretary NCCS-2016; **Dr Raj Kumar Singh** RLSYC Ranchi University, EC Member & Convener NCCS-2016. The welcome address was given by Chairman, Shri Ajay Kumar; Program overview was presented by Hony Secretary, Dr Vijay Nath. The lectures delivered in the inaugural session were by Dr A A Khan on *Imagination of technology & brief introduction of nanotechnology*, Dr K K Thakur delivered a talk on *4G and its implementation*, who also demonstrated its benefits in society. Dr Abhijit Biswas spoke on *Application of CMOS in current World*. A souvenir to commemorate the event was released by distinguished guests. Dr Anand Kumar Thakur briefed about technical sessions while Dr Raj Kumar proposed vote of thanks.



Dignitaries on the dais during 2nd International Conference (NCCS-2016)

Technical lectures delivered were by **Dr B K Bhattacharya** NIT, Agartala, on *Smart Grid*, **Dr Abhijit Biswas**, University of Calcutta, on *Low Power VLSI Design*, **Dr A A Khan**, Ranchi University, delivered lecture on *Nanotechnology*, **Dr P R Thakura** BIT Mesra delivered lecture on *Hybrid vehicles*. **Dr S S Tripathi**, BIT Mesra on *Image processing*, **Dr Aminul Islam**, BIT Mesra on *SRAM* and **Dr Vijay Nath**, BIT Mesra on *VLSI Design for ESDM*. The valedictory session was graced by **Dr Akash Agarwal**, Chairman Sai Nath University Ranchi, as the Chief Guest.

SHIMOGA

The Centre in association with JNN College of Engineering Shimoga, conducted a one-day free training program on “**Internet Awareness for Housewives and Senior Citizens**” on 12th Nov 2016, inaugurated by **Shri H M Mallappa**, Secretary, NES, Shimoga. **Dr R Srinivasa Rao Kunte**, Centre Founder Chairman; **Prof H K Harish**, Centre Chairman; Dr P Manjunatha, Hony Secretary and Prof S R Ashwini, Hony Treasurer of the Centre were also present. **Prof Harish** in his speech highlighted that mission of IETE – “Reaching the unreachable”. He mentioned that in addition to the regular technical activities, IETE is also conducting many activities which are relevant to the society and the common people. About 40 participants comprising of 18 housewives participated, who were taught use of e-mail, online-shopping, online ticket-booking, use of Skype and some mobile apps. **Mrs Ujwala**, BS/AP and **Mrs Nalina**, BS/AP coordinated. 10 ISF members volunteered. Participants thanked IETE Shimoga Centre and JNN College of Engineering for conducting more programmes and suggested that such program be conducted regularly with a minimum duration of 2 days or more.



Participants at one-day free training programme

In connection with **International Women’s Day** celebrations, the Centre in association with JNNCE, Shimoga, conducted a two-day workshop on “**Internet Awareness and Cashless Digital transactions for Women and Senior Citizens**” during 17th-18th Mar 2017, presided over by **Dr H R Mahadevaswamy**, Principal, JNNCE, Shimoga. Others present were: Prof H K Harish, Chairman, Dr P Manjunatha, Hony Secretary and Prof S R Ashwini, Centre Hony Treasurer. **Dr Mahadevaswamy** explained that in digital transactions, the information security is crucial. **Prof Harish** highlighted importance of digital transactions and how women can make use of internet to sell their homemade products online. **Dr Manjunath** in his speech said that such workshops conducted

in the past have been very much appreciated. Workshop taught online transactions, online money transfer, e-mail, online shopping, online bill payment, IRCTC booking, Internet Banking, Paytm, WhatsApp call apps. The valedictory function was held on 18th Mar 2017. Asst Profs Ujwala B S & Mrs Nalina B S coordinated. 23 persons comprising 5 women and 18 senior citizens participated and 15 ISF members volunteered.

SIVAKASI

- Centre organized **Fourth Techno Blaze** on 18th Jan 2017 at Advanced Communication Laboratory, Dept of ECE, Mepeco Schlenk Engineering College (MSEC), Sivakasi. **Mrs S Kavi Priya**, AP/IT, delivered a lecture on **Design Issues in Wireless Sensor Networks** and had detailed discussion with participants.
- A 2-day technical seminar on **Recent Trends in IoT Applications** was organized on 3rd-4th Mar 2017. Prof G Prema, Chairperson & Convener of the function, welcomed the gathering. Mrs W Sylvia Lilly Jebarani, Hony Treasurer & Co-ordinator, gave brief introduction. The seminar had seven technical sessions. **Shri VS Ramesh**, Technical Dir, Steps Knowledge Services Pvt Ltd (Training Partner/TI), Coimbatore, spoke on **IoT Applications using Simplelink CC 3200**. He inspired the participants with his rich research knowledge and explained the concepts in a simple way. **Dr J Raja Sekar**, AP/CSE, delivered a lecture on **Development of IoT Applications in Health Care**. He highlighted research issues in smart health care systems. **Shri J Senthil Kumar**, AP/ECE, enlightened the participants with Network Security in IoT. He illustrated security risks and threats and concluded with few tips to secure IoT devices and IoT research domains. Around 70 participants attended from 7 different engineering colleges (TN). In the valedictory session, certificates were issued by **Dr D Selvathi**, Centre Immdt Past Chairperson. Dr R Ahila Priyadarshini, Centre Hony Secretary, proposed vote of thanks.



Felicitations during technical seminar

- A lecture cum group discussion– **Fifth Techno Blaze** (2016-2017), was held on 5th Apr 2017, in Advanced Communication Laboratory at Dept of ECE, MSEC College, Sivakasi. **Dr G Chandrasekaran**, Senior Prof & Dir, MCA Dept, MSEC, the speaker focused on the need for Natural Language Processing (NLP) and pointed out that NLP is most crucial AI goal to achieve as it enables the computer to understand human language directly.

TIRUPATI

As part of silver jubilee celebrations of the MST Radar, National Atmospheric Research Laboratory (NARL) organised **3rd Regional Conference on Radio Science 2017 (URSI-RCRS 2017)** during 1st-4th Mar 2017 at Tirupati, jointly with the Indian Committee for URSI (INCURSI) under the Indian National Science Academy (INSA). **Prof A Jayaraman**, Director, NARL and **Prof S Ananthakrishnan**, Vice President, URSI were general co-chairs and **Dr TV Chandrasekhar Sarma**, Scientist, NARL was the convener. The event was inaugurated by **Dr AS Kiran Kumar**, Chairman ISRO. He elaborated on the emerging opportunities in semiconductors, remote sensing, frontline propulsion systems, nano and micro satellites. He gave a call to researchers, young scientists and students to take up challenging problems in these emerging areas and reiterated the strong support and commitment of ISRO to the advancement of radio science. Technical co-sponsorship was provided by IETE New Delhi and Hyderabad section of the IEEE, New York.



Dr AS Kiran Kumar, Chairman ISRO and dignitaries releasing the silver jubilee video of NARL

The conference convener **Dr Sarma**, FIETE, Chairman of Tirupati Centre and a Senior member of IEEE, started this series of conferences to encourage and promote radio science research as well as interdisciplinary interaction among researchers from the sub-fields of radio science, in the region

encompassing Africa and South Asia. A Special session to mark the beginning of the silver jubilee year of Indian MST was organized at the conference, in which talks about the origin, design, development, installation and utilization of the radar were presented by engineers and scientists. Young Scientist Award (YSA) and Student Paper Competition (SPC) Awards are special features of URSI-RCRS, where young scientists under the age of 35 years and students registered for PhD or MTech students with some research experience are encouraged to participate by submitting good quality papers and prizes are given. Five YSA prizes and 5 SPC prizes were awarded during the occasion.

VADODARA

- As part of the technical lecture series on contemporary issues, Centre organized a technical lecture on **Role of CCTV Surveillance in Smart City** on 7th Jan 2017, delivered by **Shri Dhaval Shah**, Director OmniSense. Members of IETE, IE (India), CSI, ISTD were invited to encourage and foster partnership with other professional societies. **Dr Mamta C Padole**, Hony Secretary, welcomed the guests and introduced the speaker. Shri Dhaval Shah explained the need of Smart City and clarified differences between traditional video surveillance system and CCTV camera system for Smart City. He emphasized the importance of security by stating the fact that these days CCTV Surveillance is required not just for national level but also at any business/personal levels whether big or small. He mentioned types of applications where CCTV surveillance may be useful like Intelligent Traffic Management to reduce traffic congestion, dynamic time adjusting of traffic signal, real time traffic information to the citizens, parking management system, law enforcement etc. Challenges involved in implementing CCTV surveillance in applications like Border Security were highlighted. **Prof (Dr) RC Desai** presented him memento. Dr VK Shah, Vice Chairman proposed the vote of thanks.

- The Centre organized national seminar on **Cyber Security** on 4th Mar 2017 in association with CSI, Vadodara Chapter and IE (I), Vadodara Centre. **Smt Smriti Dagur**, Immdt Past President, IETE, was the Chief Guest and **Shri Arun Kumar**, Gp GM and Basin Manager, ONGC, Vadodara, was the Guest of Honour. **Shri Tushar Kher**, Chairman, introduced the theme. Smt Dagur highlighted importance of cyber security and need for alertness while exploring cyber space. Shri Arun Kumar

in his address appreciated efforts of organizing committee in bringing together such a large audience. Three technical sessions were held. In Technical Session 1- on **Awareness and Threats**, **Shri Dipak M Rai**, former Vice-President (IT), Reliance Industry Limited, delivered a talk on Cyber Security Awareness. **Shri Chetan Shah**, DGM (IT) at L&T Technology Ltd, covered various threats and preventive measures. **Shri Peter Theobald** from M/s Hitachi gave a talk on Ransomware Protection. In Technical Session 2- on **ISMS Standards**, **Shri Tushar B Kher**, In-Charge of Disaster Recovery Data Center of Project ICE, ONGC, delivered a lecture on ISO 27001:2013 Requirements, Implementation and Certification process. **Shri Kandarp Shah** gave a brief talk about Ethical Hacking. **Prof Kshitij Gupte** and **Prof Rushi Trivedi** both from Dept of CSE, MSU Baroda, gave a demonstration of cyber security tools available under Kali Linux. In Technical Session 3- on **Legal aspects of Cyber Security**, **Dr Mahesh Thakar**, Advocate, Gujarat High Court, delivered a talk on Cyber Laws/IT Act. Technical Sessions were organised and conducted by **Dr V K Shah**, Vice Chairman and **Shri Dipak O Shah**, Immdt Past Chairman, CSI, Vadodara Chapter. The Seminar was attended by over 350 registered participants. Shri Dipak O Shah from CSI, Vadodara Chapter, proposed vote of thanks.



Chief Guest Smt Smriti Dagur, Immdt Past President IETE being felicitated by Centre Chairman, Shri Tushar B Kher

- The Centre organized a workshop on **‘Cashless Transactions’** on 8th Apr’17 at Adivasi Academy, Tejgadh, a tribal village situated 90 km east of Vadodara. The Adivasi Academy was selected as venue for workshop on ‘Cashless Transaction’ with a view to spread awareness about cashless transaction in remote tribal area of Gujarat. The workshop was conducted by **Prof (Dr) Jatinderkumar R Saini**, Director

(Info Tech), GTU's AB Innovation Sankul & GTU Zonal MCA Exam Coordinator (entire South Gujarat) & Professor & I/C Director, GNFC's Narmada College of Computer Application, Bharuch. The team comprising of **Shri Tushar B Kher**, Centre Chairman, **Dr Saini** and **Dr RC Desai**, Founder Centre Chairman, visited the Adivasi Academy, Tejgadh, for the workshop. Shri Kher requested all participants to educate more persons in their village and spread awareness and help making cashless transactions more popular. Dr Saini in his flawless communication with tribal people explained various methods of cashless transactions, and their benefits. He demonstrated USSD method of cashless transactions using *99#. Many participants registered their bank account and practised transactions using *99#. Dr Saini also introduced SBI Buddy and Paytm to the participants and explained how cashless transactions can be carried out using these applications.

WARANGAL

Dept of ECE of National Institute of Technology (NITW), Warangal, conducted an IETE National Level Faculty Development Program (FDP) on **Signal Processing and Applications** from 19th-23rd Dec, 2016 in association with the Centre. The FDP program was inaugurated by **Dr T Kishore Kumar**, HoD/ECE, NITW & Member IETE, who delivered a lecture on Social Signal Processing. About 50 participants were present. **Dr K Vishwanath**, IT Preneur, who motivated the faculty with his expertise on Trick Your Latent Self and Trigger. **Dr U Srinivas Balaraj**, KITS, Warangal, delivered a talk on Pathologies of Teaching and Learning Process. **Dr G Prasad**, Scientist-SG, NRSC spoke on Remote Sensing in Signal Processing. **Shri KV Sridhar**, NITW, gave some basic concepts of signal processing and VLSI signal processing. **Dr L Anjaneyulu**, NITW, gave expert lecture on RADAR Signal Processing. and also a session of expert lecture on Hardware aspects of GPS receiver and its DATA Processing by **Dr Dhiraj Sunehra** from JNTU Manthani was held. **Dr Sunehra**, the Chief Guest, distributed certificates in the valedictory session.



Participants at FDP programme at Warangal

YAVATMAL

- One-day workshop was organized on **New PhD Ordinance & Research Awareness** at Sant Baba Amravati University, Amravati on 27th Dec 2016 in association with IETE Amravati Centre. About 15+ Corp members attended this workshop.
- The Centre celebrated **IETE Students' Day** on 17th Feb 2017 in association with ISF at Jawaharlal Darda Institute of Engineering & Technology (JDIET), Yavatmal. A general knowledge and technical test was organized during this event. **Dr S M Gulhane**, Chairman, Dr P M Pandit, Hony Secretary, ISF Faculty Advisor, Prof U W Kaware, Hony Treasurer and **Shri Himanshu Bopche**, Chairman, ISF JDIET, graced the occasion. About 101 ISF members and students attended.



IETE Students' Day being observed at Yavatmal

**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

- A guest lecture on “Wireless Networking” was organized by **ISF at SRM University, Potheri, Kattankulathur, Chennai** on **Oct 3, 2016** delivered by Shri Avinash Ressay Bajjuri, Technical Associate, Tata Communications. Member of ISF SRM University, Chennai Shri Govindan Unni, IInd Year/ECE Student conducted a small project with innovative idea of obtaining 3.3 V DC regulated supply from 5 volt DC which is normally available. **ISF** with IETE Chennai Centre jointly organized two days **workshop on “Internet of Things”** on **Feb 16-17, 2017**. About 200 members attended the workshop. A guest lecture was also jointly organized on “**Optical Wireless – Role of Photonics in provision of Gigabit Wireless**” by Prof Thas A Nirmalathas, Dir & Prof, EEE, Melbourne Networked Society Institute, University of Melbourne, Australia on **Feb 27, 2017**. About 200 members were participated. A National Conference on Communication and Computing (NCCC'17) was organized on Mar 2, 2017. About 200 members participated.
- A two-day workshop was jointly organized at EC Dept of **ISF LDRP Institute of Technology and Research (LDRP-ITR), Gandhinagar & Teksun Microsys Pvt Ltd**, on “Recent Trends in TI- Micro Controller and RISC processor” for Smart City on **Oct 6-7, 2016**. The **ISF** also organized a technical event on “Xenesis -2017” during **Mar 24-25, 2017**. About 1500 participants from Govt Engg Colleges, self-financed institutes all over Gujarat attended. Events were: X Lan War, X Laser-Tag, X-Scramper & X-Mingle’. An expert lecture was held on “Digital Communication using Lab VIEW Tool” by Shri Arpit Patel, Scientist, PRL, Ahmedabad on **Mar 27, 2017** and another on “Computer Networking” by Dr Nikhil Kothari, HoD/EC, DDIT, Nadiad on **Mar 31, 2017**.
- **ISF at Saveetha Engineering College (SEC), Chennai** and IETE Chennai Centre jointly organized a Faculty Development Programme on “Linear Integrated Circuits” on **Oct 7, 2016**. A 2-day workshop on “Medical Image Processing” was organised on **Nov 29-30, 2016** jointly by them. Dr EN Ganesh, Principal, SEC, inaugurated. Dr R Ramesh, Vice-Principal (Acad) and Dr R Senthil Kumar, Vice-Principal (Admn) delivered felicitation address. Ms R Gayathri, Assoc Prof/ECE, Dr Sasikala, Assoc Prof/ECE, Anna University, Dr N Kumaravel, Prof/ECE, Anna University, Ms JC Elizabeth, Asstt Prof/ECE were present. Participants were taught the texture analysis and classification and the related real time projects. Shri S Shaik Majeeth, Assoc Prof/ECE proposed the vote of thanks. The ISF also organized the faculty development programme on “Linear Integrated Circuits” on **Dec 16-19, 2016** in association with IETE Chennai Centre and IEEE. It was a good platform to address some teaching methodologies, basic concepts, challenges, problems, etc. to get deeper understanding on the subject and concepts. Ms Srigitha S Nath, HoD/ECE delivered the welcome address and Dr C Sheeba Joice, Prof & Dy Head/ECE spoke about the workshop. Dr EN Ganesh, Principal, SEC, Dr R Ramesh, Vice-Principal, (Academics), Dr R Senthil Kumar, Vice-Principal (Admn) facilitated the programme. Dr J Kamala, AP/ECE, College of Engineering, Anna University, Ms Shanthi Chelliah, Prof/Head, ECE, SMIT, Dr Anitha Karthi, Prof/Head, EEE, Rajalakshmi Instt of Technology were the external resource persons. Ms R Gayathri, Assoc Prof/ECE proposed the vote of thanks.
- Dept of ECE, **ISF at M Kumarasamy College of Engineering (MKCE), Karur (TN)** organized a guest lecture for 2nd year EC students on “Real time applications on Digital Circuits” on **Oct 15, 2016**. About 130 EC students participated. Another guest lecture for 3rd year EC students on “Applications of Antennas” was organized on **Mar 17, 2017** by Dr K Prabu, AP, SENSE/VIT University, Vellore with participation of 92 students.
- New **ISF at J B Institute of Engginnerring & Technology, Hyderabad** was inaugurated by Prof A Sarweswar Rao EC Member on **Oct 21, 2016**
- The **ISF at Gyan Ganga College of Technology (GGCT), Jabalpur**, was inaugurated on **Oct 22, 2016**. Chairman IETE Jabalpur Centre, Er Himanshu Shrivastava and Hony Secy, Dr Shailja Shukla, Dir GGCT, faculty members & students were present. A lecture by IETE Chairman motivated the students. Certificates for the events Circuit Hunt, Quiz were distributed. The ISF also conducted a seminar on “Role of M2M and IoT for Smart City Implementation” on **Nov 26, 2016** at Bharat Ratna Bhim Rao Ambedkar Institute of Telecom Training (BRBTRAITT)-BSNL, Jabalpur in association with JMC, PWC & IETE Jabalpur Sub-Centre. Eminent speakers were Er Sushil Kumar, DDG (IoT), TEC, DoT, New Delhi; Shri Ajay Sharma, Exec Engr, Municipal Corporation, Jabalpur; Prof (Dr) GC Manna, GGITS, Jabalpur (Retd CGM, BSNL, Jabalpur); Shri Vijay Kumar Nayak, DGM, BSNL Bhopal; Shri Gaurav Jai Singhanian, Consultant, Price Water Cooper House, New Delhi; Shri Ashish Bevarie, Smart City, PWC (ABD), IPE-Global, New Delhi and Shri Sanjeev Banjal, Advisor, TRAI. Students from various engg colleges were benefitted.
- **ISF at KCG College of Technology, Karapakkam, Chennai** and **IETE Chennai Centre** jointly organized a Faculty Development Programme on “Network Simulator (NS-2) for Wireless Networks” on **Nov 4-5, 2016**.
- Dept of ET at **ISF VIIT Vishwakarma Institute of Information Technology, Pune**, organized one week short term training program (STTP) on “Design, Testing, Performance Evaluation & Applications of Microwave Antennae 2016” during **Nov 21-26, 2016**. Eminent speakers included Dr S Pal, Vice-Chancellor, DIAT, Pune; Dr RK Shevgaonkar, IIT Mumbai; Dr KP Ray, SAMEER, Mumbai; Dr Girish Kumar, IIT Bombay; Dr DC Pande, Former Assoc Dir, LRDE, DRDO; Dr Jayprakash Thakur, Intel, Bangalore; Dr Y Ravinder, PICT, Pune; Dr S Raju, TCE, Madurai and Shri M Balachary, Scientist-H, Head Antenna Wing, DLRL, Hyderabad. Laboratories based on CST Microwave Studio & Vector Network Analyzer were conducted by Shri Kasyap Ramkrishnan, VIIT Faculty & workshop on Antenna by industry person, Shri Aniruddha Kulkarni. There was also an industrial visit to GMRT.
- A two-day workshop on “Design and analysis of modern antenna” was organized on **Dec 9-10, 2016** at ETC Dept of **ISF Karmaveer Kakasaheb Wagh Institute of Engineering Education & Research (KKWIEER), Nashik** in collaboration with IETE Nashik Sub-Centre. Dignitaries present were Dr KN Nandurkar, Principal, KKWIEER, Nashik, Dr D M Chandwadkar, HoD/ET and Chairman IETE Nashik Sub-Centre, Mrs Apurva Jakhdi, Member, IETE. The function was headed by Assoc Prof (Dr) S S Morade, Hony Secretary and Prof S S Dongare. Shri Ashish Mhaske, Research Trainee (Radio Physics Lab, Aayuka, Pune) was the chief guest. The Workshop was guided by Dr Y Ravinder, PICTE, Pune, Dr Amit Deshmukh, Shri DJ Sanghvi CoE, Pune, Dr Vinitkumar Dongare, Thakur CoE, Mumbai, Dr Kirti Inamdar, SVNIT, Surat.
- Dept of ECE at **ISF Velalar College of Engineering and Technology, Erode**, organized an IETE sponsored 3-day hands-on training on “VLSI Design Using Open Source EDA Tool-Aaron” for the benefit of the faculty and research scholars from **Dec 14-16, 2016**. Dr Cyril Prasanna Raj P, Dir, VLSI Signal Processing, MS Engineering College, Bangalore, Shri Ravi Kumar, Dir/software, Mr Zia ul Haq, Sanarys Private Ltd, Bengaluru, gave hands on training to the participants. Dr M Jayaraman, Principal of the College, inaugurated the workshop.
- IETE Chennai Centre and **ISF Ganadipathy Tulsi's Jain Engineering College, Vellore**, jointly organized a workshop “Smartphone & Laptop Service-Chip Level” on **Dec 23, 2016**.
- In association with IETE and Techno Tran, Hyderabad, a workshop on “Internet of Things (IoT)” was organized by the Dept of ECE at **ISF SKR Engineering College, Chennai** on **Dec 29-30, 2016**. Dr Kalpalatha Reddy Dean/ECE presented the welcome address. Dr M Senthil Kumar, Principal, emphasized on the importance of IoT in the modern era and motivated the

students to carry out research in the field of IoT. Fundamentals of embedded systems were discussed and later, software and hardware concepts of Arduino were elaborated. Programming the Arduino for interfacing LEDs, Switches, Temperature and Gas sensors was explained. On the second day, Home and Industrial automation based on IoT, using Arduino was demonstrated.

- **ISF at Dept of EC, Sri Venkateshwara College of Engineering, Bangalore**, organized FDP on Sensor Networks and Internet of Things (IoT) from **Dec 29-Jan 2, 2017** in association with IEEE Computer Society, Bengaluru and IETE Bengaluru Centre. The inaugural session was chaired by Prof Bindumadhava C-DAC Bengaluru, Prof HS Bhatia, Hony Secretary, Dr C Prabhakar Reddy, Principal, SVCE and Dr Shivashankar, HoD, E&CE, SVCE, Bengaluru. Prof C Murali, Registrar, MSR University, delivered a lecture on 5G and IoT – feature networks: development of services over wireless mobile generation, spectral availability and possible usage for 5G, network and services capabilities etc.
- **ISF at Kallam Haranadhareddy Institute of Technology, Chowdavaram, Guntur**, was inaugurated on **Dec 31, 2016** by Dr K Ramanjaneyulu, Prof/ECE, PVPSIT, Vijayawada, AP & Hony Secretary, Vijayawada Centre. Dr M Umasankara Reddy, Dir, KHIT, Dr K V Ram Prasad, Prof/ECE and other members were present. A technical quiz was arranged.
- Dept of ECE at **ISF Anil Neerukonda Institute of Technology & Sciences, Visakhapatnam**, organized a National Level Quiz Competition ‘EXPLORE-2K17’ on **Jan 5, 2017**. 253 teams from 10 different colleges participated and top 6 teams were screened for finals. Prof K Raja Rajeswari, IETE East Zone coordinator distributed prizes.
- **ISF at Anurag College of Engineering, Aushapur (ANRH), Hyderabad**, was inaugurated on **Jan 9, 2017** by Dr Narasimham. KVNSVPL, Group leader Electronic support group NCCCM/BARC Hyderabad. IETE Hyderabad Centre provided support and coordination in the establishment of the forum. Guests of Honour were Shri Akella Sarveswara Rao, Vice Chairman, IETE Hyderabad and Shri Terala Lingam, Sc/Engr “SF” from NRSC Hyderabad.
- Dept of ECE, **ISF at Nandha College of Technology, Erode**, organized an Industrial Seminar on “Ideas to Innovations” on **Jan 10, 2017**. The Chief Guest Shri Ashok Kumar, Regional Mgr, Studenting Era, New Delhi and Dr S Nandagopal, HoD/ECE, were the key speakers. The ISF also organized “Intra Department Meet” on **Feb 6, 2017**. 45 students presented their papers and participated in events like Technical Quiz, Multimedia and Ad-Zap. The best two were given prizes. The ISF organized another “Meet” on **Feb 11, 2017**. 24 students presented their papers and participated in events. The top three were given prizes. The ISF organized a NEFC Seminar on “Life Grows Healthy and Wealthy” on **Mar 1, 2017**, where Shri N Yuvaraj, Best Social Servicer, Yuva Health & Wealth Care, Erode, delivered a talk on how to save trees and why it was needed. The Dept of ECE, of ISF organized a 7th national level technical symposium on “TECHSPURTZ’17” on **Mar 3, 2017** in association with IETE Erode Centre. Shri S Devaneyan, Mg Dir, Sathyanarayana Renewable Energy Resources, Coimbatore, was the Chief Guest. Other notables present were Shri S Aravind Kumar, Dr R Nallusamy, Dr S Nandagopal and Dr S Arumugam. Students participated in events Project Expo, Multimedia, Ad-Zap, Fun Games, Treasure Hunt and Technical Quiz. The ISF organized International Women’s Day on “Confidence is the Mantra for Success” on **Mar 10, 2017**. Mrs V Latha, DRO-Gen Manager, Aavin, Erode, Dr P Shirijaa, MDDM, Nephrology and Renal Transplantation, Kalyani Kidney Care Centre, Erode and Ms Amudha Jayaprakash, Gen Manager, Ms Surabi Nursery, Vijayamangalam, Erode were the guest speakers accompanied by Smt Kannammal Arumugam, W/o Dr S Arumugam, CEO, Nandha Educational Institutions. The 4th national conference was organized by the ECE Dept of ISF on “Emerging Trends in Engineering and Technology” on **Mar 17, 2017**. Chief Guest Dr K Elayaperumal, Res Scientist & Head, Corrosion & Electro Metallurgy Section (Retd), BARC, Mumbai, shared industrial & professional experiences. The dept of ECE organized “Modern Trends in Mobile Communication” seminar on **Mar 21, 2017** with Dr K Ramesh, Prof/IT, NEC, Erode, as the Chief Guest and talked about communication basics, uses, features and applications etc.
- **ISF at Bharati Vidyapeeth’s College of Engineering for Women, Pune**, Dept ETC organized a seminar on “Career Opportunities in Space Science and Technology” on **Jan 11, 2017** by Mrs Leena Bokil. The ISF held another seminar on “Baby Steps to Master Carrier Success” by Shri Amit Agarwal, Vice President, Axiom, Singapore on **Feb 3, 2017**. A short inspirational video was also played which showed that why we need to be unique in our fields.
- **ISF at Babaria Institute of Technology (BIT), Vadodara**, organized a seminar on “Startup and Entrepreneurship” on **Jan 11, 2017** conducted by Shri Kumash Shah and Shri Dhruvit Pancholi. They motivated students to take up their ideas & turn it into successful ventures. Motivational videos were also shown to students to provide start up ideas. The seminar was held under the guidance of the HoD, Prof Twinkle Doshi and faculty coordinator, Prof Vaishali Salunke. Foundation Day of IETE ISF-BIT, was celebrated on **Jan 23, 2017** at EC Dept in the presence of honorable guests Dr Santosh Shah, Dir, R&D, Dr Pallavi Agarwal, Principal and Dr Jaymin Bhalani, Prof EC Dept. New committee for 2017-18 was announced and old committee members were felicitated. The guests delivered motivational speeches. Vote of thanks was proposed by former Vice-Chairman Shri Vaibhav Iyer. Chairman, IETE Vadodara Centre, Shri Tushar B Kher was invited as guest of honour in EXHIBITS-2017 on **Apr 8, 2017**, where he interacted with management committee and faculty members of Electronics Dept BIT and conveyed his appreciation for their participation in ‘Cyber Security’ held on **Mar 4, 2017**. He discussed with ISF Management Committee about outline for future programs that can be organised by ISF at BITS Varnama.
- **Dept E&TC at ISF MIT College of Engineering, Kothrud**, organized a talk on “Robotic Vehicles” on **Jan 13, 2017** with Shri Tanmoy Sinha as the resource person.
- An Industrial visit was organized by **ISF of SIT, Lonavala, Pune** to I-Medita Institute on **Jan 17, 2017**. The main objective was to make student aware of activities related to automation, networking and activities carried out in company. Prof Dipali Shende conducted & coordinated for the visit. A seminar on Research Grants & Funding was arranged by the ISF on **Feb 15, 2017**, where Dr Pradeepkumar Dhage from MIT Technology Business Incubators, Pune, was Chief Guest. ISF also organised a visit to “Snehwan” (Drought Affected Orphans) at Bhosari, Pune, on **Mar 17, 2017**.
- Dept of ET&C of **ISF at RMD School of Engineering, Pune**, started a professional society for students on **Jan 20, 2017**. Shri G K Dawara, Chairman- IETE, Pune; Shri Kishor Shende, Hony Secretary IETE, Pune; Principal Prof Dr C B Bangal and E&TC HOD Prof Mrs Snehal Bhosale were present.
- **ISF at Dept of ECE, GMR Institute of Technology (GMRIT), Srikakulam Dist, Razam (AP)**, conducted “Project Design Contest” on **Jan 26-27, 2017** under the banner of IETE. The event was inaugurated by Principal Dr CLVRSV Prasad; Vice Principal, Dr Raja Rajamurugadoss; HoD ECE, Dr MV Nageswara Rao and IETE Coordinator, Shri K Krishna Kishore. It provided a platform for showcasing innovations and representation of project works. 100 projects were on exhibition. The winners were declared as ‘Young Innovators of the Year’ and given cash prize. Automatic Feeding for Auqa Culture from GMRIT was awarded 1st prize with winners: Shri P Vamsi Krishna, Shri D Srikanth, Shri MLRS Prasad, Shri N Sravani and Ms K Priyanka.
- New **ISF at Jaya Engineering College, Chennai** was inaugurated by Dr Tata Sudhakar, Vice Chairman, IETE Chennai on **Jan 27, 2017**. About 150 members attended.
- **ISF at Jawaharlal Darda Institute of Engineering & Technology (JDIET), Yavatmal** organized one week Level-1 training program on “Basic Industrial Automation” in association with Prolific Systems & Technologies Pvt Ltd, Nagpur during **Jan 30–Feb 4, 2017**. About 40 students participated. The **ISF**





- organized “Xplore-17”- a national level technical event for engineering and polytechnic students in association with IETE Yavatmal Sub-Centre during **Mar 22-23, 2017**. About 350 participants, faculty members and experts participated. National level technical symposium “TechnoXtreme-17” in association with IETE Yavatmal Sub-Centre was conducted on **Mar 30, 2017**. About 850 students, faculty members and experts were present.
- **ISF at V V College of Engineering, Tisaiyanvilai, Tirunelveli**, celebrated IETE Student’s Day on **Feb 1, 2017**. Technical paper presentation and quiz were held on emerging fields such as Wireless Communication, Embedded system, Photonics, Wireless Sensor Networks, Nano Technology, Image Processing and Robotics.
 - The IETE Students Day Celebration-2017 was celebrated by the **ISF at S Veerasamy Chettiar College of Engineering and Technology (SVC CET), Puliyangudi, Tirunelveli, TN** on **Feb 2, 2017**. The function was inaugurated by Dr D Devaraj, Dean Academic, Kalasalingam University, Krishnankovil. Events like Technical paper presentation, Multimedia presentation, Technical quiz, Circuit debugging and code breaker were conducted. Cash prize and participation certificate were issued to winners and students.
 - Workshop on “Design and Simulation of RF & Microwave Devices: HFSS & ADS Tool” for software design flow of antenna design was held on **Feb 3-4, 2017** at **ISF at K Ramakrishnan College of Technology (KRCT), Trichy**. Dr S Suganthi, Prof & ISF Coordinator/ECE, taught theory and practical sessions followed by HFSS lab practice. A technical symposium was organized on **Mar 9, 2017**. Around 70 students from various colleges participated.
 - **ISF of Sree Narayana Institute of Technology, Adoor, Kerala**, functioning under IETE Trivandrum Centre organised a seven-day free training to local Kudumba Sree women on Internet Awareness during **Feb 5-11, 2017** focussing on Digital banking, paying bills like electricity, water, phone, train ticket booking, online shopping, recharging prepaid mobile/cable connections in TV, internet banking, creation of e mail id and sending emails.
 - **ISF at TJS Engineering College, Chennai** conducted guest lecture on “Communication Theory”, delivered by Shri A Sadagopan, AGM (Retd), BSNL on **Feb 8, 2017**. About 150 members attended. The **ISF** conducted another guest lecture by him on “Antenna and Wave propagation” on **Feb 15, 2017**. About 150 members participated.
 - Dept of ECE at **ISF Nandha Engineering College (NEC), Erode**, conducted “IETE Students’ Day” in association with IETE, on **Feb 8, 2017**. Paper presentation and multimedia presentation were conducted. Dr N Rengarajan, Principal, NEC, presided. Prof S T Sadishkumar, HoD/ECE, Prof T Jayachandran, AP/ECE, Prof R Murugasami, ASP/ECE were present. The **ISF** conducted another guest lecture in association with IETE Erode Centre on **Feb 17, 2017**. Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd), President IETE, the chief guest spoke on “Effective Utilization of IETE-ISF”. Prof R Murugasami, ASP/ECE, Prof S Nandhini, ASP/ECE, Prof T G Dharani, ASP/ECE, Prof R Murugasami, ASP/ECE and students of ECE, Nandha Engg College, attended. **ISF** conducted “Eradication of Prosopis Juliflora Tree” in association with IETE Erode Centre on **Feb 24, 2017**. It was inaugurated by Dr N Rengarajan, Principal, NEC. Prof S T Sadishkumar, HoD/ECE, Prof S Brindha, AP/ECE, Prof N Manikandaprabu, AP/ECE and Prof R Murugasami, ASP/ECE were present. 10th National Level Technical Symposium “GENESIS 2K17” was conducted in association with IETE on **Mar 14, 2017**. Shri M Saravanan, Chief Engineer, KG Fabrics Pvt Ltd, SIPCOT, Perundurai, was the chief guest. Prof ST Sadishkumar, HoD/ECE, Prof T Jayachandran, AP/ECE, Prof R Murugasami, ASP/ECE and students were present. The ECE Dept in association with IETE conducted a FDP program on **Mar 16-17, 2017**. Shri Nirmal Saravanan, Co-Founder, Breath Electronics, Chennai, was the resource person and conducted hands on training in “Raspberry Pi & Cloud Integration”. International Conference on “Recent Innovations in Engg, Technology and Management” was conducted on **Mar 25, 2017**, where Shri Abdul Gomaz, Dir-Schuf Specialty Valves India Pvt. Ltd., Schuf Group of Companies, Frankfurt, Germany and Shri V Ranganathan, Program Dir, Capacity Building-ISRO & Dy Dir, SDSC-SHAR, Sriharikota, addressed the gathering.
 - **ISF at Marri Laxman Reddy Institute of Technology (MLRIT), Hyderabad**, conducted workshop on “PCB Fabrication” for Diploma students on **Feb 8, 2017**. A FDP Programme on “Analog & Digital IC Design using E-CAD” was organised on **Mar 8-9, 2017**.
 - A lecture was delivered by **Col K S Chakravarthi**, Vice Chairman of Indian Institution of Plant Engineers, (TN) and Past Chairman IETE Chennai on “Mobile Technology 1G and beyond and its impact on the quality of life” at **ISF Dr MGR Educational and Research Institute University, Chennai**, on **Feb 8, 2017**. The lecture focused on IoT, smart machines, robots, smart city, 3D printing, smart health care and smart phones etc.
 - IETE Students’ Day on **Feb 9, 2017** at **ISF of Mepco Schlenk Engineering College, Sivakasi**, was organized with Dr R Shantha Selva Kumari, Sr Prof & HoD/ECE Dept. Welcome address was delivered by Shri S Vinayak, Member ISF and the Presidential Message was read out by Shri M Manivignesh, Member ISF. It was co-ordinated by Shri A Kamaraj, AP and Ms V Gnanalakshmi, AP Faculty, ECE Dept. Activities like Paper Presentation, Circuit Debugging, Quiz and Best Manager were organized. A guest lecture on “Graph Signal Processing” was organized on **Mar 2, 2017** for ME students, delivered by former Prof (Dr) K R RamaKrishnan, EE/IISC, Bangalore.
 - **ISF at CMR Technical Campus, Hyderabad**, conducted workshop on “Raspberry Pi” for the students on **Feb 10, 2017**. **ISF** also conducted a Technical fest on **Mar 25, 2017**.
 - **ISF** at Dept of ECE, **JP College of Engineering, Ayikudy**, organized a technical competition on **Feb 10, 2017**. Over 76 students participated. Mrs M Shenbagavalli, HOD, Principal Dr D Gnanadurai and Rev Sr Judelisa, encouraged the students for active participation in various technical events to sharpen their skills. The competition was coordinated by V Ayyappan, Asst Prof, ECE. The winners were felicitated.
 - **ISF** at Dept of Electrical (Electronics & Power) Engineering, of **Pankaj Laddhad Institute of Technology & Management Studies (PLITMS), Buldana**, conducted a four-day workshop on “Electrical Wiring” during **Feb 13-16, 2017** by Prof R B Pandhare, HoD. It was coordinated by Prof P R Jawale, Asst Prof Shri Arun D Bhalerao & Shri Nitin A Rindhe, Dept Technician. About 40 students attended. The **ISF** conducted a two-week course on “Signals and Systems” on **Feb 15-28, 2017** under continuous Education Program in association with IETE -ISF & CSI students branch. Prof R B Pandhare, HoD, Electrical (Electronics & Power) Engineering was the resource person. 38 students attended. **ISF** organized a conference and technical event on “Convergence-2017” on **Apr 9, 2017** in association with CSI, ISTE, IETE, IEI student chapters of PLITMS.
 - New **ISF** at Dept of EC of **L D College of Engineering (LDCE), Ahmedabad**, was inaugurated on **Feb 14, 2017** with the support of Dr GP Vadodaria, Principal, LDCE, Shri VK Jain, Chairman, IETE Ahmedabad Centre, Prof Usha Neelakantan, HoD/EC, and Dr BS Sedani, **ISF** Coordinator. Prof Neelakantan and Dr Vadodaria delivered motivating speeches. Shri Jain encouraged young **ISF**/college students to make their own NANO/LEO satellites or even a small payload for scientific/experimental/educational purpose. Shri Sumitesh Sarkar, Gp Dir, Satcom and Navigation Payload System Engineering, SAC, chief guest, delivered a talk on “Advanced Satellite Communication” and explained career opportunities in ISRO.
 - **ISF** at **MVSR Engineering College, Hyderabad** celebrated 7th IETE Students’ Day on **Feb 14, 2017** where Technical Extempore Contest, Technical Crossword Puzzle and Technical Quiz were held.
 - Inauguration of **ISF** at **Sri Sakthi Institute of Engineering & Technology, Coimbatore**, was held on **Feb 17, 2017**. Shri C Arun Kumar, IETE Coimbatore Centre, Student Coordinator, Amrita School of Engineering, Coimbatore was the chief guset who presided over the function. He insisted

the faculty members to take up the research work. Keynote presentation on 'Emerging Trends in Mobile and Wireless Technology' was delivered by the Chief Guest.

- **ISF at K J College of Engineering & Management Research, Pune** conducted 3rd National Level Project and Poster Expo for Engineering and diploma students on Gravity 2k17 on **Feb 17-18, 2017**. The Chief Guest on the occasion was Bhai Vaidya and Guest of Honour Shri Dawara GK, Chairman IETE Pune. A National conference on "Signal processing, Computer Modeling and Mechatronics" was held on **Mar 11-12, 2017**.
- **ISF at Dept of ECE, VKR, VNB & AGK College of Engineering, Gudivada, Krishna-Dt (AP)** conducted a one-day national level workshop on "Signal & Image Processing Using Matlab" on **Feb 18, 2017** by Dr VVSSS Chakravarthy, AP/Raghu Institute of Technology. About 100 students from various depts participated. Shri V Ramesh Babu, HoD and Shri G Rajendra, AP/ECE were present during this training.
- Guest lecture was held on "Asynchronous Circuits Design" at **ISF of AVC College of Engineering (AVCCE), Mayiladuthurai, Nagapattinam**, on **Feb 20, 2017**. Dr M Senthil Murugan, Dir, AVCCE, presided over the function, while, Prof (Dr) M Santhi, HoD/ECE, Saranathan College of Engg, Tiruchirappalli, was the Chief Guest and resource person. Prof (Dr) S Sivaneskumar, Head/ECE, AVCCE, welcomed the gathering and Prof M Kiran Kumar, ISF coordinator & convener of the programme gave the inaugural address on "Asynchronous Circuits Design".
- **ISF at Dept of ECE, ACS College of Engineering, Bengaluru**, inaugurated the ISF activities on **Feb 20, 2016**, presided over by Prof H S Bhatia, Hony Secretary, IETE Bangalore Center. Key note address was delivered by Prof C Murali, Vice President, IETE on "Emerging Trends in E&C for better tomorrow".
- Dept of ECE at **ISF Mount Zion College of Engineering and Technology (MZCET), Pudukkottai Dist, (TN)** conducted a one-day workshop on "Python Programming" on **Feb 22, 2017**. Shri Jayabarathan Chelliah, Chairman, Mrs Florence Jayabarathan, Vice-Chairperson of the Mount Zion Educational Institutions and Dir, Prof Jayson K Jayabarathan addressed the gathering. Principal, Dr P Balamurugan, Dr S Robinson, were present. Shri T Sivakumar, GM, SFIT System, Trichy was the chief guest and gave a detailed account of information processing and data security.
- **ISF at Dept of ECE, B S Abdur Rahman Crescent University, Chennai**, arranged a three-day hands-on training on "LabVIEW Software" in association with IETE Student Forum, IE (I) and Optithought, Academic Partners of National Instruments, Bangalore during **Feb 23-25, 2017**.
- **ISF at Dharamsinh Desai University (DDU), Nadiad (Gujarat)** organized a tech-fest - "Tech Crusade" on **Mar 8-9, 2017** having number of activities to improve technical skills of students, viz. Programming Contest; Google Advance Search contest; Group Discussion and Seminar on IoT. Experts from e-Infochip were invited to deliver expert talk. Winners of different activities were given prizes and certificates.
- **ISF at Sri Sai Ram Engineering College, Chennai & IETE Chennai Centre**, jointly organized an International Conference on Computational Science & Technology-2017 during **Mar 9-10, 2017**. 250 members participated.
- **ISF at Adhiyamaan College of Engineering (Autonomous), Hosur (TN)** organized 4th National Conference on "Emerging Trends in Information, Communication, VLSI design and Embedded Systems" during **Mar 9-10, 2017**. It was inaugurated by Mrs Nigar Shaji, Project Director, Aditya L1 Mission, ISRO Satellite Centre, Bengaluru, Prof H S Bhatia, Hony Secretary, IETE Bengaluru Centre graced the event as Guest of Honour. Dr G Ranganath, Principal presided. Dr T Menakadevi, Coordinator-ISF, welcomed the delegates. Mrs Nigarshaji delivered a keynote address on the topic of "Challenging Issues in Satellite Technology". About 140 students presented their technical papers.
- **ISF at Priyadarshini Engineering College (PEC), Vaniyambadi-Vellore (TN)** inaugurated its new session at ECE Dept on **Mar 15, 2017**. The ISF has been set up with 51 students. The IETE Chennai Centre provided support and coordination in the establishment of the forum. Shri RPB Sundaram, EC member, IETE Chennai Centre and Prof Dr P Natarajan, Principal, PEC, Prof (Dr) M S Saleemullah, Vice Principal, PEC were present. Shri Sundaram delivered a talk on the topic "Role of an Electro-Optics in Defence".
- **ISF at Manipal University, Jaipur**, in association of SPIE Student Chapter of Manipal University organized a seminar on "Recent Advances in Communication Technologies" on **Mar 17, 2017**. The workshop featured invited talks of Dr Tawfik Ismail and Dr Hossam A Selmy from Cairo University (Egypt), Dr Sigang Yang from Tsinghua University, Beijing (China), Dr Paolo Minzioni from University of Pavia (Italy) and Dr Ghanshyam Singh from MNIT, Jaipur.
- A debate competition on "Demonetization of Indian Currency" was organized on **Mar 17, 2017** at **ISF of Sandip Institute of Polytechnic, Nashik**. Principal Prof S D Pawar, of the Polytechnic inaugurated the program. Principal Prof S D Pawar and Prof A N Pawar addressed students. Programme concluded with the address of Prof S M Mansute.
- **ISF at Chennai Institute of Technology, Chennai** conducted a Guest Lecture on "Wireless communication (1G to 5G)", delivered by Sri J Santhakrishnan, former DGM, BSNL, Chennai Telephones on **Mar 17, 2017**. About 175 members participated.
- The valedictory function at **ISF Kongu Engineering College (KEC), Erode, TN**, was arranged on **Mar 22, 2017** presided over by Thiru A Venkatachalam, Correspondent, KEC. Shri S Sundaramoorthy graced the event as Chief Guest. Valedictory address by Shri S Sundaramoorthy, CEO, Sunshiv Electronics Solution, Coimbatore, was on "Current Trends in the Electronic Industry". The other eminent personalities present were - Prof S Kuppuswami, Principal/KEC; Dr G Murugesan, HoD; Shri M Saravanan.
- **ISF at Dept of ECE of Poornima College of Engineering, Jaipur**, in association with IETE Rajasthan Centre, Jaipur organized a Student Project Exhibition" on **Mar 24, 2017**. 88 students participated. Dr Ghanshyam Singh, Chairman IETE Jaipur Centre judged the event and later addressed them. The other notable speakers were Dr Om Prakash Sharma, Director PCE and Dr Garima Mathur, HoD, ECE Dept.
- **ISF at CK College of Engineering & Technology, Cuddalore** conducted a talk on 'Benefits of IETE' and a technical presentation on 'Role of Electro - Optics in Defence' by Shri RPB Sundaram, former AGM, BEL & EC Member IETE Chennai Centre on **Mar 28, 2017**. About 50 members attended.
- A new **ISF at SA Engineering College, Chennai**, was inaugurated by Dr Swarna Ravindra Babu, Chairman, IETE Chennai on **Mar 31, 2017**. About 250 members were present.
- **ISF at Chitkara University, HP**, organized the 1st National Symposium on Computing Analytics & Networks NCAN2017 on **Apr 15, 2017** to provide young budding researchers an opportunity and platform to present their research work. NCAN 2017 featured 4 keynote addresses. The first address was delivered by Prof Dr B Yegnanarayana, former Prof IIT, followed by a talk on 'Computing in Graphics and Beyond' by Prof Dr Ojaswa Sharma, from IIIT Delhi and third keynote address was in the area of analytics delivered by industry expert, Shri Atul Srivastava, NewGen Software. The final keynote address was by Prof Dhananjay V Gadre from NSIT, New Delhi, on BeagleBone Black for IoT, Data Aggregation & Computing. The tutorial was attended by 20 participants and conducted by Prof. Dhananjay V Gadre and his former student Mrityunjai Kumar.

IMS based Mobile Cloud Services for IoT



Internet of Things (IoT) is a new revolution enabling communication between variety of objects and devices. Mobile Cloud Computing is the developing paradigm providing range of services by an Internet-based cluster system. However IoT objects, devices and machines do not have proper framework to access cloud services. In telecommunications, service provisioning for Next Generation Networks is expected to be implemented via the IP Multimedia Subsystem (IMS) based on Session Initiation Protocol (SIP). The IMS service architecture is developed by the 3rd Generation Partnership Project (3GPP 2008) to establish and maintain multimedia sessions using an all IP network. Since IoT and cloud computing use an all-IP network, IMS is envisioned as a prime candidate for integrating IoT and cloud system. This is achieved by integrating IMS Application Servers (AS), Call Session Control Functions (CSCFs), Home Subscriber Systems (HSSs) and IoT servers in cloud. Session Description Protocol embedded with in SIP is utilized by the CSCFs to interact within CSCFs, ASs and IoT servers. With this integrated framework called as IMS based Mobile Cloud Services (MCS), the IoT devices can communicate with the IMS and IoT servers smoothly and IoT devices, users can effectively retrieve information from servers. IoT applications are used in the smart areas viz., smart cities, smart health, smart mobility and transport, smart factory and manufacturing, smart energy and smart grid. Access to applications and data is possible from any IoT device connected to Internet, from anywhere and at any time using IMS based MCS. In fact, with the help of IMS based MCS both data storage and processing take place on the cloud and also it has got the potential to provide a data security model for IoT devices and users, alleviating limitations of IoT.

- by Dr E PRINCE EDWARD, M.E., Ph.D., FIETE (F- 500437L), MISE (USA), MIE, MISTE
Sri Krishna Polytechnic College, Coimbatore

OBITUARY

With profound grief we inform the sad demise of the following IETE illustrious members. IETE fraternity extend deepest sympathies and condolences to their bereaved families.



to IETE.

Maj Gen Prem Prakash (Retd) a Distinguished Fellow of IETE (**DF-025655L**) passed away on 18th Feb 2017 at Noida (UP). He had been closely associated with the institution and served as its Governing Council Member during the years 1994-97 & 1998-1999; as Vice President during 1999—2003 & 2003-2005 and as Secretary IETE during 1988-1992. His contribution in increase in the IETE Student Membership has been widely acknowledged. He was also the Chairman of IETE Delhi Centre and contributed significantly towards its overall growth. He was instrumental in opening of IETE Centre at Shimla. His death has been a great loss

Maj Gen Yashwant Deva, AVSM (Retd) a Distinguished Fellow (**DF-002695L**) and a Past President of the Institution passed away on 17th Mar 2017 at New Delhi. The Institution condoles the passing away of one of its illustrious senior members.



Maj Gen Yashwant Deva was a scholar, writer and defence analyst of repute. During his service career, he held various appointments in India and abroad. The latter included— on staff of International Commission for Supervision and Control (ICSC) in Vietnam, Military Attache in Afghanistan, and Chief Signal Officer of Indian Peace Keeping Force (IPKF) in Sri Lanka. He was a veteran of 1965 and 1971 wars, Op Pawan in Sri Lanka and internal hostilities and armed conflicts in J&K, Nagaland and Manipur.

He wrote in the newspapers, service journals, periodicals and on the Web on technology and security related issues of topical interest. Was widely quoted in India and abroad as an authority on various security facets of electro-technology, e-intelligence, cyber-security and infowar. His works have been placed in the national libraries of the various countries including those of the parliaments, and on the Best of the Web.

Maj Gen Deva served in IETE Governing Council during 1995-98 & 1999-00, President 2000-2002 and as Immdt Past President 2002-2006. He continued to take active part in every activity of the Institution till the last days of his life. He will remain a source of inspiration to all of us.

Awards & Achievements



Dr T H Chowdary a Distinguished Fellow (**DF-022876**) & Past President (1989-90) of IETE, has been conferred country's prestigious **Padmashri Award** by the President of India on 13th Apr 2017 at New Delhi. The Award was given to him in appreciation of his decades long work in and outside the DoT, viz. for introducing new services, new work culture; de-monopolizing and corporatizing telecoms, privatizing them

and regulated competitions, transforming telecoms into electronic-photonic-radio transportation infrastructure for electrified information (voice, text, graphics, video, data) storage and exchange and for e-services (government, commerce, education, finance and banking, software). Dr Chowdary has been associated with the IETE since its founding in 1953. Hearty Congratulations!



Brig S V S Chowdhry (Retd) Distinguished Fellow (**DF-017163L**) & Past President (1994-96) of IETE was recently conferred the prestigious **Bharat Gaurav Award** by the India International Friendship Society at Awards Ceremony at New Delhi. The Award was presented to him by **Dr**

Bhisham Narain Singh, former Governor of Tamil Nadu and Assam. Brig Chowdhry is also Past President of the CSI. He has also been the recipient of Lifetime Achievement Awards from IETE and CSI. IETE wishes him more successes.



Shri BP Shrivastava (F-019030L) Former Chairman, IETE Noida Centre has been awarded **Life Time Achievement Award** for his contribution in the field of Broadcasting by the Minister of Information and Broadcasting at BES Expo 2017 on 2nd Feb 2017. IETE congratulates him on this achievement!



Dr Balasaheb Shrirangrao Agarkar (F-174514L), Professor in the Dept of E&TE, Sanjivani Rural Education Society's Sanjivani College of Engineering, Kopergaon, has been awarded **PhD in Electronics Engineering** by Swami Ramanand Teerth Marathwada University, Nanded for his thesis, titled, "High-Speed Packet Classification Algorithms for Next Generation Network Services". Congratulations!



Prof Sri Niwas Singh (F-165588) & Chairman IETE Kanpur Centre, has been appointed as the **Vice Chancellor of Madan Mohan Malviya Technical University (MMMTU), Gorakhpur, UP** for a tenure of three years. Prof Singh is presently serving in the Electrical Engineering Dept, IIT, Kanpur. Hearty Congratulations To Prof S N Singh!



Dr Parameshchhari B D (M-228079) received **Young Scientist Award** at Aufau International Award 2016 for his contribution in the field of ECE and Venus International Research Awards-VIRA for initiatives, discoveries, and developments in the discipline of Image Processing in Dec 2016.

Shri Shanker Jha (M-237754L) has won 2016 Consulting Excellence Award for GDC by Teradata— a global leader in Data-ware House & Data Management solutions for Analytics.

ECI News

Engineering Council of India (ECI)'s 15th Foundation Day Celebration which normally should have been held on Apr 4, was shifted to Apr 5, 2017 due to public holiday. The Chief Guest was Dr Justice Arijit Pasayat (Retd Judge of Supreme Court of India and Vice Chairman, SIT). The other invited dignitaries on the dias included Prof Anil Sahasrabudhe, Chairman in-Chief, Army HQ. Following the tradition, Eminent Research & Consultancy were presented on this Parikh (Chairman), Dr RA Mashelkar, Mr B and Dr DV Kapur selected: Prof MM Sharma-of Chemical Technology, Mumbai and Chairman, **Consultancy** Category and Mr S Ramadorai-Former Authority of India, in the **Industry** Category. The presented to each of the awardees by Dr Justice Arijit accomplished engineers. Since Mr Ramadorai could was collected by his representative Shri Rajdeep



AICTE and Lt Gen Suresh Sharma AVSM, Engineer-Engineers' Awards in 2 categories-Industry and day. The high level Jury consisting of Dr Kirit Muthuraman, Mr Mahendra Raj, Dr Baldev Raj Former Emeritus Professor of Eminence, Institute Board of Governors, IIT, Madras, in the **Research & CEO, TCS and Chairman, Skill Development Awards, in form of a Trophy and a Citation** were Pasayat, in presence of a glittering gathering of not come personally due to preoccupation, his award Sahrawa, TCS.

In order to boost the Registration Process for Engineers and encourage Corporates and Technical Institutions to join in the campaign, '**Partner in Progress**', shields were presented. Thiagarajar College of Engineering (TCE), Madurai was recognized for their outstanding support to the registration process in the Technical Institution Category. The shield was collected by Prof Abhai Kumar, Principal and Prof Arunachalam, Dean for Academic Process of TCE, Madurai. In the Corporate Category it was bagged by the JMC Projects (India) Limited, Bengaluru and the shield was collected by Shri VG Shanbhag.

IETE in News . . .



IETE Organisational Members Activities

- ❖ **Sasi Institute of Technology and Engineering, Tadepalligudem (AP)** an IETE Organisational Member (G00517) & ISF conducted a string of events, viz. a two-day workshop on “IoT Tools” for third year/ECE students on 28th-29th Sept 2016 with an objective to introduce them to the various possibilities with IoT and design challenges involved and provide hands on experience with Arduino Uno board. **Shri Mohan Reddy & Shri NVS Jitendra Axelta Systems, Hyderabad**, speakers introduced students to the scope of IoT and hardware and software development approach. Another two-day workshop on “Lab VIEW” was conducted for II year/ECE students on 9th-10th Dec 2016 with an objective to introduce them to the virtual instrumentation and graphical programming using LabVIEW and gets hands on experience with NI’S DAQ boards and Compact RIO. **Shri Charles, Sr Field Application Engineer, National Instruments (NI)** discussed about software, basic instructions, data types and various programing concepts. One-day guest lecture on “Digital flight control systems for Aerospace vehicles” by **Dr G Mallikarjuna Rao Scientist ‘F’, DRDO**, for final year/ECE students on 7th Jan 2017 with an objective to make students aware on various modules involved in the working of Aerospace vehicles. The students were introduced to the concepts of propulsion system, thrust production, weapon system management, guidance and control. He discussed about usage of various antennas and their working. A one-day guest lecture on “Advancements in Wireless Communication” by **Dr B Subbarao, IIT (KGP), GVP College of Engineering, Vizag**, on 25th Jan 2017 for final year/ECE students with an objective to improve technical knowledge in the area of Wireless Communication and wireless standards. Started the session with evolution of cellular networks, different modules involved in communication and the state of the art in 4G and 5G communication standards.
- ❖ **Muthayammal Engineering College, Rasipuram, (TN), Org Member of IETE (G-00343) & ISF** organized a Guest Lecture on “Correlation & Spectral Densities” on **Mar 11, 2017**. Dr S Shanmugasundaram, Prof of Mathematics, Government Arts College, Salem, was the Chief Guest and he explained ideas of spectral densities and its application. Project Contest was organized on **Mar 16, 2017** at ECE Laboratory for final year ECE Students. Prof T Kowsalya, HoD welcomed the participants.

Call for Nominations for IETE Awards-2017

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

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

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

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

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

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

NOMINATION PROCEDURE AND SUBMISSION/ CRITERIA

- Nominations can to be made by: Heads of Institutions/Organisations/Departments, IETE Honorary/Distinguished Fellows/Past Presidents/Governing Council Members/Fellows for 10 years or more and Organisational Members.
- Members of "External Jury of Experts" and the "Board of Recognition of Excellence" cannot nominate individuals for IETE awards including IRSI awards. Also, a nominator should not be a member/expert of any Selection or Evaluation Committee for that Award.
- "Call for Nominations" for the Awards is published every year in the Nov-Dec and Jan-Feb issues of IETE Journal of Research and IETE Technical Review and is also made available on IETE website, <http://www.iete.org> (home page – latest information).
- Nominations should be made only in the prescribed Nomination Form available on IETE website: <http://www.iete.org>, freely downloadable and all the statements must be concise and confined to the allotted space only.
- A proposed 'Citation' (limited to 30 words only) should be included in the Nomination Form at the appropriate place. Absence of this Citation may disqualify the nomination.
- 06 hard copies and a soft copy in PDF format in a CD of the duly filled-in Nomination Form typed in 10 pt or larger font, complete in all respects together with the list of scientific and technical publications, if any and other required documents should be sent in a sealed cover .
- The awards are generally open to Indian nationals for their work done in India.
- The nominators and nominees need not be members of IETE that means all the Awards are open to everyone except IETE – B R Batra Memorial Award and IETE Technomedia Award for Young Women in Engineering.
- There is no age limit for these awards, except in case of IETE – IRSI (83) Young scientist award with the upper age limit of 35 years; IETE Technomedia Award for Young Women in Engineering, where age should not be more than 50 years AND for IETE Life Time Achievement Award where the age is 70 years or above.
- The contributions and achievements of the nominee should have the potential of significant impact on the future developments in India in the respective fields recognized for the award.
- The nominee should have demonstrated potential for creative output and should not have received an award for that work earlier. Also, nominee should not have received any of the IETE awards during the last 3 years.
- No self-nomination will be considered.
- Sitting Governing Council Members and expert jury members are not eligible for any IETE Awards.
- One nominator should not nominate more than one nominee for the same IETE award. However, one nominator can nominate more than one nominee for different IETE awards.
- One nominee shall not be given more than one IETE award in a year.
- Nomination of the same person to be restricted to a maximum of two categories in a year.

Selection Procedure

Nominations will be reviewed by the Board of Awards consisting of the members of the Governing Council of IETE after the recommendations from jury members, before final selection.

If you have any query please mail us at mgeditor@iete.org or contact : +011-4353845

FORM – IV (See rule 8 of the PRB Act) Statement about ownership and other particulars about newspaper

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I, Maj Gen P K Jaggia, VSM (Retd) hereby declare that the particulars given above are true to the best of my knowledge and belief.

Sd/-

Maj Gen P K Jaggia, VSM (Retd)

Signature of Publisher

Dated: 01March 2017

ATTENTION ALL MEMBERS

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

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

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

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