

IETE wishes all the members and their families a very happy and prosperous New Year

From President's Desk



Dear Members,

Let's give a warm welcome to 2019. May the New Year bring us more wonderful opportunities to work together and allow us to focus on our commitments and actions for a more fruitful year ahead.

The past month saw IETE conduct a number of activities that included an International conference on *IoT, Big Data Analytics & 5G* at UR Rao Satellite Centre, Bengaluru. The conference was addressed by distinguished personalities, namely- Dr K Sivan, Chairman Dr K Sivan, ISRO, Dept of Space, Govt of India; Dr A S Kiran Kumar, Former Chairman ISRO & Secretary DoS; Shri P KunhiKrishnan, Director URSC & Conference General Chair; Shri Vipin Tyagi, Exec Director, C-DoT; and Shri Bogdan Baranga, Director Technical, PTC Inc, from Bucharest Romania. The participants attending the programme learnt from a number of inspirational and innovative leaders. This event held a special importance as IETE conferred IETE Honorary Fellowship on Dr K Sivan.

The 24th Sir J C Bose Memorial Lecture was delivered by Dr Tapan Misra, Sr Advisor & Ex Director, SAC, ISRO, on the Tangible Benefits to Society from ISRO's Programme at Kolkata on 1st Dec 2018. Another International Conference was organized jointly with by IETE Ranchi Centre, ISVE, BSNL on Nano-electronics, Circuits & Communication Systems (NCCS) on 3-4 Nov, graced by Shri Vinay Kumar Choubey, Principal Secretary IT, Govt of Jharkhand. It gave a great opportunity to connect with attendees from different perspectives and views, learn from them, make new relationships, and strengthen existing ones.

IETE also established a new Professional activity Centre (PAC) and an IETE Student Forum (ISF) at Sahyadri College of Engineering and Management, Mangalore, on 10th Nov 2018. I take this opportunity to appeal all my Centre Chairpersons to strengthen the IETE ISF base. For this each Centre has to make concerted efforts to reaching out to new Colleges of their region and try embracing them under IETE's aegis.

Talking of AICTE recognition update, I would like to inform all our students that the matter came up in the court on 15th Nov 2018 and the learned AICTE advocate informed that the matter is pending with the concerned Ministry and would take three months to conclude. The honorable Judge has ruled that the completed guidelines for professional societies be presented in the next hearing on 28th Jan 2018. So IETE shall wait for the announcement of guidelines for professional societies.

Reflecting on IETE's initiative of setting up of an IETE University at Ranchi, I am happy to inform that IETE officials under the chairmanship of IETE Past President, Lt Gen (Dr) AKS Chandele, AVSM, PVSM (Retd) met the Cabinet Secretary General, Jharkhand and briefed him of IETE's proposal. The authorities have shown their interest and accordingly a detailed project report, which is under preparation will shortly be submitted to the Ministry.

Friends, you will find more details inside along with updates from IETE Centres and hope you enjoy this issue. I conclude seeking the cooperation and support of all the stake holders for taking the Institution to the higher levels of excellence.

Happy New Year!!

Prof (Dr) KTV Reddy

CONTENTS

From President's Desk	1
Report on 61 st AIC of IETE	2
3 rd Innovators and Industry Meet	4
65 th IETE Foundation Day Celebrations	7
Nominated IETE G C Members (2018-19)	9
New Members enrolled/upgraded	10
News from Centres/ Sub-Centres	11
News from IETE PACs	25
ISFs News	26
Awards and Achievements	35
Call for Nominations for IETE Awards-2019	36



IETE HQs, New Delhi



News from Headquarters

IETE 61st Annual IETE Convention (AIC) - 2018 on “Smart Engineering for Sustainable Development”

Growth in technology has affected every field of specialization and walk of life. The increasing use of Artificial Intelligence and Machine Learning based smart devices has already started touching the life of a common man. However, the sustainability in terms of human values, health, resources and environment are key issues. At present our practices are based on a model of controlling nature rather than cooperating with nature. If on one hand, the use of smart devices and engineering practices are considered important for empowerment, then on the other, one needs to contribute to the building of a more sustainable, stable, and equitable world. In order to address these important requirements, IETE held this year's **Annual Convention** during 29-30 September on the theme, ‘**Smart Engineering for Sustainable Development**’ at **Amravati**.

The event was held in the Auditorium of Prof Ram Meghe Institute of Technology and Research (PRMIT&R), Badnera – Amravati, which is situated at the lush green campus and provided an intellectually stimulating environment, where delegates - mostly youngsters bubbling with their findings - gathered for exchange of ideas. AIC-2018 was a resounding success where everyone interacted fruitfully to understand implications of this transformative technology. Interestingly, the presence of overseas Awardees from USA has added tremendous value to the depth of interactions.

The inaugural session was graced by **Shri Hansraj Ahir**, Union Minister of State for Home Affairs and **Shri Pravin Pote**, Minister of State for Industries and Mining, Public work and Environment as the Guest of Honour. The other dignitaries present on the occasion were: **Prof (Dr) KTV Reddy**, President IETE; **Prof M N Hoda**, Chairman, Technical Programmes & Publicity Committee (TPPC); **Dr Nitin Dhande**, President Vidarbha Youth Welfare Society, Amravati; **Prof (Dr) PV Ingole**; Chairman IETE Amravati Centre and Convener; **Dr A P Thakare** Governing Council Member, **Lt Col Dipankar Sen (Retd)**, Secretary General IETE. The members of the Governing Council, Past Presidents; Distinguished Fellows of IETE; members from IETE Centres; delegates; awardees; special invitees; students and members from the media also graced the occasion.

Dr Nitin Dhande, President Vidarbha Youth Welfare Society, Amravati host society, delivered the welcome address and **Prof (Dr) P V Ingole** Chairman IETE Amravati Centre and Convener, provided overview of the AIC 2018 programme. **Prof (Dr) KTV Reddy** was re-installed as President of IETE for the year 2018-19 by the Chief Guest. In his address the President IETE underlined the relevance of smart devices, which are equipped with the latest technological innovations and the role of country like India in the growth of such enabled devices even when majority of population is less privileged. He also enumerated the importance of training of the manpower for use such devices thus reducing the digital divide. Mentioning about the statistics, he said India having 500 million+ net users, which is second to China, is aspiring

to emulate companies like Apple, Alphabet, Microsoft, Amazon for a knowledge economy to create a complete new breed of skilled manpower. **Prof (Dr) KTV Reddy** also outlined his dream-vision of setting up of the IETE University in near future.

Life Time Achievement Awards were presented to **Padmashri Dr T H Chowdary**, Distinguished Fellow & Past President IETE who selflessly served

the profession for over five decades and to Past President **Shri R K Gupta** who revolutionized the Doordarshan and Akashwani while working as Engineering Director of Prashar Bharati. Distinguished Fellowships were conferred upon **Dr M H Kori**, Former Technical Director, Alcatel-



Prof (Dr) KTV Reddy being installed as President IETE for the second term by the Chief Guest **Shri Hansraj Ahir**, Union Minister of State for Home Affairs

Lucent Technologies and **Dr K Laxminarayana**, Former Prof & HoD, JNTU, Hyderabad.

IETE announced the name of Chairman ISRO and Secretary Dept of Space, **Dr K Sivan**, as the Honorary Fellow of the Institution but the award couldn't be conferred due to his unavailability on the occasion. A Souvenir of the AIC 2018 was released by the distinguished guests to commemorate the event.

The IETE **Best Centre awards** were also given away on this occasion. The 1st position was bagged by – IETE Delhi Centre; the 2nd position was won by IETE Bangalore Centre. The **Best Sub-Centre award** was won by IETE Yavatmal Sub-Centre.

The Chief Guest **Hon'ble Shri Hansraj Ahir** in his address mentioned about the sustainable development goals as set by the international community that aims to build a more



prosperous, more equal, and more secure world by the year 2030. He also touched upon India's national development goals and its "development with all, and for all," policy initiatives for inclusive development. Guest of Honour **Shri Pravin Pote** stressed on the need for balanced growth in all fields using the latest technological innovations, through his address.

Dr A P Thakare Governing Council Member, in his address outlined the historical background of the **Bhabha Memorial Lecture** that are given by eminent personalities every year at this function. This year **Prof (Dr) M S Ali**, Principal Prodr Ram Meghe College of Engineering and Management, Amravati, delivered this prestigious lecture. His lecture envisaged a smart virtual campus as a model of future technical education system for the sustainable development of education and training. He proposed the innovations in the process, product and service components of the conventional campus to transform it into a smart virtual campus. He also stressed on the need for the adequate bandwidth requirements, development of the modern curriculum and course material and the redefined roles of the teachers in next decade.

Inaugural function was anchored by Prof (Dr) N N Khalsa and Prof Maithili Deshmukh and supported by Prof P P Deshmukh and Dr Lobhas Ghadekar. On this occasion Book Exhibition by McGraw Hill was also organized at Institute Library.

41st IETE Ram Lal Wadhwa Award Lecture was delivered by **Prof (Dr) K P Ray** of DAIT Pune. The speaker in his address elucidated the innovations in the field of microwave and antenna for various non conventional applications. Design and developmental details of these

indigenous systems were covered in his presentation. High power microwave disinfection system, which was conceived and developed to provide solution to the societal problem of hazardous hospital waste management, was also presented in detail. **Dr N N Kasat** conducted this award lecture session, which was appreciated by all.

Technical sessions were managed by **Prof S V Dhopte** and **Prof Sangram Dandage**. Presentations of contributed papers in the technical sessions by scholars elicited lively response. All the papers went through the standard checks and processes before final selection for presentations. Total of 102 papers were received out of that 91 papers were selected.

A conference was also arranged for the young graduating students which received an overwhelming response. The presentations were primarily based upon the innovative project ideas on which the final year students were doing their projects. **Prof S S Mungona** and **Prof V R Raut** managed various sessions. A competition of science and technology based project models was organized for school students with an aim to develop interest towards this stream. Students of grade 5th to 10th participated in it. **Prof Dr K T V Reddy**, President IETE; **Dr Chandrkanta Kumar**, ISRO Scientist & recipient of Hari Ramji Toshniwal Award; and **Dr T S Rathod**, FIETE, presented the awards to the winners. This event was managed by **Prof S V Patalwar** and **Prof Abhijit Kalbande**.

Valedictory session consisted of conferments of wide range of IETE awards recognizing excellence of members/ non-members in scientific endeavors. Cultural program by local artists from Amravati was highly appreciated. The AIC culminated with special visits to various nearby tourist spots such as Shegaon, Chikhaldara and Muktagiri.

3rd Innovators and Industry Meet

IETE has conducted its **3rd Innovators & Industry Meet**, organized by Board of Research, Innovation & Standards (BoRIS), on 1st Sep 2018 at IETE HQ, New Delhi. The inaugural session of the meet was graced by **Dr G Satheesh Reddy**, Secretary, Department of Defence R&D and Chairman, DRDO as the Chief Guest. Congratulating IETE for holding such a remarkable national level, Dr G Satheesh Reddy advised the young audience and the participants to explore opportunities of innovations for the success of Central Government's Make-in-India movement. Prior to this, **Prof (Wg Cdr) P Prabhakar**, Chairman, Board of

Research, Innovation & Standards (BoRIS), presented an overview about the meet, highlighting the achievements of previous meets. **Prof (Dr) K T V Reddy**, President IETE, in his address congratulated the team BoRIS for the successful conduct of past two Innovations meets and organizing the event again this year with more participants especially from industry, sharing their experiences with latest innovations.

The inaugural session was followed by the zone-wise presentations by innovators, some of whom had won IETE's North, South, East and West Zone Innovator's tags as well. There were 9 presenters in this session that apart



from giving presentations also displayed their innovative projects and their presentations were evaluated by a panel of evaluators, namely- **Prof S S Aggarwal** and **Col Mahesh Khara (Retd)**. The winners declared were: **Ms Jigyasa**, (North Zone) who won 1st prize for her project on “*Vehicular Child Trap Alert System*”. **Ms Divya Sodha** (West Zone) bagged the second prize for her project on “*Automatic Instrumentation System to Record and Identify Nocturnal Bird Calls with Various Weather Parameters*” and the 3rd

place was won by **Shri Prasad Nilajkar** (West Zone) for his project “*Smart Automated Bus Station.*” The winners were awarded cash prize of Rs. 15000/-, Rs. 10000/-, and Rs 5000/- respectively. In addition, Springer- the publishing company sponsored e-Book coupons worth EUR 300, 200 and 100 respectively to the 1st, 2nd and 3rd winners.

The second session included presentations of innovators and researchers from academia and industry. Opportunity was also given to students to showcase their work and present their

cases. These students were: **Shri P Sai Krishna Chaitanya**, Anurag College of Engineering, Hyderabad – *Automatic Light Brightness Control*, **Shri S Sridhar Reddy**, Anurag College of Engineering, Hyderabad – *The Smart Catle Shed*, **Shri K Uday Kumar**, Anurag College of Engineering, Hyderabad – *Smart Security System for Multi Purpose*, **Shri Rahul Chavan**, Anurag College of Engineering, Hyderabad – *Smart Water Management System*, **Shri Kunal**, YMCA Faridabad – *S-Mart Real Time Demand Scrutinizer*, **Shri Deepanshu Gupta**, YMCA Faridabad – *Road Editors* and **Shri Yashvardhan Varshney**, Aligarh Muslim University – *Deep Learning and NMF Based Single Channel Mixed Speech Separation for Automatic Speech Recognition*. Two of IETE's sponsored PhD students; **Shri Prashant Upadhyaya**, Aligarh Muslim University – *Performance Evaluation of Bimodal Hindi Speech Recognition under Adverse Environment*, and **Shri Mrinmoy Bharadwaj**, IIT Guwahati – *Investigation of Graphene based Antennas for Next Generation Communication Networks*, presented their final research work. **Shri Rohit Arvind Deshmukh**, AISSMS Institute of IT, Pune presented his innovation project - *Wheelchair with Smart Healthcare Technology*. **Dr Tanya Singh**, Amity University, Noida, highlighted *the need of E-learning in Higher Education*.

The highlight of 3rd Innovators and industry meet was the representations from actual industry people. **Shri Sagar Paliwal**, Founder & CEO of Autokartz.com presented the details of their *start-up - An Automotive Eco-System*. **Shri L B Gautam**, Country head of Accuster Technologies Pvt Ltd. presented their latest innovation product - *Mobile Diagnostic Lab*. **Shri Vishal Seth**, a Research Engineer in the RoboSpecies Technologies Pvt. Ltd, Noida, presented company's latest Innovation - *Robotics and Automation in Education*. **Shri Shubham Shukla** of Persapien Innovators Pvt Ltd presented his Innovation project - *Airlens*. **Shri R D Verma**, an AMIETE in Electronics & Telecommunication Engineering and CEO of Airsolwin Services, presented his Innovative project - *EPC Solution*. **Shri Swati Meherishi** an Exec Editor of Applied Sciences and Engineering at Springer, spoke about *Workflows in the academic publishing industry and innovative technologies and data tools*. **Ms Varsha Thakur** from Cyber Education & Services, Quick Heal Technologies Ltd. highlighted issues of *Cyber Security Education in the current IT services*. **Shri Nate Srinath Nudurupati**, Founder Director of Inxee Systems Pvt Ltd, New Delhi, presented a useful talk on emerging technology, the *Internet of things (IoT)*. **Shri Sandeep Saini**, Solution Architect & Head LTE RAN Product & Solutions, Ericsson

India, presented a talk on *Driving Innovation–Telecom*. **Dr Ravi Chamria**, CEO of Sofocle, presented another useful talk on *Blockchain Technology-Efficiency for the Future*. finally, **Shri Nikhil Kanodia**, Business Head at Precision Electronics Ltd. (PEL), shared his experiences in building up a small business entity into a big company.

The valedictory session of the meet was graced by **Dr Madhavan Nair Rajeevan**, Secretary, Ministry of Earth Sciences as Chief Guest and **Shri Vipin Tyagi**, Executive Director, C-DOT as Guest of Honour. **Prof (Wg Cdr) P Prabhakar** delivered the welcome address. **Prof (Dr) K T V Reddy**, expressed his gratitude towards the Chief Guest for gracing the event with his presence and for grant of an amount of Rs 2 Lakh for the conduct of the event. He also welcomed and thanked the Guest of Honour, **Shri Vipin Tyagi** for sparing time for the meet and presenting a useful talk on new technologies like NGN and Giga Networks. The chief guest acknowledged the presence of young students in the meet. He also appreciated the efforts of IETE in bringing young innovators and the industry people on the common platform for their techno and economic interaction and collaboration. He promised to support IETE's such events in future too. He presented the prizes to the winners of inter zonal innovation competition and mementos to all the participants. **Lt Col Dipankar Sen (Retd)**, Secretary General, proposed the vote of thanks. He congratulated the team IETE for the successful conduct of the meet. He expressed special gratitude towards, **Sharda University**, **KR Manglam University**, **GD Goenka University**, **Quick Heal Academics**, **Springer**, and **Redefine Dimensions Convergence Pvt Ltd**, for their sponsorship. He also thanked all the attendees for making the meet meaningful by their presence. The meet ended with the National Anthem.

Details of IETE Members Required for Update of Database

You are requested to keep us informed about your contact details to enable us update IETE databank and provide you better services.

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

(e-mail the details on mgeditor@iete.org)

65th Foundation Day Celebrated



IETE HQs celebrated **65th Foundation Day** at Delton Hall Auditorium on the theme '**Robotics and Its Applications**' on 2nd November 2018. The Chief Guest, **Shri S Gopalakrishnan**, Joint Secretary, Ministry of Electronics and Information Technology, Government of India inaugurated the function. **Dr Ranjan Bose**, **Director**, Indraprastha Institute of Information Technology, New Delhi, was the Guest of Honour. **Prof (Dr) KTV Reddy**, President, IETE chaired the function. The other dignitaries on the dais were: **Prof Ashiv Shah**, HoD TIFAC Core, Ajay Kumar Garg Engg College, Ghaziabad; **Dr Sudipto Mukerjee**, Dept of Mechanical Engg, IIT Delhi and **Prof Vijayant Agarwal**, NSUT, New Delhi.

The theme chosen to commemorate this year's Foundation Day was very relevant as it held tremendous potential for benefiting every domain of human life. Although up

till now this benefit had been limited to very specialized environments such as factories, etc., but now technology has matured to integrate robotic technologies into the human environment for everyday use.

Welcoming all **Prof M N Hoda**, Chairman, Technical Programs and Publicity Committee, spoke about the achievements of the Institution. He quite nicely elucidated on compelling-significance of the theme in view of mind-blowing technical strides such as 'Artificial Intelligence and Machine Learning' overwhelming present-day society. He pointed out the potential of "learning, unlearning and relearning" and emphasized on allowing this philosophy to take root and shape. He said that people need to have a constant desire to learn and evolve. President IETE, **Prof (Dr) K T V Reddy**, in his address outlined the aims and objectives of the institutions via its various activities.

He informed the audience about efforts being made for reclaiming the recognition of the Institution back.

Prof Ashiv Shah sketched historical background of development in the area of Robotics, highlighting that window of new products development today has shrunk from years to days via mind-boggling advances in Deep Learning, AI, Augmented Reality. He said that we shall very soon encounter self-programming robots. He revealed that Robot density in India is only 3 for each 10000 workers, against the world-leader South Korea with corresponding figure of 631. He elucidated in detail multi-dimensional applications of robotics in areas like welding, machining, packaging, assembly, handling, surface coating, inspection and measuring, loading and unloading of machines etc. He mentioned about establishment of a Skills Foundation company at the College having technical-collaboration with 15 global leaders including Kuka & Siemens.

Chief Guest, **Shri Gopala Krishnan S** emphasized that India needs to undertake re-skilling on a massive scale to reap the benefits of our demographic dividend so that our manufacturing becomes world-class and globally-competitive. He said that today, robotics has advanced to such an extent that recently even an impressive painting could be designed by a Robot. He cautioned that though the rapid progress of this technology cannot be stopped, but the need is to reflect on emerging social, legal and ethical issues arising out of deploying these algorithm-driven advances.

Dr Sudipto Mukherjee of IIT Delhi, elucidated on the current post graduate research at his department on the latest topic of “Tele-operation”, which uses a wearable device on arms to remotely manipulate robots’ movements in industrial environment. As many as 16 students and 12 faculty members from mechanical and other departments were feverishly engaged in this task. He explained that accuracy of movement was so fine that even hand-jitters had to be accounted for.

Dr Vijayant Agarwal, Professor from NSUT, New Delhi, illustrated robotics applications via 7 interesting videos showing, robotic Medical-surgery that enables very precise movements impossible by a human, ICICI Bank Vault that redefines the concept of locker-security, amazing robot named Nautilus that does deep ocean mining, service Robots in hospitals, assistive robots, rehabilitation bed chair and so on.

The Guest of Honour **Prof Ranjan Bose**, Director, IIIT, New Delhi, quite effectively summarized the entire thought process emanated from these deliberations. He emphasized that society must recognize that change is inevitable. He further said, that to meet this challenge, we need to completely revise and update curricula not only at the University level but right from the school level, if we wish to leverage our intellectual strength for everybody’s benefit. He was impressed that IIT students were engaged in designing robotic arms, virtually engaging in what he termed as getting their hands dirty, which he felt is necessary for creativity to flourish. He added that ultimately, we shall have robots with predictive capabilities that will immensely assist planners and administrators.

Secretary General **Lt Col Dipankar Sen (Retd)** proposed vote of thanks and pointed out the need for deployment of robots by defense forces to minimize casualties in the battlefield.

Senior distinguished members of the Institution felicitated by the Chief Guest on this special day that include: **Maj Gen D N Khurana, AVSM (Retd)** (F-041734); **Shri Hari Charan Soni** (F-082761); **Shri Charanjit Lal Bedi** (F-084581) and **Col J S Dhillon** (F-002838).

Students from Dyal Singh College, University of Delhi, presented a colourful cultural show which was applauded by everyone. The energy and passion of the students was visible in the performances that they put up. Every corner of the hall vibrated with enthusiasm.

IETE Representations in Government Departments



AICTE Council Meeting held on 27th Dec 2018 at New Delhi



NIELIT Governing Council Meeting with MietY, New Delhi, also held on 27th Dec 2018

IETE welcomes the Members-Nominated in the IETE Governing Council (2018-19)



Prof (Dr) A K Saini (F-101917), is working as a Professor in GGS Indraprastha University, New Delhi, since 2007. Before joining this University he was holding a senior academic position at University of Delhi. He carries with him blend of industrial and academic experience of more than 32 years out of which six years in the industry in responsible capacities. Dr Saini has to his credit eight published books and over one hundred papers in national and international journals/conferences. He has travelled extensively abroad and has visited Europe under Teacher-Exchange Programme for teaching courses abroad. Dr Saini is also the Director of Industry Interaction Cell and Convener of Centralized Placement Cell of the University. He has been pro-actively involved with professional associations and is Senior Life member of CSI, FIETE, Life Member of AIMA, Operational Research Society of India (ORSI). Dr Saini has served as Governing Council member of IETE for two terms and has been Chairman of IETE Delhi Centre. He also served as Chairman of the National Nomination Committee of Computer Society of India. Dr Saini is a member of the Board of Studies of several Universities and has guided ten Ph.D scholars. He is a part of the Advisory and Editorial team of several National and International Journals. As last year, Dr Saini is once again the Chairman IETE Publications Committee in 2018-19.



Shri Kartik Parikh (F-084536), received BE (Electrical) from VJTI, Bombay University in 1984 and Masters in Computer Engineering from the University of Missouri University of Science And Technology, USA in 1987. He founded FASTECH Telecommunications (I) Pvt Ltd, in 1994 recognized as the premier telecommunications test instrument and monitoring system provider in the Indian sub-continent. He is largely responsible for building

FASTECH from a two people startup to a 40+ employee company with all-India operations extending also to SAARC nations. FASTECH's fields of engagements span across RF, Fiber Optics, GPON, Optical Transports Network, IP backhaul, IMS and LTE services etc. FASTECH recently set up the first electromagnetic field calibration laboratory one of its kind in India, which is certified to meet international standards and is NABL accredited.

Shri Kartik Parikh has given numerous talks on relevant technology themes in telecommunications as well as on industry-academic partnerships, and on skill development for telecommunication seminars in India and abroad. He is a life-time fellow of IETE and was in its managing committee of the Mumbai Section from 1995 until 2001. He is a member of the Governing Council of IETE HQ. He is the Co-Chair of the Board of Awards in the Governing Council 2018-19.



Shri Pankaj Gupta (F-221953) is an IT & Telecom Professional having Corporate Experience of more than 30 Years. Presently, he is working with M/s Spice Digital Limited (DiGiSPICE) as President, where he is responsible for handling Government & Enterprise Business. During his illustrious career of 30 Years, he has successfully handled various challenging roles of CEO, COO, Country Manager, Business Head etc. with Corporates including Crompton Greaves Limited, SPANCO Telesystems, GoBindas Entertainment, Associated Electronics Research Foundation etc. He has handled various prestigious projects in India and abroad including UMANG (Unified Mobile App for New Age Governance), 139 Railway Enquiry Service on Call, SMS, USSD, Mobile App etc., GST Suvidha Provider with GSTN and Many More. Prior to his corporate career, he has completed graduation and post-graduation in the field of Electronics & Communication as well as Business Administration.

Hope IETE benefits enormously with their insights.

24th Sir J C Bose Memorial Lecture – at IETE Kolkata Centre

IETE organized its 24th Sir J C Bose Memorial Lecture on “Tangible Benefits to Society from ISRO’s Programme” by **Dr Tapan Misra**, Sr Advisor & Ex Director, SAC, ISRO at IETE Kolkata Centre, on 1st Dec 2018. Dr Misra explicitly explained the activities of ISRO and various societal applications and implications of the programmes of ISRO. The lecture was well received. The dignitaries were feted by **Dr Sangita Roy**, Centre EC Member. **Shri P S Biswas**, Chairman, IETE Kolkata Centre elaborately spoke about the life and work of Sir J C Bose. The President IETE, **Prof (Dr) K T V Reddy** gave an insight on various IETE activities and its future plans and sought collaborative conscious efforts by all. **Prof (Dr) JK Mandal**, Hony Secretary, IETE, Kolkata Centre and **Lt Col Dipankar Sen (Retd)**, Secretary General, IETE proposed the vote of thanks.



Dr Tapan Misra, former Dir, SAC, ISRO, being felicitated after delivering the 24th Sir J C Bose Memorial Lecture

New Members of IETE enrolled/upgraded during Sep-Nov 2018

S.N.	MEM	CAT	NAME	S.N.	MEM	CAT	NAME	S.N.	MEM	CAT	NAME
1	501316	AM	Somwanshi, Snehal S	45	501414	AM	Namala, Siva Kumar	89	501315	M	Shedge, Kishor N
2	501317	AM	Mahajan, Rana S	46	501415	AM	Kurmeti, Saidulu	90	501336	M	Gera, Aswani Kumar
3	501318	AM	Varade, Gauri A	47	501416	AM	Marri, Nagaraju	91	501337	M	Rajesh N H
4	501319	AM	Dawange, Manisha V	48	501417	AM	Ruth P	92	501338	M	Burra, Rajesh Kumar
5	501320	AM	Chakor, Atmaram M	49	501418	AM	Katiyar, Saurabh	93	501339	M	Bennuri, Manohar Sarat
6	501321	AM	Polade, Goraksha B	50	501419	AM	Jain, Piyush	94	501340	M	Sridhathan C, Dr
7	501322	AM	Zurale, Puja B	51	501420	AM	Rekha Rani	95	501341	M	Gangwar, Ravi Kumar, Dr
8	501323	AM	Singh, Ankita Kuwar	52	501421	AM	Shristi, Priya	96	501342	M	Lotlikar, Avita A
9	501324	AM	Sahu, Vijay Kumar	53	160441	F	Doddamani, Govind Rao	97	501343	M	Korti, Rohini H
10	501325	AM	Autade, Vijay V	54	165710	F	Pillai, Vineesh G	98	501344	M	Patil, Supriya Ashok
11	501326	AM	Bhalerao, Rushikesh S	55	165722	F	Mahawar, Kapil	99	501345	M	Marchon, Niyan J S
12	501352	AM	Mishra, Sonali, Dr	56	231929	F	Patil, Shashikant S	100	501346	M	Devate Jayalaxmi A, Dr
13	501353	AM	Mishra, Sambit Kumar, Dr	57	235684	F	Ghai, Dhruva V, Dr	101	501347	M	Das, Narayan
14	501354	AM	Garg, Avesh	58	500907	F	Khan, Taimoor, Dr	102	501348	M	Naugarhiya, Alok, Dr
15	501355	AM	Thaiyal Nayagi S	59	501305	F	Patil, Ulhas V	103	501349	M	Thakur, Vikash Kumar
16	501356	AM	Deepika, M	60	501327	F	Chakrabarti, Satyajit, Dr	104	501350	M	Dawn, Suma, Dr
17	501357	AM	Suruthi, E	61	501328	F	Meyyappan, Senthil Kumar, Dr	105	501351	M	Shukla, Varun
18	501358	AM	Deepika, N	62	501329	F	Kulkarni, Muralidhar, Dr	106	501366	M	Roshan S
19	501359	AM	Mahalakshmi, V	63	501330	F	Mangali, Anil Kumar	107	501367	M	Kiran Kumar V G
20	501360	AM	Asha, P	64	501331	F	Narasimha, Deepak L, Dr	108	501368	M	Prasanna Kumar C
21	501361	AM	Thiripura, Sundari	65	501332	F	Pariyacheri, Kunhikrishnan	109	501369	M	Roopashree
22	501362	AM	Senthil Murugan, G	66	501333	F	Mukhopadhyay, Sumita, Dr	110	501370	M	Bekal, Anush, Dr
23	501363	AM	Sharmila, N	67	501334	F	Vijayarajan.R, Dr	111	501371	M	Dsa, Joyline Germine, Dr
24	501364	AM	Ramya, R	68	501335	F	Samundeeswari, T	112	501372	M	Konda, Praveen Kumar
25	501376	AM	Chodon, Pradeep	69	501365	F	Rao, Ashwath, Dr	113	501373	M	Sharathchandra N R
26	501377	AM	Pavanalaxmi	70	501393	F	Arya, Meenakshi S, Dr	114	501374	M	Sikha K V
27	501378	AM	Ashwin Kumar	71	501394	F	Nema, Pragya, Dr	115	501375	M	Hiremath, Gurusiddayya
28	501379	AM	Shetty, Savidhan C S	72	501395	F	Pathak, Anirban, Dr	116	501402	M	Malathi N
29	501380	AM	Shetty, Sachin C N	73	501396	F	Subbarao D, Dr	117	501403	M	Krishnarajuna Rao T
30	501381	AM	Megha N	74	501397	F	Biswas, Ranjit, Dr	118	501404	M	Patel, Shailesh Subhashbhai
31	501382	AM	Praveen Kumar M	75	501398	F	Nakhate, Sangeeta A, Dr	119	501405	M	Satheesh Kumar P
32	501383	AM	Nisha	76	501399	F	Lakshmanan, M, Dr	120	501406	M	Bhukya, Vijay Vamshi
33	501384	AM	Rai, Shikha	77	501400	F	Singh, S Pratap, Dr	121	501407	M	Vamsi Krishna S, Dr
34	501385	AM	Santhosh	78	501401	F	Varadharajan, Vijay, (Dr)Prof	122	501408	M	Md Ashraf
35	501386	AM	Spoorthi Pakkala	79	177375	M	Santosh Kumar K	123	501409	M	Farha, Anjum, Dr
36	501387	AM	Pateel G P	80	501306	M	Hatkar, Archana A	124	501410	M	Biswas, Siddhartha Sankar, Dr
37	501388	AM	Sunil Kumar P	81	501307	M	Bibave, Prashant S	125	G00550	ORG	Indian Naval Ship Valsura, Jamnagar
38	501389	AM	Smitha A B	82	501308	M	Khairnar, Prerana N, Dr	126	G00551	ORG	Ashoka Institute of Engg & Technology, Hyderabad
39	501390	AM	Shetty, Shruthi H	83	501309	M	Bhamare, Liladhar P	127	G00552	ORG	Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur
40	501391	AM	Sathyavathi S S	84	501310	M	Wable, Trupti K	128	G00553	ORG	Siddhartha Institute of Engineering & Technology, R R Dist, Telangana
41	501392	AM	Nutan M	85	501311	M	Chaudhari, Priyanka A				
42	501411	AM	Momin, Heena G	86	501312	M	Varade, Kiran P				
43	501412	AM	Manda, Rajasekhar	87	501313	M	Vaidya, Vishal K				
44	501413	AM	Mishra, Ashutosh Kumar	88	501314	M	Shaikh, Nadeem B				

AM = Associate Member

F = Fellow

M= Member

ORG = Organizational Member

News from Centres/Sub-Centres

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

AHMEDABAD

- A one-day seminar was organized on **AWR Design Forum 2018** by the National Instruments Authorities and India Support Office M/s ICON Design Automation, Bangalore on 5th Sep 2018. About 5 IETE Corp members, 60 others including engineers, students and corporate from various organizations attended.

- The Centre and Ahmedabad Institute of Technology (AIT) jointly celebrated **Engineers' Day** on 15th Sep 2018 at Seminar Hall, AIT College, Gota on "Digital Transformation – A New Industrial Revolution". The Chief Guest, **Shri Deval Mehta**, Sr Scientist, SAC/ISRO, spoke on "NavIC Applications & Receiver" and gave a brief on the principle of satellite based navigation and about navigation systems, worldwide. **Shri Sudhir Agarwal**, Centre Chairman, delivered the welcome speech and gave a brief background on IETE and its activities and also commented on emerging technologies like IOT, cloud, big data, 3D printing, Artificial Intelligence, machine learning, robotics, autonomous vehicles and the new ways in which technology will be embedded within societies and even the human body. **Dr Sarada Devi**, Principal, AIT, in her address remarked on the difference between Digital technology and Digital transformation. **Shri Rutvij Vora**, Dir, Technology, My Class Campus, delivered the theme lecture on "Digital Transformation – A New Industrial Revolution", highlighting the challenges in the digital revolution. **Shri CN Joshi**, **Shri Rasesh Dave**, **Dr NP Gajjar**, **Dr KG Maradia**; ISRO Team; and **Prof Ajay Upadhyay**, HoD, Computer & IT Department, AIT, faculty members of the College, were also present. Vote of thanks was proposed by **Shri R M Makwana**, Centre Hony Secretary.

- **PCB Designing workshop** was organized by the Centre in association with ISF LD College of Engineering on 21st-22nd Sep 2018 by team of OOB Services, Ahmedabad. Theory & practical knowledge were given to students. Valedictory function of the workshop was held on 22nd Sep 2018. **Shri Sudhir Agarwal**, Centre Chairman; **Shri V K Jain**, Immdt Past Chairman; **Shri RM Makwana**, Hony Secretary; **Shri KK Mehta**, Hony Treasurer and **Shri Priyank Darji**, OOB services were present. **Shri Sudhir Agarwal**, remarked in his address that PCB designing should be taken as an art apart from its technical angle. **Shri Priyank Darji**, **Shri Pratik Prajapati** & **Shri Parth Suthar** - Founder of OOB Services coordinated for the conduct of the workshop. EC members & **Shri DS Kushwaha Sr Member** & Past Centre Chairman attended. Vote of thanks was proposed by **Shri RM Makwana**.

- **Centre's Foundation Day** was celebrated on 28th Oct 2018 with **Shri A K Lal**, Gp Director, System Reliability Group, ISRO, gracing the occasion as the Chief Guest. **Shri Deepak Pareek**, CEO & Founder MyCrop, was invited as the expert speaker, who

spoke on "The Catalyst to Digital Revolution in India" and covered various nuances of 5G which ushers high data rate, reduced latency, energy saving, cost reduction, higher system capacity, and massive device connectivity. The Chief Guest spoke on "Space Qualification of State-of-Art Technologies". In his address he highlighted the constraints of system development for satellite systems, typically designed for 15 years. He also shared his experience on the evaluation process and criterion of indigenously developed Monolithic Microwave Integrated circuits (MMIC) and Charge Coupled Device (CCDs). **Shri Sudhir Agarwal**, Centre Chairman, commented on the history & ongoing activities of the Centre, while vote of thanks was proposed by **Shri R M Makwana**, Centre Hony Secretary.

- On 25th Nov 2018, the Centre celebrated IETE's **65th Foundation Day** on "Robotics and its Applications". **Shri Nilesh Desai**, Dy Director, SSAA, SAC, ISRO was the Chief Guest and the theme speaker- **Dr Archit Somani**, CEO and Founder, Strawberry Education. **Shri Sudhir Agarwal**, Centre Chairman delivered the welcome address. **Shri Rasesh Dave** and **Shri CN Joshi**, EC Members, introduced the dignitaries. **Dr Archit Somani** gave presentation on the theme of celebration. The Chief Guest, **Shri Nilesh Desai**, delivered a thoughtful talk on the use of robotics in SAC/ISRO. He also threw light on the idea of use of robotics in ISRO's 'Gaganyaan' mission. He congratulated IETE society on completing its 65 years of existence. All Immediate-past office bearers & EC members were felicitated. The Centre's Hony Secretary, proposed the vote of thanks. Past chairman of IETE Ahmedabad - **Smt Smriti Dagur**, past President IETE, **Shri J V Dave**, **Shri R V Singh**, **Shri Madhukant Patel**, **Shri Chintan Bhatt**, **Dr Kishor Maradia** and Immdt Past Chairman **Shri V K Jain** graced the occasion.



Foundation Day observed by the Centre

ALLAHABAD

The Centre celebrated IETE's **65th Foundation Day** on 2nd Nov 2018. The Chief Guest **Prof KK Bhutani**, Dir, UPTECH and

DFIETE, delivered a very informative lecture on “Robotics and its applications”. **Shri JP Mishra**, Centre Chairman, welcomed the gathering. **Prof SG Prakash**, Ex Dean, Science faculty, University of Allahabad and **Dr GS Darbari** expressed their views on the various aspects of the topic. **Dr RS Yadav**, Centre Hony Secretary, in his address highlighted the purpose of IETE Foundation Day & objectives of the IETE. He read out the President’s message. **Prof SD Dixit** (F- 062956) senior member of IETE was felicitated on this occasion. Vote of thanks was proposed by Dr RS Yadav. Prominent dignitaries from academia, industry & students attended the event.



Senior member being felicitated at Foundation Day celebrations

AMRAVATI

65th IETE Foundation Day was celebrated at Dept of E&TE, PRMIT&R, Badnera, jointly with IETE Amravati Centre on 2nd Nov 2018. **Prof (Dr) PV Ingole**, Centre Chairman, delivered a lecture on “Robotics and its Applications”. **Prof S V Dhopte**, **Prof V L Agrawal**, faculty members, IETE Corporate members and ISF student members attended. The programme was conducted by **Prof (Dr) Nikkoo Khalsa**, Centre Hony Treasurer. To encourage students a guidance program was organized by the Centre at Shri Samrath High School Amravati. Prof (Dr) P V Ingole, Prof S V Dhopte, Prof (Dr) N N Khalsa, Prof S S Kulkarni guided the students.

BANGALORE

The Triveni Devi Gupta Memorial Award for the year 2016 was presented to **Ms Manjula**, Director General (ECS) DRDO, Bangalore by **Prof (Dr) KTV Reddy**, President IETE on 10th Aug,



IETE honouring Ms Manjula, DG (ECS) DRDO, Bangalore

2018 at her office. **Prof KTV Reddy**, **Prof H S Bhatia**, Chairman, **Shri G Ramesh**, Immdt Past Chairman and **Shri C Satyanandan**, Hony Secretary were also present during this meeting.

- The Centre celebrated Independence Day 2018 on 15th Aug 2018. **Padmashri A S Kiran Kumar**, former Chairman ISRO graced the occasion with his gracious presence and hoisted the tricolor flag at the Centre. Shri Kiran Kumar also interacted with the members of IETE Bangalore Centre.

- A course on “**Passive and Active Phased Array Antennas**” was organized for BEL Executives at Nalanda-BEL Academy for Excellence, Bengaluru during 22nd-24th Aug 2018. **Dr D C Pande**, Former Centre Chairman was the Course Director while **Prof H S Bhatia**, Centre Chairman, coordinated the programme. Faculties were drawn from working scientists groups of LRDE, DRDO, Bengaluru.

- A weekend course on “**MATLAB /SIMLINK**” was conducted for participants from private and government organisations. Classes were held on Sundays during 2nd Sep 2018 onwards for 8-10 weeks at the Centre. **Dr Shivaprasad Yadav** was the resource person.

- “**Engineer’s Day**” was celebrated on 15th Sep 2018 with a technical talk delivered by **Shri Anil Kumar M**, DDG (Marketing) and Prasar Bharati. The Guest spoke on “Digital Terrestrial Television-Solution for Infotainment on the Move”. The Centre also witnessed the launch of 1st edition of “**IETE Bengaluru Magazine**”. **Dr M H Kori**, DFIETE & former Governing Council Member is the Chief Editorial Board (CEB) of the publication. **Prof B S Sonde**, Former Vice-Chancellor, Goa University & former President IETE and **Prof (Dr) KTV Reddy**, President IETE, welcomed and appreciated the launch of the magazine. **Shri C Satyanandan**, Hony Secretary delivered the welcome address. **Shri G Ramesh**, Immdt Past Chairman narrated the background of the celebration. **Prof H S Bhatia**, Chairman, addressed the gathering and **Shri B N Jagannatha Rao**, Hony Treasurer, proposed vote of thanks.

- The Dept of Public Health Dentistry of Shri Rajiv Gandhi Dental Sciences College and Hospital, Bengaluru organized a camp of “**Free Dental Check Up**” on 29th Sep 2018 at the Centre for benefits of IETE members.

- A one-day workshop on **DSP: Principles and Practice** was organized in association with Dept of EC, Ramaiah Institute of Technology (RIT), Bengaluru and IMAPS India Chapter on 14th Oct 2018. Inauguration ceremony was graced by **Prof HS Bhatia**, Centre Chairman; **Dr M H Kori**, Chairman, IMAPS India Chapter; **Dr S Sethu Selvi**, HoD/EC, RIT, Bengaluru; **Dr Ashok Rao**, former Prof, IISc, Bengaluru; **Shri CP Dwivedi**, Centre Vice-Chairman and **Prof C G Raghavendra**, Centre EC member.

- A six-day course on **Modern Radars**, was conducted at Nalanda, BAE, for the executives of BEL, Bengaluru during 22nd-27th Oct 2018. The faculty members were drawn from DRDO.

Dr D C Pande, Governing Council Member was the course director and **Prof HS Bhatia**, Centre Chairman was the course coordinator.

- The Centre conducted a one-day workshop on **Internet of Things (IoT) and its Applications** in association with SJCIT, Chickaballapur and Industry Connect Technologies, Bengaluru, by **Prof G K Venaktesh**, Centre EC member on 28th Oct 2018. **Shri C Satyanandan**, Centre Hony Secretary inaugurated the workshop. **Prof C Murali**, former Governing Council member in his address covered the basics of IoT and about WSN. **Shri M Sukumar**, Principal Consultant, Industry Connect Technology gave a brief talk about the basics of Industrial Automation and IoT. **Shri Abhay Bharadwaj**, Head – Operations & Training, Frugal Labs Tech Solutions Pvt Ltd, delivered a highly informative talk on current technologies like introduction to IoT & Industrial IoT. **Prof H S Bhatia**, Centre Chairman distributed the certificates.

- A **project exhibition** was conducted at Sir M Visvesvaraya Institute of Technology (Sir MVIT), Bangalore on 30th Oct 2018. **Shri C Satyanandan**, Centre Hony Secretary inaugurated “Teleposium”.

- The Centre conducted CA examination during 1st-17th Nov 2018.

- The Centre celebrated **IETE Foundation Day** 2nd Nov 2018. **Dr Subrata Rakshit**, Assoc Director (Technology), Centre for Artificial Intelligence and Robotics (CAIR), DRDO, Bengaluru, delivered the theme talk on “**Challenges and Development of Robotics Applications**”. **Prof C Murali**, Past Centre Chairman & the recipient of IETE - B R Batra Memorial Award, delivered a foundation talk on “**Green IoT for Smart World**”. **Shri C Satyanandan**, Centre Hony Secretary, delivered the welcome address. Three senior members of IETE **Wg Cdr HR Parthasarathy (Retd)** (F- 134050), **Dr K Soundararajan** (F- 034703) and **Shri A B Srinivasan** (F- 015089) were felicitated on the occasion. **Dr DC Pande**, Governing Council Member presided over the function. **Shri GC Dwivedi**, Vice Chairman proposed the vote of thanks.

- The Centre organized its 1st **IETE International Conference India – 2018 (IICI-2018)** on “Technological Advances & Applications in IoT, Big Data Analytics & 5G” during 14th-15th Dec 2018 at UR Rao Satellite Centre (URSC), Satish Dhawan Auditorium, Bengaluru. The event was graced by **Dr K Sivan**, Chairman, ISRO & Secretary Department of Space (DoS). In his inaugural address, Dr Sivan effectively articulated about various technologies available and how each differed for different people. He talked about connectivity of the people, things and benefits of such technologies. He also highlighted the indigenization efforts at ISRO and stressed the need for indigenization not only in the technologies being addressed in the conference but other fields too. He urged everyone to be aware and to develop & widen their horizon. **Padmashri A S Kiran Kumar**, former Chairman ISRO, the Guest of Honour, in his address referred to India’s communication capabilities and the existing connections between regional departments. He emphasized on the need of training the teachers in the present scenario & making them aware of opportunities available in the country. **Prof (Dr) KTV Reddy**, President IETE, presided over the inaugural function.

The welcome address was delivered by **Shri P Kunhikrishnan**, Director, URSC and General Chair of the conference. He expressed his delight that URSC had the opportunity to host an international conference on a theme that was so relevant and fast emerging. He also opined that the conference theme was so vast that each of the conference topics could be a subject of exclusive and separate conferences.

The Conference strung together three very highly topical technologies which are creating waves in technology domain, viz. Internet of Things (IoT) including Industrial IoT and Machine to Machine communications, Data Analytics & Big Data and the new wireless standard 5G, which will have special architecture for IoT. The conference covered not only each individual technology and their new developments but also discussed their synergy and benefits resulting out of the convergence of these three technologies. It provided a platform for experts in these domains



IETE Honorary Fellowship being conferred on Dr K Sivan, Chairman, ISRO & Secretary Department of Space (DoS) on the occasion

to come together and exchange their R&D efforts/results. It also provided opportunities for industries and startups to exhibit and announce their new and innovative products, ideas and concepts.

Shri G Ramesh, Centre Immdt Past Chairman & Conference Chair, **Shri Ganga Prasad**, Conference Technical Chair and **Shri Bogdan Baranga** from PTC Inc. Bucharest, Romania also spoke on the occasion. **Prof H S Bhatia**, Centre Chairman proposed the vote of thanks. In connection with the conference, an exhibition which saw participation from many industries and organization was inaugurated by the Chairman, ISRO.

Technical Sessions of the International Conference were held covering the entire gamut of the conference topics and were spread over two days. **Shri Vipin Tyagi**, Executive Director, C-DoT, delivered the keynote address. Several leading industry experts presented invited talks covering many aspects during these two days. A panel discussion was organized. Dr M H Kori moderated the panel discussions.

The conference concluded with a valedictory function on 15th Dec 2018. **Smt Smriti Dagur**, Past President IETE & **Dr JW Bakal**, Vice-President IETE also graced the occasion. **Lt Col Dipankar Sen (Retd)** proposed the vote of thanks.

A pre-conference Tutorial was also conducted on 13th Dec 2018, inaugurated by **Prof (Dr) KTV Reddy**, President, IETE. It was well attended by delegates from industry and engineering colleges. In short, the conference and the tutorial enriched the participants with the latest technical development in IoT, Big Data Analytics & 5G.

BURDWAN

- **Prof Sourangshu Mukhopadhyay**, Sub-Centre Chairman was awarded the prestigious IETE-CEOT (94) Biennial Award this year. In this connection a lecture was organized jointly with UGC Human Resource Development Centre (HRDC), the University of Burdwan on **Beyond Nano** on 25th Sep 2018 by Prof Mukhopadhyay.

- The Sub-Centre in association with the University of Burdwan, organized talks on (i) **Road Map of Gyrotron Development: Multi-Institutional Approach**, by **Prof S N Joshi**, Emeritus



Lecture in progress by **Dr P Banerjee**, Former Chief Scientist & Acting Director, CSIR (NPL), New Delhi

Scientist, CEERI, Pilani on 27th Sep 2018 and (ii) **Walking through the corridor of Navigation**, by **Dr P Banerjee**, former Chief Scientist and former Acting Director, NPL, New Delhi on 15th Nov 2018.

CHANDIGARH

- The Centre celebrated the **65th IETE Foundation Day** on “Robotics & its Applications. on 2nd Nov 2018. **Dr (Prof) Sushil Kumar Kaura**, Centre Chairman gave the welcome remarks. **Dr Amod Kumar**, Ex- Chief Scientist, CSIR-CSIO, Chandigarh delivered a talk on “Applications of Robotics in Surgery”. He spoke on the Robotics and their broad applications in different fields such as Defence, Education, Industries, Medical & other important areas. He also deliberated on the applications of Robotics in surgery and advantages of using robotics vis-a-vis conventional surgical techniques. Senior IETE Corp members, Students, ISF Faculty, Students of NIELIT Chandigarh, and general public attention the function. **Gp Capt RC Goyal**, Centre Vice- Chairman, proposed vote of thanks.



IETE Chandigarh Centre celebrating Foundation Day

- The Centre, in collaboration with CSI (India) Chandigarh Chapter, jointly organized a talk by **Dr Ravinder Singh Zandu**, Civil Servant (Consulting Technical Architect), Cabinet Office, UK on “Artificial Intelligence and Machine Learning for Operational Efficiency “ on 2nd Nov 2018. The welcome address was delivered by the Centre Chairman **Dr (Prof) Sushil Kumar Kaura**. The Centre Hony Secretary, Shri Subhash C Jain, introduced the speaker. About 100 members including students of NIELIT Chandigarh attended. **Prof P Prabhakar, Wg Cdr (Retd)**, Ex-IETE Council Member & Chairman of CSI(India) local chapter, proposed vote of thanks.

CHENNAI

- The Centre and the ISF at Dept of ECE, KCG College of Technology, Karapakkam, Chennai, jointly organized a one-day National Level Technical Symposium on **TVASTRA'18** on 18th Aug 2018. **Ms K Chitra**, Scientist-E, NIOT was the Chief Guest. The programme had various events and the winners were awarded with cash prizes. About 150 students from various colleges across Tamil Nadu, participated in these events.

- The Centre and the ISF at Coovum Advanced Institute for Science and Engineering Research (CAISER), Chennai, organised

a two-day workshop jointly on **IoT based sensor logging** on 21st Aug 2018.

- The Centre and the ISF at Kings Engineering College, Chennai jointly organized a **three-day workshop** as a part of industrial knowledge learning on “Embedded based Internet of Things (IoT)” on 22nd & 24th Aug 2018 with **Shri M E Rajamanikam**, Director, Bits ‘n’ Watts Embedded Solution, Chennai as resource person.

- A new ISF at GRT Institute of Engineering & Technology, Tiruttani (TN) was **inaugurated** by **Shri RPB Sundaram, AGM (Retd)**, BEL & Centre EC member on 23rd Aug 2018. He gave guest lecture on “Role of Electronics in Defence”.

- The Centre & ISF at Jeppiaar Maamallan Engineering College, Sriperumpudur, jointly organized workshop on PCB Design & Real Time Fabrication on 28th Aug 2018, delivered by **Shri S Karunakaran**, Assoc Prof/ECE, Saveetha Engineering College, Chennai.

- The Centre in association with IE(I), Tamil Nadu and other professional bodies jointly celebrated the **51st Engineers’ Day** on “Digital Transformation: A New Industrial Revolution” on 15th Sep 2018.

- The Centre organized a special talk on “IoT, Big Data & Artificial Intelligence” on 22nd Oct 2018, delivered by **PadmaShri Dr T Hanuman Chowdary**, Founder Chairman and CEO, VSNL and IETE Past President & DFIETE. He was felicitated by **Shri S Ramasamy**, GC Member and **Shri Tata Sudhakar**, Centre Chairman.

- The Centre celebrated **65th IETE Foundation Day** on “Robotics & its applications” on 19th Dec 2018 in the gracious presence of distinguished guests- **Col (Retd) K S Chakravarthi**, Mgmt Consultant, Centre Past Chairman, Vice Chairman IPE, Tamil Nadu Chapter, the Chief Guest and **Shri S Ramaswamy**, Centre Past Chairman, Former Chief Engineer, AIR & DD and Governing Council member as the Guest of Honour. **Shri Tata Sudhakar**, Centre Chairman delivered the welcome address. **Dr S Sumathi**, Centre EC member read out the message of President IETE. The Chief Guest, **Col Chakravarthi** delivered a very



Chief Guest- Col (Retd) K S Chakravarthi, felicitating Shri S Ramaswamy, senior IETE Member on the occasion

interesting and relevant talk. In his address he accentuated how technologies were affecting humankind and have become a part of everyone’s life. Giving emphasis to technological revolutions and practices that have transformed professional lives as well, he remarked that evolution of professionalism now has taken to a new level of professionalism. He even raised a very important question asking upto what extent the Electronics & Telecommunication professions can and should control their normative and cognitive frames, as the present generation have started asking for much more than their professional interests & are keen on having their expectations met. He also brought out the applications of emerging fields like IIOT, Robotics and artificial intelligence, which was being widely adopted. He advised students to acquire relevant skills that would serve them well in future. A special talk on “Marine Robotics”, was delivered by **Shri P Muthuvel**, Scientist E, NIOT, Chennai, who gave an overview of how Robotics has been used as ‘Autonomous Vehicles’ in underwater operations and the criticalities of the design involved for meeting stringent conditions of high pressure of sea and water tight/saline environment. Senior veterans **Shri Kasy Aiyar S** (F-024800) and **Shri S Ramasamy** (F-011794) were felicitated. Vote of thanks was proposed by Shri N Sridharan, Centre Hon Treasurer.

DELHI

The Centre undertook a cleanliness drive with IGNOU RSC-38036 on 2nd Oct 2018 as part of nation-wide **Swachh Bharat Cleanliness Campaign**. The administrative staff of the Centre and the students took a pledge to clean their institutions, homes, public places and surroundings. Students were given handy tips to keep their surroundings clean. IGNOU Academic Counsellor & students along with IETE faculties and IETE students were actively involved in this drive. Ms Anita Kumar proposed the vote of thanks.



Cleanliness drive by IETE Delhi Centre - Swachh Bharat Abhiyaan

ERODE

- The Centre signed an MoU with M/s New Technology, Coimbatore, and organized a **Skill Development Program** on “Mobile Instrument Servicing” for 27 students in Bharati Orphanage on 13th Oct 2018. The resource person **Shri B Krishnakumar**, Mg Director, New Technology, Coimbatore, provided the training. The aim was to help the students to start their

own mobile servicing shop or to get a job in any mobile servicing center. **Dr C N Marimuthu**, Centre Chairman, inaugurated the the programme.

- The Centre celebrated **65th IETE Foundation Day** on 31st Oct 2018. **Dr C N Marimuthu**, Centre Chairman delivered the welcome address. **Dr N Rengarajan**, Principal, Nandha Engineering College, Erode, felicitated the gathering. **Dr S Arumugam**, CEO, Nandha Eduational Institutions, Erode presided. **Dr G Murugesan**, Immdt Past Centre Chairman delivered a lecture on **Robotics and its Applications**. Later, Dr Murugesan was honoured with IETE Erode Centre's Lifetime Achievement Award for his contribution towards IETE. Dr D Malathi, Hony Secretary proposed vote of thanks.



Dignitaries on the dais during Foundation Day celebrations

- The Centre in association with the ISF at Kongu Engineering College (KEC), Erode, organized a guest lecture on **Recent Trends in Avionics** by Shri V Muruganandham, Jt GM, Airport Authority of India, Chennai on 10th Nov 2018. **Dr G Murugesan**, Immdt Centre Past Chairman welcomed the gathering. Dr D Malathi, Centre Hony Secretary proposed vote of thanks.

KANPUR

The Centre, IE (India), Kanpur Centre and IEEE, UP Section, jointly celebrated **51st Engineers' Day** on 15th Sep 2018 at the Outreach Auditorium, IIT, Kanpur. **Prof Yatindra Nath Singh**, Dean, Infrastructure & Planning, IIT, Kanpur was the Guest of Honour and the theme speaker. He delivered a keynote speaker on the theme "**Digital Transformation: A New Industrial Revolution**". **Prof DP Mishra**, Chairman, IE (I) gave the welcome remarks.



Engineers' Day celebrated jointly by sister societies

Prof Kumar Vaibhav Srivastava, Chairman, IEEE, UP Section, presented the Life sketch of Bharat Ratna, Sir M Visvesvaraya. **Prof CP Varma**, Centre Chairman, introduced Prof Yatindra Nath Singh, the keynote speaker. Prof Yatindra Nath Singh in his address stated that Digital transformation is essential for the growth of connectivity, availability of cheaper compute devices, introduction of multilingual content and interfaces that could lead to use of digital services by common men. He said that this growth has given opportunities as well as challenges leading to emergence of new businesses and services. He also pinpointed the dark side of internet that has fuelled unethical businesses which thrive on anonymous value transfer using p2p digital currencies like bitcoin. He said that though difficult, but a regulated ethical use is needed for the benefit of society. Vote of thanks was proposed by **Dr Pragya Agarwal**, Centre Hony Secretary.

- The Centre organized an expert lecture on **Applications of Soft Computing in Electrical Engineering** on 27th Sep 2018 at PSIT Kanpur. **Prof Yaduvir Singh**, EE Dept, HBTU, Kanpur was the keynote speaker. **Er CP Varma**, Centre Chairman introduced the keynote speaker. Prof Yaduvir Singh, underlined the applications of Soft Computing and Fuzzy Logics in the field of EE and Control Systems. Students and faculty members of PSIT felt privileged by the knowledge and wisdom shared by the speaker. About 100 members, faculty members and students of EE Dept PSIT Kanpur & invited Guests, participated on the occasion. The program was ended with national anthem.

- The Centre celebrated the **65th IETE Foundation Day** on "Robotics and its Applications" on 2nd Nov 2018. **Shri Manish Kumar**, GM (Mobile), BSNL, Kanpur was the Chief Guest. **Dr Narendra Kohli**, CSE Dept, HBTU, Kanpur was theme speaker, who spoke on explained various aspects of Robotics, its functions, and advantages. He gave many examples of uses of Robotics in human life. Centre Chairman delivered the welcome address. Centre Hony Treasurer read the President's message. **Dr US Yadav**, Centre Past Chairman, gave the introduction of Chief Guest, **Shri Manish Kumar** in his address explained CDMA/GSM and also the use of optical fibre of Telephones. **Dr Pragya Agarwal**, Centre Hony Secretary, gave the introduction of theme speaker Dr Narendra Kohli. Senior Members of the Centre **Er PK Bhatnagar** (F- 060935) & **Dr Suprabha Karmakar** (F- 125907) were felicitated with Lohi & Mementos. ISF students from different colleges were present. Students' activities as quiz, paper/poster presentation were organized & the winners were awarded. **Er C P Varma**, Chairman (2018-20) & Immdt Past Hony Secretary (2016-18) were also honoured for his work in IETE Kanpur Centre. Around 50 members attended. Vote of thanks was proposed by Dr Pragya Agarwal.

KATHMANDU

The Centre organized an executive seminar on **Market Promotion of 4G LTE and Electric Vehicle** on 5th Oct 2018. **Prof (Ms) Timila Yami Thapa**, Centre Chairperson, **Prof (Dr) Binod**

Krishna Shrestha, Dean of Kathmandu University School of Management (KUSOM) and **Prof (Dr) Harihar Acharya**, Senior Research addressed the seminar as expert speakers. Two research papers were presented on promotion of **4G LTE** and **Electric Vehicle** highlighting its strengths and limitations to deliver customer expectations. Two panel discussions were held with the eminent personalities from Telecom Regulator NTA, Ncell, Researchers, Vehicle companies and stakeholders.



Prof (Ms) Timila Yami Thapa, Centre Chairperson, addressing the gathering

KOCHI

- The Centre conducted a workshop on **Robotics** in association with the Centre for Integrated Robotics Research & Development (CIRRD) for engg students. The syllabus included basics of sensors/transducers, logic gates, programming with Adriano, Interfacing through Bluetooth and internet etc. Another session for high school students was also conducted during October 2018. Faculty from CIRRD, handled the workshop and guided the students. A valedictory function was held on 13th Oct 2018 in which the chief guest **Shri Sreekumar Raja**, Dy GM, Cochin Shipyards Ltd gave away the certificates.

- The Centre celebrated **65th IETE Foundation Day** on 10th Nov 2018. **Dr MV Rajesh**, Centre Vice-Chairman introduced the dignitaries. Senior Fellow Members namely **Dr A Unnikrishnan (F-200003)** and **Shri T C Scaria (F-024388)** were felicitated. **Shri Prasad Balakrishnan**, CEO, 'Maker Village' (a Govt initiative for Incubation of Electronics Start-ups & Entrepreneurship) was the Chief Guest, who spoke on "Robotics & its Applications". **Shri C R Ramesh**, AP/E&C, VAST, gave a presentation on 'AI in Robotics'. While the Centre Chairperson, Dr R Gopikakumari presented certificates to ISF students. **Shri C Krishnakumar**, Hony Secretary proposed vote of thanks.



Dr A Unnikrishnan felicitated by IETE Kochi Centre on IETE Foundation Day

A joint meeting of ISF co-ordinators that gathered on the occasion from various engg colleges viz., districts of Trichur, Ernakulam, Kottayam and Alleppy, was held on the same day. These colleges included: Saingits College of Engg, Kottayam; KMEA Engg College, Edathala; Vidya Academy of Engg & Tech, Trichur; Viswajyothi College of Engg, Vazhakkulam; Christ Knowledge City College, Muvattupuzha; SCMS College of Engg & Tech, Karukutti; Adi Sankara Institute of Engg & Tech, Kalady; MGM College of Engg & Tech, Pampakuda; MES College, Kunnukara; Rajagiri College of Engg & Tech, Kakkanad participated. Office bearers of Kochi Centre namely: **Dr R Gopikakumari**, Chairperson; **Dr M V Rajesh**, Vice Chairman and Chief ISF Coordinator; **Shri C Krishnakumar**, Hony Secretary, interacted with the ISF Staff members. Dr Gopikakumari appealed the members to organize more technical activities and make conscious efforts to increase the membership. The staff members shared various issues and deliberated critically. To augment the ISF activities, sub committees were formed in order to coordinate for such technical activities; initiate membership drive, institutionalizing more ISF Units; starting a common Newsletter and website for ISFs; for interaction with relevant companies and experienced professional etc. The staff members found the meeting very useful and appreciated the efforts taken.

KOLHAPUR

The **IETE Sub-Center, Kolhapur** has been **relocated to the Dept of Electronics and E&TC, KIT's College of Engineering, Kolhapur (for details contact - 02312638881)**. A function was organized in this connection on 6th Oct 2018. It was informed that the Sub-center would now cover the jurisdictions of Sangli, Satara, Kolhapur etc. **Prof (Dr) KTV Reddy**, President IETE, graced the occasion as the Chief Guest while **Dr S K Khedkar**, Mentor, West Zone, was the invited Guest of Honour. **Dr V N Pawar**, Member, Board of Studies, ETE Dept, University of Bombay & Past Hony Treasurer & Hony Secretary, IETE Navi Mumbai Centre was also present. Dr Khedkar advised the students to use the facilities available with IETE to enhance their skill sets. Dr Pawar highlighted benefits of IETE in engineering institutes. Newly appointed Chairman of the Sub-Centre **Dr S R Chougule & Mrs A A Shinde** as Hony Treasurer were felicitated. **Dr V V Karjinni**, Director KIT's College of Engineering, gave the welcome remarks. Vote of thanks was proposed by **Prof R T Patil**, RIT, Islampur & Sub-Centre Hony Secretary.



IETE Kolhapur Sub-Centre relocation function

KOLKATA

- The Centre organized a one-day seminar on “Solar Power in India - a brief Review” on 5th Oct 2018, delivered by **Prof (Dr) S P Ganchoudhuri**, Former Director, Non Conventional and Renewable Energy, Govt of WB. About 80 participants were present in this seminar from industries and various academic institutions.
- The Centre organized a special EC meeting on 1st Dec 2018 in presence of the President IETE, **Prof (Dr) KTV Reddy** and Secretary General, IETE, **Lt Col Dipankar Sen (Retd)**. In this special meeting, members discussed about various activities to be organized by the IETE Kolkata Centre in future. Another meeting was convened with officials of Techno India University in context with MoU signed between the IETE and Techno India University. A Committee has been formed to formulate the modalities of the MoU to bring it up to date.



Special EC meeting with President IETE in progress

KOZHIKODE

The Centre celebrated **65th Foundation Day** at KMCT College of Engineering, Kozhikode, on 2nd Nov 2018. The function was graced by **Dr Ranjith C**, Principal, KMCT College of Engineering. **Dr Sabiq PV**, Vice Chairman presided. Shri Hemand EP, Hony Secretary, welcomed the participants. **Dr P Janardhanan**, immdt past Chariman and former Principal, KMCT College of Engineering, through his address, shed light on “Robotics & its applications”, highlighting military applications like flying robot drones, unmanned ariel vehicles and equipment for clearing mine fields, etc. Shri Swaradh P, EC member proposed the vote of thanks.



IETE Foundation Day celebrated at IETE Kozhikode Centre

LUCKNOW

65th IETE Foundation Day was celebrated by the Centre in association with Bansal Institute of Engineering and Technology (BIET), Lucknow, on 2nd Nov 2018. The Centre Chairman Er Satish Kumar; Hony Secretary, Prof V K Singh; Hony Treasurer, Shri Saurabh Dixit; Dr Sushil Kumar Agrawal, Director, BIET, and many senior members IETE graced the occasion. The theme of the deliberations was “**Robotics and It’s Applications**”. The Chairman welcomed the dignitaries and briefed about IETE and its objectives. Shri Saurabh Dixit, Hony Treasurer, read out the message of the President, IETE. An expert lecture on the topic was delivered by **Ms Anshu Khare** from Livewire Institute, Lucknow. She expounded about Internet of Things (IoT) and their applications in robotics.

A **paper presentation contest** for students was also held on this day. Students of engg colleges including BIET; RR Institute of Mgmt & Tech; BBD National Institute of Tech & Mgmt; Shri Ramswaroop Engg College and Central Institute of Plastic Engg & Tech participated in the form of 15 teams with their talks and presentations. Prizes were given to three winning teams. The first prize was bagged by Saksham Saxena & Malla Tharun Babu, Amity Univ, Lucknow; while the second prize went to Shrishti Vishwakarma & Satakshi Dixit, BIET, Lucknow. The third prize went to Anurag Dubey & Kamini Sharma from RRIMT, Lucknow. The panel of judges included: Dr L K Maheshwari, Former Vice Chancellor, BITS Pilani; Shri Kali Shanker, (Retd) Sr Scientist, ISRO and Shri Shabbir Ahmad, Ex-Director, BSNL Board. To express gratitude and show respect, IETE Lucknow center felicitated **Dr L K Maheshwari** (F-013889) and **Shri Kali Shanker**, (F-049734) by presenting mementos, shawls and certificate of felicitation for their tireless efforts and guidance.



Paper Presentation Contest held on IETE Foundation Day

MUMBAI

- The Centre inaugurated a **Centre of Excellence in Embedded Systems** at IETE House, a first of its kind for IETE. **Shri Parag Walinjkar**, Centre Hony Secretary welcomed the gathering. **Dr S S Thakur**, Centre Chairman, briefed the audience regarding latest activities. He informed that Microchip and Accelus Robotics had sponsored software licenses and hardware worth Rs 20 Lakhs to the centre. He appreciated the efforts taken by new EC to improvise

the technical activities at the Centre. **Dr Vikas Gupta**, Hony Treasurer, **Ms Kirti Rajadnya** and **Shri N Karnani** introduced the guests. **Dr Subhajit Jagadev**, Head CISCO Academy Support Centre & ITC, India, was Guest of the Honour for the function. He spoke about the academic activities of CISCO in India and offered to get associated with the Centre in the network related training programs for the students. **Dr KTV Reddy**, President IETE also graced the function and briefed the audience on current activities of IETE. The Centre signed two MoUs with **Dr Jonathan Joshi**, CEO, Eduvance. It was informed that Mumbai Centre has decided to run training courses in advance embedded systems and IoT in partnership with Eduvance and to grade the skills of engineers using GradeMe and certify them. Eduvance is training partner of Microchip to conduct various advanced level training programs for microchip products.

The Chief Guest, **Shri Jagan Jothivel**, Head Microchip UPA, India, addressing the students spoke on various microchip products, need of skilled engineers at national level. He inaugurated a fully equipped laboratory at IETE House, Chembur. He spoke about the importance of MAPIC (Microchip Academic Partner Industry Connect) program, an initiative undertaken to improve placements for IETE student members. He even desired this initiative to be extended at a national scale for IETE. **Prof Suvarna Bhise** offered vote of thanks. The function was attended by principals of engineering colleges, academicians, HoDs, Industry personnels, ISF co-ordinators and students. More than 50 participants participated.



Centre of Excellence established at IETE Mumbai Centre; Guest of Honour, **Shri S Jagadev** from CISCO, addressing the gathering

• The Centre celebrated **65th IETE Foundation Day** jointly with IETE Navi Mumbai Centre on 2nd Nov 2018. **Shri Parag Walinjkar**, Centre Hony Secretary welcomed the gathering. **Dr S S Thakur**, Centre Chairman briefed the importance of foundation day and felicitated **Shri Kirit Sheth (F-013809)**. **Dr Baban Rindhe**, Navi Mumbai Chairman, felicitated **Shri Ramani S (F-038777)**. Chief Guest **Dr R S Sengar**, BARC, shared his views on ‘Robotics and its Applications’, highlighting advance robotic systems, indigenously developed by BARC; particularly for health care, medical and societal applications. **Prof Subhedar**, Hony Secy Navi Mumbai, offered vote of thanks.

NAGPUR

• The Centre celebrated **IETE’s 65th Foundation Day** on “Robotics and its Applications” on 3rd Nov 2018 with **Dr Aatish Daryapurkar**, Prof/IIIT, Nagpur, the Chief Guest and key note speaker for the occasion. **Dr B P Joshi**, Centre Chairman presided over the function. **Dr P D Khandait**, Hony Secretary, read out the President’s message. The concept of ‘Fuzzy logic and its real time applications’ was presented by **Ms Bhumika Bais & Ms Monika Bhole**, REC, Nagpur. **Shri Pratik Rambhad & Ashlesha Purandare**, YCCE, Nagpur, presented their concept of project on ‘Line Follower Bot and Mesh Solver’. **Shri Bhushan Kohade & Shri Nishant Gadhawe**, JD College of Engg, Nagpur, made presentation on ‘Quadcopter’. **Shri Aditya Dhoke**, from IIIT Nagpur, presented his work of Robotics start-up on ‘Idaavis’. **Shri Kartik Kinge**, from IIIT Nagpur, presented his concept of Augmented Reality **Start-up** on “ARVidhya”. **Dr Aatish Daryapurkar** delivered expert lecture on ‘Nanotechnology in Robotics’. Vote of thanks was proposed by **Shri A R Sawatkar**, Immdt Past Chairman. **Shri S P Gorowara**, Retired DIG, BSF, **Shri Anil Joshi**, Prof Ajay Tinguria, Hon Treasurer also attended the function.



Foundation Day observed at IETE Nagpur Centre

On the same day the Centre also organized **IETE Suraksha Gorowara Memorial Essay competition** & prize distribution. **Dr Aatish Daryapurkar**, Prof/IIIT Nagpur, was the Chief Guest for it. **Dr BP Joshi**, Centre Chairman presided. **Ms Ruchika Shirshikar**, student from Smt CB Adarsh Vidya Mandir High School and Junior College secured first position. **Ms Tisha Dekate**, from same school bagged the second position. **Chaitanya Dongre** from Jindal Public School, Nagpur, secured the third position. **Ms Ekta Kasekar** from Smt CB Adarsh Vidya Mandir High School and Junior College received the consolation prize. The same High School & Junior College got Suraksha Gorowara Memorial Rotating Shield. Later an expert lecture on ‘Nanotechnology in Robotics’ was delivered by **Dr Aatish Daryapurkar**, Prof IIIT Nagpur. Dr BP Joshi inspired students to go for startups. Vote of Thanks was proposed by **Shri AR Sawatkar**, Centre immdt Past Chairman. Senior Member **Shri S P Gorowara**, Retd, DIG, BSF who sponsored the prizes was also present on this occasion.

NASHIK

Electronics & Telecom Division of K K Wagh Institute of Engg Education & Research, Nashik, celebrated the **65th IETE Foundation day** on “Robotics and its Applications” on 2nd Nov 2018. During this programme, IETE Chairman of Nashik Sub-Division & HoD **Dr D M Chandwadkar**; Space Educator **Ms. Apurva Jakhadi**; Centre Hony Secretary, **Dr S S Morade**; Hony Treasurer **Shri S A Bhadane** and staff were present. **Dr D M Chandwadkar** spoke on the theme selected for the day. Ms Jakhadi highlighted the ongoing activities of the Sub-Centre.



K K Wagh Institute of Engg Education & Research, Nashik, celebrated the IETE Foundation Day

PALAKKAD

A two-day hands-on-workshop on **IoT with Texas Technology** was conducted during 8th-9th Sep 2018, inaugurated by **Shri C K Haridas**, Founder Chairman & IETE South Zone Mentor. **Prof (Dr) V Devi**, Centre Chairperson & **Prof N Leena**, NSS Engineering College, Palakkad, co-ordinated for the workshop. Prof Devi gave brief note on the latest technological development in IoT. Prof N Leena welcomed the participants and made introductory remarks on IoT. The workshop was conducted by **Shri P Suresh**, the resource person for both embedded systems and IoT with Texas Technology. The participants were taught the method of transferring the data from designed system to clouds. Shri Haridas informed the students about opportunities and competitions and funding projects under the DST and others. About 57 students were participated from four engineering colleges. **Smt Manju K R**, EC Member, proposed the vote of thanks.

Another two-day hands on workshop was conducted on **IoT** on 26th-27th Oct 2018 at IHRD College of Applied Science. This was also inaugurated by **Shri C K Haridas**, Founder Chairman & IETE Governing Council Member. **Shri Beji K Mathew**, Principal & Centre Hony Secretary and Nodal Officer IEDC of the College, presided. The participants were taught the method of PCB manufacturing and the transferring the data from designed system to clouds. **Ms Sreela Dileep**, HoD/ECE proposed the vote of thanks. 55 students participated. The workshop was co-ordinated by **Shri P Suresh**.

65th IETE Foundation Day was celebrated on 2nd Nov 2018. **Prof (Dr) V Devi**, Centre Chairperson, presided over the function, while **Shri Beji K Mathew**, Hony Secretary delivered the welcome address. **Prof N Leena**, Centre EC member, delivered a brief talk on the topic- Robotics. **Shri C K Haridas**, Founder Chairman & GC member felicitated **Prof (Dr) K Geetha** (F-222168), Immd Past Chairperson; **Prof (Dr) V Devi** (F-237311), Chairperson and **Prof N Leena** (M- 500698). Vote of thanks was proposed by Shri B Sureshkumar, Hony Secretray.



Felicitations by IETE Palakkad Centre

The Centre organized an **Women Youth Empowerment Program** jointly with ISF at Govt Polytechnic College, Palakkad on 5th Dec 2018. **Shri M Chandra Kumar**, Principal of the College, presided over the function. **Shri B Suresh Kumar**, ISF Coordinator & Centre Hony Treasurer, welcomed the audience. **Shri C K Haridas** addressed the students and explained the necessity of being a part of the society, which is important in nation building. **Sr Gr APP, Prem Nath** delivered the keynote address on “Role of Social justice and Cyber Security for women empowerment”. He explained with examples from experience of the girls being trapped through use of smart phones. He explained the basic contents of IT Act. After feedback session **Shri A Abhishek**, ISF Chairman, proposed the vote of thanks.

PUNE

The **65th IETE Foundation Day** was celebrated at the All India Shri Shivaji Memorial Society’s of ECE Dept on “Robotics & its Applications” on 2nd Nov 2018. **Shri Prasad Kulkarni**, Vice-President, Logic on Techno solutions and **Shri Rohit Pansare** delivered expert talks. **Shri Kishor Shende**, Centre Chairman and **Dr RD Kharadkar**, Centre Hony Secretary were present.

The Centre, Radio FTII & Pune Hams' celebrated 160th Birth Anniversary of Sir JC Bose who pioneered the Radio Transmission on 1st Dec 2018. It started with the screening of a short film on Sir JC Bose. **Shri Vilas Rabde** VU2VPR, explained the purpose of igniting young generation through this program. After the introductory session, gave information about Ham Radio as a scientific hobby and its activity in Pune. Through his talk, he explained how the Hams have been involved & contributed in the

development of radio technology. **SWL Sanjay Chandekar**, Radio FTII 90.4 Mhz discussed and communicated about Community Radio and how it worked. He enthused the participants to use this platform & express for the benefit of the society. **Shri Kishor Shende**, Centre Chairman welcomed all & **Shri Varun Bharadwaj**, FTII Registrar felicitated the guests. **Dr Yashwant Gupta**, Dir, National Astrophysics Center (NCRA), Min of Sci & Tech, GOI, Pune, the keynote speaker, spoke on “Exploring the Universe through Radio Astronomy”. He traced the history of optical telescope and shared his views on the advancements in the Radio Communication Technology. While discussing the radio telescopes in India, he mentioned about persistent efforts of **Dr Govind Swarup** and illustrated the story with detailed scientific description of the radio telescope in GMRT Khodad, with lot of interesting slides. He opined that if organisations like Jyotirvidya Parisanstha and Ham Radio come together with their experts then NCRA could collaborate then it would be easy to get the Asteroids’s information with the help of radar and design & make Indian equipments. **Shri Sudhir Phakatkar**, GMRT Technician, Khodad, gave a demonstration of the replica of world’s first radio Micro waves broadcasting equipment and also spoke about the research done by Sir JC Bose and his work. After the demonstration people asked numerous questions and showed interest in how the replica works. **SWL Vishwas Kale**, an instrumentation technocrat in Pune, entertained the audience with Marconi’s contribution in radio technology and also told the difference between researches and perceptions of Sir JC Bose and Marconi. **Ham OM Mangesh Patil**, VU3OUM, Pune, gave a demonstration of how to receive pictures from spaceships i.e. ISS (International Space Station Picture Reception). **OM Shripad Kulkarni**, VU3YBU, spoke about Web Radio or an Internet Radio. A small exhibition of rare radio models were also arranged which were from his collection. The program concluded by the screening of a short film named “Gungunati Ansooni Awajein” which was about how Radio FTII is doing a job empowering the society especially the woman empowerment. More than 100 enthusiasts from Baramati, Nevase, Belgaum and Mumbai attended. Vote of thanks was proposed by **Shri Vilas Rabde**.



The IETE Pune Centre, Radio FTII & Pune Hams' celebrated 160th Birth Anniversary of Sir JC Bose

RAJKOT

- “**Technoplanet–2018**”- a national level technical event, was organized by the School of Engineering, R K University in association with IETE Rajkot Centre, ORACLE, CISCO, IEI , ISTE on 5th Oct, 2018. It was inaugurated by **Shri Jatin Kataria** Founder, WE group, Co-founder; **Shri Grinij Haria**, CMD, Impetus Turnomatics; **Shri Denish Patel**, Exec Vice-President, R K University; **Shri Bhavesh Khatra**, MD, Momai Foods Pvt Ltd; **Dr CH Vithlani**, HoD/ECE, GEC and Fellow & Ex Centre Treasurer; **Shri Ravin Bhadja**, Avika Engineering Solutions Ltd; **Dr Nilesh Kalani**, Dir, School of Engineering and Fellow & Centre Co-opted member. Welcome address was by **Shri Denish Patel**. Technical events like Titans of circuits, Robowar, Excoitation, SEED-MET, Surveying Hunt, Data Discovery, Netathon for Security, Idea box and Interdisciplinary Project competition were organized. Students expressed their innovative skills in various domains like electronics, electrical, civil, mechanical, computer, agriculture and entrepreneurship. Technical workshop on Aeromodelling was held. Over 700 students from across the state participated. The theme for this year’s Techno Planet was ‘**Skill India**’. Students participated and benefitted from this experience. Vote of thanks was proposed by **Prof Trupti Parmar**.

- **65th IETE Foundation Day** was celebrated on “Robotics and Its Applications” on 4th Nov 2018. The expert talk was arranged by **Shri Sunil Lavadiya**, AP/EC Faculty of Engineering, Marwari Education Foundation Group of Institutions. **Dr Rahul D Mehta**, Centre Hony Secretary welcomed the gathering. **Er CM Devani**, **IBS (Retd)**, Founder Chairman briefed the participants on the back history of IETE. **Er Mohit Parbat**, EC Member IETE Rajkot Centre, conducted the programme. Vote of thanks was proposed by **Dr Atul Gonsai**, Centre Hony Treasurer.



Speaker making a point during Foundations Day celebration at Rajkot

RANCHI

4th International Conference on “Nanoelectronics Circuits & Communication Systems (NCCS-2018)” was held on 3rd-4th Nov 2018 in association with ISVE & BSNL at ARTTC BSNL Ranchi. The dignitaries gracing the dais included: Chief Guest **Shri Vinay Kumar Choubey (IAS)**, Principal Secretary IT, Govt of Jharkhand; **Prof (Dr) KTV Reddy**, President IETE; **Dr S Pal**, Former President IETE and Former Vice-Chancellor, DIAT, Pune;

Lt Gen (Dr) AKS Chandele, PVSM, AVSM (Retd), Immdt Past President IETE; **Shri KK Thakur**, CGMT, BSNL, Jharkhand Circle Ranchi, Centre Chairman; Keynote speaker-**Dr Abhijit Biswas**, Prof, Institute of Radio Physics & Electronics, University of Calcutta (WB); **Dr Mahesh Chandra**, Prof & Dean, BIT Mesra Ranchi; **Dr SS Solanki**, Prof & Dir, Univ Polytechnic BIT Mesra; **Dr Vijay Nath**, Centre Hony Secy & faculty BIT Mesra, General Chair of NCCS-2018; **Dr Anand Kumar Thakur**, Hony Treasurer and faculty Ranchi University as Organizing Secretary NCCS-2018; **Dr RK Singh**, Former Prof and Founder Centre Chairman; **Dr Raj Kumar Singh**, Faculty Ranchi University & Centre EC member as Convenor NCCS-2018 and Smt Saroj Jha as comperer, DD Ranchi.



Dignitaries releasing the Souvenir

The welcome address was by **Shri K K Thakur**. **Dr Vijay Nath** gave an overview on technical activities and publications of articles. **Prof (Dr) KTV Reddy** presided over the meeting and expressed his wish for opening of an IETE University in Ranchi in near future. **Dr S Pal** in his address shared his experience at ISRO and explained the role of developed CMOS devices for defence. **Lt Gen (Dr) AKS Chandele** expressed the need of organizing such more conferences. Dr Mahesh Chandra & Dr S S Solanki appreciated assiduous efforts of the Centre. Dr Abhijit Biswas delivered his keynote lectures on Nanoelectronics and explain the importance on Nanoelectronics in near future.

Shri Vinay Kumar Choubey released the book "*Nanoelectronics Circuits & Communication Systems*" authored by Dr Vijay Nath (BIT Mesra), Dr JK Mandal, Hony Secretary IETE Kolkata Centre & Prof from Kalyani University. In his address he expressed his aspiration for developing the state into a digital state. Appreciating the conduct of such conferences by the Institution, he even agreed to support such activities having national /international importance.

Shri Ajay Kumar explained the activities of IETE and its contribution to society in his address. This conference covered four major technical sessions, namely- **Microelectronics and Signal Processing, Sprintonics-Perspective & Challenges, Embedded System & Signal Processing and Green Energy & Robotics**, handled by experts in the domain. The conference also witnessed presentations of more than 80 selected papers. Vote of thanks was proposed by Dr Anand Kumar Thakur.

SHIMOGA

The Centre conducted a one-day workshop on **Internet Awareness and Digital transactions for Women and Senior Citizens** in association with JNN College of Engineering (JNNCE), Shimoga on 15th Sep 2018, inaugurated by the Chief Guest **Shri SN Nagaraja**, Secretary, National Education Society, Shimoga. The function was presided over by **Dr HR Mahadevaswamy**, Principal, JNN College of Engineering, Shimoga. **Dr P Manjunath**, Centre Chairman, **Dr MB Usha Devi**, Centre Vice-Chairman, **Prof Sharath SM**, Centre Hony Secretary and **Prof Shashikiran S**, Centre Hony Treasurer were present. **Shri Nagaraja** expressed his satisfaction on the fact that event was organized with a social concern. **Dr Mahadevaswamy** in his address highlighted the importance of information security in digital transactions. **Dr Usha Devi** described internet as a tool for women to sell their home-made products. Dr Manjunath informed in his speech that such workshops were being conducted regularly. The workshop included knowledge on online transactions, online money transfers, e-mails, online shopping, online bill payment, IRCTC bookings, Internet Banking, PayTM, WhatsApp call apps, that were taken up in detail. Resource persons included: **Shri Shiva Prasad**, IT Manager Kathra Soft, Bangalore and **Shri Anand Raj SN**, AP/TCE, JNNCE, Shimoga. Mrs Aparna, AP, Mrs Bhuvana Khare, AP, Shri Anand Raj SN, AP and Mrs Nalina BS, AP coordinated. Such programs act useful for house wives and senior citizens.



One-day workshop on Internet Awareness being inaugurated

SIVAKASI

- The Centre organized the **2nd Techno Blaze** for the Academic year 2018-2019 as usual in the form of lecture-cum-group discussions on 20th Aug 2018 at the Advanced Communication Lab, Dept of ECE, Mepco Schlenk Engineering College (MSEC), Sivakasi. **Dr T Sabapathi** Hony Secretary delivered the welcome remarks. **Dr C Geethapriya**, Prof, Dept ECE, Kamaraj College of Engg & Technology, Virudhunagar, delivered a lecture on "Key

Technologies for Physical Layer Communications in 5G” and initiated group discussion. After the programme **Dr G Indumathi**, Chairperson, proposed the vote of thanks. About 35 members attended this programme.

- The 3rd **Techno Blaze** (2018-2019), was organized at the same venue as mentioned above on 17th Sep 2018 by **Mrs VS Benitha**, AP/Dept of ECE, MSEC, on **Fabrication Techniques for Micro Engineering Devices: Clinical Perspective**. **Dr T Sabapathi**, Hony Secretary and **Dr G Indumathi**, Centre Chairperson also addressed the gathering. About 40 members attended this Technoblaze and participated enthusiastically in the discussions.

- **65th IETE Foundation Day** celebrations began with the prayer song on 2nd Nov 2018. **Dr T Sabapathi**, Hony Secretary, welcomed all present. **Dr R Shantha Selvakumari**, HoD/ECE, Mepco Schlenk Engineering College(MSEC) and Centre Past Chairperson presided. **Dr J Senthil Kumar**, Assoc Prof/ECE, MSEC, & the keynote speaker, delivered a lecture on “Robotics and its Applications”. The **Award of Achievement**, honoring those ISFs who were holding highest number of student member enrollments during the academic year 2017-18 was presented. The highest ISF membership award was bagged by ISF of **Mepco Schlenk Engineering College, Sivakasi**, with ISF membership of 185. The second highest ISF membership award was owned by ISF of **Kalasalingam Institute of Technology, Krishnankoil**, with membership number of 146. Vote of thanks was proposed by **Dr M Davidson Kamaladhas**, Hony Secretary of the Centre.



Dr G Indumathi, Centre Chairperson, reading out message by President IETE for the day

THIRUVANANTHAPURAM

- In August this year Kerala faced severe floods due to unusually high rainfall, wherein many people died, went missing and many had to be evacuated from their homes. According to the official records at least 14 districts of the State were placed on red alert. In wake of this incident, IETE Kerala Centre came forward and contributed towards the Chief Minister Relief Fund. The Centre Chairman **Prof N Radhakrishnan Nair**, is seen making this charity to the Honorable Minister for Technical Education, **Dr**



K T Jaleel in the presence of **Dr K C Raveendranathan**, **Dr V Bhadran** and **Dr R Pradeep**, Centre EC Members, in the picture above.

- The Centre and ISF of College of Engineering, Pathanapuram jointly celebrated **65th Foundation Day** of the Institution on 2nd Nov 2018. It function was co-ordinated by **Mrs Navitha K Krishnan**, HoD/ECE. **Dr C Gopakumar**, Assoc Prof/ECE, College of Engineering, Karunagappally, graced the event as the Chief Guest. Dr C Gopakumar held an interactive session with students on “Fundamentals - Bridging the Gap”. Shri R P Nair, Shri Gireesh Kumar, Centre EC Members attended.

TIRUPATI

The Centre commemorated the **65th IETE Foundation Day** on 8th Nov 2018 in association with Indian Institute of Technology (IIT), Tirupati. **Shri R Umamaheswaran**, Scientific Secretary, ISRO, Bangalore was the Chief Guest. **Prof K N Satyanarayana**, Director, IIT Tirupati and **Dr Amit Kumar Patra**, Director, NARL, Dept. of Space, Gadanki, graced the occasion. **Dr T V C Sarma**, Centre Chairman presided over the programme. **Prof N Padmaja**, Hony Treasurer, delivered the welcome address. **Dr Sai Rama Krishna Gorthi**, HoD/EE, IITT introduced the Chief Guest. **Prof K N Satyanarayana** outlined the benefits of collaborations between academic institutions, R&D laboratories and professional societies. He appreciated the work of IETE and encouraged all to derive benefits like networking, mentoring & being mentored that would be available on being



IETE and IITT celebrating jointly IETE Foundation Day

associated with IETE. **Dr Amit Kumar Patra** re-collected the interaction of IETE and NARL during the long tenure of their associations in technological developments and encouraged IETE Tirupati Centre to continuously evolve to greater heights. **Shri R Umamaheswaran** delivered the lecture entitled “Robotics and Space based Applications”. He outlined the vision of the Indian Space program and gave an exposition of the programmes and missions of ISRO. He highlighted applications of robotics in space missions across the world and specific robotics applications in missions by ISRO viz., Chandrayaan-II, Venus mission, Mangalyaan and Human Space Program. Vote of thanks was proposed by **Dr V Veeraswamy**, EC member, IETE Tirupati Centre.

VADODARA

The Centre organized an audio-visual presentation-cum-technical lecture on **Recent Advances in CSI fed AC drives** on 8th Sep 2018, which was delivered by young technocrat **Dr Vinesh Kapadia**, M/s Bombardier, Vadodara, Ex-Dean Faculty of Technology. **Prof**



Felicitations to Dr Kapadia after the lecture by Dr Hina Chandwani, Centre Chairperson

Bhuvan Parekh delivered the welcome address. Hony Secretary **Shri Yashpal Goyal** introduced the speaker to the gathering, who was an alumnus of MS University's Faculty of Technology. The lecture was very educative and was a guiding factor for some of the MTech student participants. The details of the current source and the resultant wave forms generated by using different techniques were thoroughly explained with diagrams and circuits. There were around 20 participants in this event. Dr Kapadia was felicitated by Dr Hina Chandwani after the session.

YAVATMAL

- The Sub-Centre got 1st best Sub-Centre Award-2017-18 at 61st AIC-2018 at IETE Amravati on 29th Sep 2018.
- The Sub-Center conducted a Quiz competition at Jawaharlal Darda Institute of Engineering and Technology (JDIET), Yavatmal on 5th Oct 2018. Installation of ISF JDIET, Yavatmal and prize distribution of quiz competition was organized on 9th Oct 2018.



Installation of ISF JDIET_ Yavatmal and prize distribution of quiz competition



IETE with distinguished members of editorial team of IETE Journal of Research

News from Professional Activity Centres (PACs)

PAC- Australia

IETE PAC at Australia is one such Activity Centre that is going from strength to strength. IETE takes pride in their active role and responsibilities. The team conducted the following two symposiums this quarter.

- The 11th IETE Australia Symposium was organized by the Chairperson, **Shri Atul Garg** and his team on 29th Sep 2018 at Murdoch University, School of Engineering and IT, Murdoch, Western Australia. The Members and experts who attended the symposium included: **Atul Garg**, Chairperson PAC; **Pramod Kapoor** (on Skype); **Prashant Upadhyay** (from India on Skype); **Suman Dewan**; **Sandeep Sharma**; **Davishi Verma**; **Yogesh Dua**; **Manish Vashisth**; **Yash Pal Sharma**; **Vishal Pachnanda** and **Rajpal Kapoor**. The two presentations given on the occasion were “Good and Bad Impacts of everything moving onto Cloud” by **Prashant Singh** and “Self Driving Cars” by **Siddharth Malani**. The two new members welcomed were: **Prashant Upadhyay** and **Yash Pal Sharma**. Kudos to **Siddharth Malani** who agreed to join the committee to further expand the IETE Australia activities and help them with promotions, getting more members, sponsorships, organising events etc. The PAC now have 84 formal/informal members from all over Australia. The programme concluded with vote of thanks by **Shri Atul Garg**.



Members and experts attending the symposium at Murdoch University, School of Engineering and IT, Murdoch, Western Australia

- The 12th IETE Australia Symposium was organized on 18th Nov 2018 at Murdoch University, School of Engineering and IT Science and Computing Building, Murdoch, Western Australia. The Members and experts present were: **Atul Garg**, Chairperson PAC; **Pankaj Patro** - On Skype; **Rajpal Kapoor**; **Siddharth Malani**; **Pramod Kapoor** - On Skype; **Suman Dewan**; **Hemant Kumar**; **Anuradha Guddenti**; **Abhihit Tankala**; **John Bose** and **Rajesh Moturu**. Two presentations given on the occasion were: ‘Robotics and its impact on our daily life’ from the series of Chairman’s Basics by **Shri Atul Garg** and “Radio based 3D Localisation of Underwater Robots” by **Rajesh Moturu**. In the first presentation, **Shri Garg** explained the topic through definitions, technologies used, how robots work, basic components, examples and applications and future developments. He talked about the increasing demands for robotics engineers and robotics programmers. The speaker stated that robots deliver increased productivity. Robotics and Artificial Intelligence will continue to go together to deliver greater automation. Taking of techniques, he said various techniques have emerged to further develop the science of robotics and robots. One method is evolutionary robotics, in which a number of differing robots are submitted to tests. Those which perform best are used as a model to create a

subsequent “generation” of robots. Another method is developmental robotics, which tracks changes and development within a single robot in the areas of problem-solving and other functions.

The second presentation on **Radio based 3D Localisation of Underwater Robots** by **Rajesh Moturu** was based on a real project done by the speaker himself on – Study of how to coordinate large groups of relatively simple robots through the use of local rules, which take its inspiration from societies of insects that can perform tasks that are beyond the capabilities of the individuals. Localisation concept is to figure out robot’s position in an environment or determining where a mobile robot is located with respect to its environment. The speaker shared that localization has received the greatest research attention in the past decade and, as a result, significant advances have been made on this front. The common method of underwater localization is using the active sonar. This may help determine where other robots are if they are stationary. Another possibility is Radio waves which are highly attenuated in water. The talks were well received by the audience.

PAC- Sahyadri College of Engineering and Management

- IETE is pleased to inform inauguration of a new **ISF and Professional Activities Centre (PAC)** at **Sahyadri College of Engineering and Management, Mangalore**, which was inaugurated by **Dr K T V Reddy**, President IETE in the presence of **Dr M H Kori**, IETE Distinguished Fellow and Former Technical Director Alcatel Lucent Technologies and **Dr R Srinivasa Rao Kunte**, Principal, Sahyadri College of Engineering and Management. on 10th Nov 2018. **Dr Ashwath Rao**, HoD/E&C welcomed the audience. During his inaugural address **Dr K T V Reddy** mentioned about various streams of education being provided for students, staff and how one can get degree from IETE, while working. The Guest of Honour **Dr M H Kori** briefed the audience about how IETE facilitates in arranging invited talks. The presidential address was delivered by **Dr R Srinivasa Rao Kunte**. **Shri Gurusiddayya Hiremath, AP** proposed the vote of thanks.



IETE PAC & ISF established at Sahyadri College of Engineering and Management, Mangalore on 10th Nov 2018

- A technical talk on “**Wireless an Expression of Freedom**” by **Dr M H Kori**, IETE Distinguished Fellow was held on 10th Nov 2018. He gave an insight on the evolution of wireless communication, cellular communication & its revolution and also elaborated various topics like cell splitting, sectoring and importance of frequency reuse. He also said about bits accommodation in bandwidth, FDMA, TDMA, CDMA and LTE network. He concluded his talk by briefing about current technologies like 3G, 4G, 4.5G and future 5G technology.

IETE Students' Forum Activities

The technical events reported by IETE Students Forums (ISFs) during past months are as follows in chronological order.

- **ISF at Dept of ECE, Shri Venkateshwara College of Engineering (SVCE), Bengaluru**, conducted a faculty development program on **Jul 23, 2018**. Prof H S Bhatia, Chairman, Bangalore centre was the Chief Guest. The objectives of this program were to ascertain the novel and updated concepts of 5G Wireless communication. The **ISF** organized a one-day technical seminar on "Introduction to Human Values" at the campus on **Jul 30, 2018**. The objective of this seminar was to enlighten on the human values in technical education. The seminar helped in student's personality development & faculty development on a large scale. The **ISF** conducted another student development program on "How to Crack GATE/ESE/PSUs in 1st Attempt" on **Sep 1, 2018**, in association with "ACE Engineering Academy", Bengaluru. Dr Vijayshree R Budyal, Prof & Head/E&EE was the convener. Shri Raghavendra Sarala, Manager, Academic Relations presided. Shri Amit Saha, GM, ACE Engineering Academy was the resource person. Technical talk on "Renewable Energy and Energy Conservation for Sustainable Development" was held on **Sep 17, 2018**. Shri Jagannatha Rao B N, Hony Treasurer, Bengaluru Centre, the Chief Guest, addressed the gathering. Dr H Naganagouda, Director, National Training Center for Solar Technology, Karnataka Power Corporation Ltd, Bengaluru, was the resource person. Dr Suresha, Principal delivered presidential talk. Dr Vijayashree R Budyal was a convener for the program. A new session of the **ISF** at Dept of CS & IS, SVCE, Bengaluru, was inaugurated by the Chief Guest, Sri C Satyanandan, Hony Secy, IETE Bengaluru Centre on **Oct 25, 2018**. Prof C Murali was the Guest of Honour, and he delivered a technical talk on 5G Systems. Dr Shoba, HoD, proposed the vote of thanks.
- **ISF at Depts of TE & ECE, Ramaiah Institute of Technology, Bangalore**, organized jointly a Faculty Development Program on "RF Circuits and System" during **Jul 23-28, 2018**. It was technically supported by IETE Bangalore Centre, IEEE Sensor Council, Bangalore Chapter and IMAPS India.
- **ISF at Sinhad Institute of Technology (SIT), Pune and Lonavala**, arranged a one hour expert talk on NPTEL mentoring session on **Jul 24, 2018** by Prof D K Shende, NPTEL certified staff for TE students and also Shri Saurav Kumar, ISF Vice President, deliver session for SE students. The new committee

of IETE Lonavala was officially designated with their respective responsibilities on **Jul 27, 2018**. Chief Guest, Dr MS Gaikwad, Principal; Dr DD Choudhary, Vice Principal; Dr VV Deotare, HoD/E&TC graced the occasion. On the same day "Nakshatra 2018" a new activity was added with a basic intention to honour excellent staff performer. IETE club appreciated Dr V V Deotare and awarded this year's award to him for his selfless contribution to dept. Yet another awareness programme was conducted on the same day and a talk was delivered by Dr D D Chaudhary. This session gave brief idea about how important NPTEL courses are and what benefits they have for teachers. He also made the staff aware about the various types of courses available on NPTEL, its enrollment and benefits. Another event held was during **Jul 28-29, 2018** on trending technology of IOT and Android Development, by Shri Shrikant Padhen and Shri Manohar Shinde. The students were given knowledge about PCB designing, different android development software and tools and basic knowledge of how IOT works. Around 60 students actively participated in this 2 days workshop. Smart Campus was inaugurated on occasion of STES Foundation Day by all Principals of STES Lonavala campus and also IETEian's innovative presentations were exhibited on **Aug 11-12, 2018**. The event was appreciated by everyone. Smart Campus logo design competition was also conducted and the winner was awarded. Electromania 2.0, quiz competition and logo designing were conducted during **Aug 31-Sep 1, 2018**. About 60 entries were received. Three winner groups were awarded with E&TC project kits for student technical improvement. An expert talk was arranged in valedictory function of Antenna Internship Program on **Sep 10, 2018**, delivered by the Shri Ameya Agrawal & Shri Ashish Bhattad. Certificates were distributed to students and participants. The mega event of the ISF was conducted on PHP, Python, IoT on **Sep 22 & Oct 14, 2018**, by Shri Jeevesh Awal, Techmanics Delhi. About 60 students participated and two best groups received the winning and runner-up cash prizes. Every student got two certificates: participation certificate and Internship certificate. This internship was cosponsored by M/s Snypize Services Lonavala. On **Oct 9, 2018** IoT Centre of Excellence was inaugurated. The idea was to focus on mini project exhibition of IOT project developed by BE and TE students. About 35 projects were presented. The activity was well appreciated by the

Calendar of Events

Subject	Date	Venue	Contact
23 rd Sir C V Raman Memorial Lecture	Feb 28, 2019	IETE Bangalore Centre	Prof HS Bhatia, Chairman, IETE Bangalore Centre, Bellary Road, Gandhinagar, Bangalore – 560 032 (Mob): 09243401078 Ph: 080-23331133 Email: harjinder.sbhatia@gmail.com; chairman.ieteb@gmail.org
50 th Mid Term Symposium (MTS-2019) on "Recent Trends in Wireless Communications"	April, 2019	IETE Kathmandu Centre, Nepal	Lt Col Dipankar Sen (Retd), Secretary General, IETE HQ, 2, Institutional Area, Lodi Road, New Delhi – 110 003 (M) : 09958777843 (O) : 011-43538821 Email: sec.gen@iete.org; Prof (Ms) Timila Yami, Chairperson, IETE Kathmandu Centre (M) : 0841298009, Phone: 00977-1-4784213, Email: timilathapa@gmail.com; Kathmandu@iete.org

Principal & HoD. ETL day was celebrated on **Oct 12, 2018**. The presentations given and the quiz conducted was quiet interesting and that explored the fundamental of electromagnetic subject. The event was coordinated by Mrs VS Baste and Shri M S Raut, and it was appreciated by IETE club and HoD.

- **ISF at Dept of ECE, Priyadarshini Engineering College (PEC), Vaniyambadi, Vellore (TN)**, conducted a one-day seminar on “PCB Design and Embedded System” on **Jul 25, 2018**. Shri RS Venkatachalam, MD, Wizaad System, Coimbatore, was the resource person. Dr P Natarajan, Principal/PEC, Dr M Umadevi, HoD/ECE, the Faculty members and about 98 participants attended. Shri L Punith, IV year student/ECE welcomed all. Ms S Gayathri, ASP/ECE introduced the resource person. The **ISF** conducted another symposium on “ECCLESIA – 2K18” on **Aug 25, 2018**. Dr K Umopathy, SCSVMV University, Kanchipuram, was the Chief Guest. 120 students participated. 12 Teams presented papers on various topics. Ms V Dhaneesha, Final Year/ECE welcomed all. Ms S Gayathri introduced the speaker and Prof (Dr) P Natarajan, honoured him. Dr M Umadevi, HoD/ECE was also present. A one-day seminar on PCB Design and Embedded System “Technology Enabled Solutions for Off-Highway Machines” was held on **Sep 26, 2018** with Shri S Prabhu, Manager, Electronics Design Center, Schnell Technologies, Chennai, as the resource person. Vote of thanks was proposed by Shri R Selvarasan, Assoc Prof/ECE.

- **ISF at Dept of ECE, SRM Institute of Science and Technology, Ramapuram, Chennai**, conducted “Tech War” on **Jul 25, 2018**. Shri Manoj Kumar, co-ordinator welcomed the participants and gave a small introduction about the Tech War & its rules. The importance of the machine learning and AI was explained. Another workshop on “Machine Learning and Artificial Intelligence” was organized on **Jul 25, 2018**. Shri Haider Ali Beg, Machine Learning Developer, CTC was the Chief Guest. Dr Phani Kumar Polasi, HoD/ECE felicitating the Chief Guest, gave a small introduction about the machine learning and its applications. He also briefed on AI and its developing technologies. Another event was held during **Jul 28-29, 2018** on IOT and Android Development, conducted by Shri Shrikant Padhen and Shri Manohar Shinde.

- **ISF at Vidyalkar Institute of Technology (VIT), Mumbai**, this semester opened up a STTP, conducted for faculties on “Simulation Software” and covered softwares like- IE3D, EM simulator for RF & Microwave, Modelling & parameter optimization by Optisim & LTSpice. For students a workshop on Printed Antennas was conducted on **Jul 28, Aug 4 & 25, 2018**. About 50 students learnt the basics of printed antennas, designed & simulated on IE3D software & finally fabricated them and tested their product. A webinar was conducted on RTL Design and Functional Verification by Maven Silicon on **Aug 24, 2018**. The speaker, Shri Sivakumar, founder & CEO of Maven Silicon Technologies gave an overall view about IC manufacturing & processes involved in VLSI. They also provided 2 free passes for participants to take their one month VLSI Design methodologies course. Another workshop on PCB Designing was organized on

Sep 8, 22 & 29, 2018, by Dr Sanjay Singh Thakur & Prof Mayur Kumar Nanda, to teach specifically the students how to do PCB fabrication and design circuits manually without use of any CAD software. Around 30 students participated. Other two workshops also conducted on KiCadSoftware by Prof Mayur Kumar Nanda and on Freedom Free Scale development Platform by Prof Mohit Gujar on **Sep 1 & 29, 2018** respectively. Overall this semester, this ISF provided students interesting events which everybody enjoyed.

- **ISF at Jawaharlal Darda Institute of Engineering and Technology (JDIET), Yavatmal**, organized an expert lecture by Shri M S Dhumale, Sr Instructor, Jet Airways(I) Ltd, Mumbai, on “Avenues in Aviation section” in association with IETE Yavatmal Sub-Centre on **Jul 30, 2018**. Additional expert lectures organized were by Shri Pranav Mehar, Prolific Systems & Technology Pvt Ltd, Nagpur on “Industrial Automation” on **Aug 2, 2018**; “Programmable Logic Controller” by Shri Samir Chaware, Prolific Systems & Technology Pvt Ltd, Nagpur on **Sep 7, 2018** and on “Satellite Communication” by Shri Kishor Kumar Jagtap on **Oct 5, 2018**.

- **ISF at Mepco Schlenk Engineering College Campus, Sivakasi**, conducted a workshop on “ROBO 2.0” on **Aug 7, 2018**. A number of technical quiz competitions were held respectively on **Jul 6, 24; Aug 3, 9 & 28 2018 & Sep 6, 2018**.

- A number of activities were organized by **ISF** at Dept of CSE, **Chandigarh Group of Colleges (CGC COE), Landran, Mohali**, these past months, which were inaugurated by S Satnam Singh Sandhu, Chairman/CGC; S Rashpal Singh Dhaliwal, President/CGC and Dr Rajdeep Singh, Dir Principal/CGC CoE. On **Aug 10, 2018**, a “Networking Workshop” was organized, wherein Dr Manish Mahajan welcomed the gathering. Dr Rajdeep Singh gave welcome speech. Shri Pankaj Palta & Shri Dishant Khosla, Faculty Coordinators, introduced briefed about the profiles of the resource person. The event was conducted to motivate the students about the Networking field and its tools. Shri Prabhjot Singh Bal, NIIT, Patiala, covered networking concepts. Vote of thanks was proposed by Dr Manish Mahajan. Another one-day workshop on “Network Cloud Management Workshop” under this banner of IETE Chandigarh Centre was organized on **Aug 23, 2018** with the sole purpose of teaching & providing hands-on experience to the learners on different networking tools. Dr Rajdeep Singh, Dir & Principal CGC COE gave the inaugural speech. Shri Pankaj Palta & Shri Dishant Khosla were Faculty Coordinators. The expert Shri Rajeev Kumar Prashar, IT Head Manager, A2IT Pvt Ltd, Mohali, in his lecture covered networking concept starting from basics with the practical implementation using different networking tools. Dr Manish Mahajan, HoD/CSE presented vote of thanks.

- **ISF at Dhanalakshmi Srinivasan Engineering College, Perambalur (TN)**, organized programmes for students by arranging quiz, circuit debugging, Pixelate, Catron fest on **Aug 11 & 25, 2018** and also one-day GATE awareness program. As an outcome more number of students participated actively. Faculty

enrichment programme was also organized.

- **ISF at Kuppam Engineering College (KEC), Kuppam**, was inaugurated on **Aug 17, 2018** by Shri C Satyanandan, Hony Secy Bangalore Centre. Prof C Murali Past Chairman & former Governing Council member was the Guest of Honour on the occasion. He delivered a technical talk on 5G and beyond. Shri C C Satyanandan, Hony Secy, IETE Bangalore Centre, enumerated IETE activities to the audience. Vote of thanks was proposed by Dr K Rasadurai, KEC faculty in charge.
- **ISF at EGS Pillay Engineering College, (EGSPEC), Nagapattinam (TN)** conducted IETE sponsored one-day seminar on “Job Opportunities in Electronics Sectors” on **Aug 18, 2018**. Shri D Devarajan, AP/ECE & coordinator, welcomed the gathering. Dr B Padmanaban, HoD/EGSPEC delivered the keynote address. Dr S Ramabalan, Principal/EGSPEC delivered inaugural address while the Chief Guest, Ms P Manimuthu, Design Engineer, Indus Technist Data Pattern, Chennai, shared successful interview skills needed for a job, the expectations of electronics job market and a video of her company showing working culture. Shri L Ramachandran, AP/ECE proposed the vote of thanks.
- **ISF at Dept of ECE, Anil Neerukonda Institute of Technology and Sciences (ANITS), Visakhapatnam (AP)**, ANITS Communication Engineers Society (ACES) & ANITS IEEE student branch jointly organized a general quiz in collaboration with the Triumphant Institute of Management Education (TIME) Visakhapatnam, on the topic “INQUIZITIVE” on **Aug 18, 2018**. It was for all the branches of BTech students. Prizes were distributed by the HoD ECE, Dr V Rajya Lakshmi and Shri N Gautam. Shri B Chandra Mouli, & Shri S Balarama Murthy, both IETE Coordinators and the student coordinators-Ms M Sajida Taj-/IV-BTech/ECE, Ms M Sindhuja - /IV-BTech/ECE & Ms S Aparanjini- /IV-BTech/ECE were also present. The **ISF** organized a guest lecture on “Latest Trends in Digital Communications including Forward Error Correction Techniques” on **Sep 8, 2018**, delivered by Dr R K Goswami, FIETE, Commodore, Indian Navy. The talk included the topics of inter symbol interference, entropy, digital modulation techniques, channel capacity theorems and OFDM techniques.
- **ISF at Dept of ECE, Valliammai Engineering College, Chennai**, conducted a workshop on ‘Machine Learning and Internet of Things’ on **Aug 20, 2018**, by Shri P Raja, Sr Embedded Engineer, Pantech Solutions, Chennai. He started his session with the explanation and need for machine learning concepts. He deliberated on the artificial intelligence and deep learning networks and IoT & hardware architecture of Raspberry Pi. Students had hands on experience on Raspberry Pi. Another expert lecture was conducted on ‘Importance of EMI in Electronic System Design’ on **Sep 7, 2018** by Dr S Ramprabhu, Assoc Prof/ECE, SSN College of Engineering. The Talk explained effects of EMI with real time examples. The seminar was successfully completed with guidance of Dr Komala James Head/ECE and vote of thanks was proposed

by Mrs K Sobana, AP/ECE. A “Mini Project Expo 2K18” was conducted by the **ISF** at Dept of ECE on **Sep 19, 2018**, convened by Dr Komala James. The event coordinators were Dr N Usha Bhanu, Assoc Prof and Ms R Birundha, AP/ECE. Projects were reviewed by Dr R Karthik, Assoc Prof/EEE and Dr Komala James.

- A new session was inaugurated at **ISF** unit of **Jaipur Engineering College & Research Centre (JECRC), Jaipur** on **Aug 20, 2018** by Dr Sandeep Vyas, Assoc Prof/JECRC. The esteemed personalities present were: Shri Dharm Pal, Vice Chairman, Dr Dinesh Yadav, Hony Secy of IETE Jaipur Centre; Capt Deepak Gupta, Dy Dir, Petroleum Conservation Research Association, Jaipur; Dr Vinay Kumar Chandana, Principal, JECRC Foundation; Dr Anurakt Williamson, Registrar, JECRC Foundation; Dr Sandeep Vyas, HoD/EE; Dr Lokesh Bansal, HoD/ECE; Dr M P Singh, HoD/ME; Dr Bhavna Sharma, HoD/CSE; Shri Sunil Kumar Jangir, HoD, IT and Mrs Monika Sharma, HoD, Civil Engg. Vote of Thanks for inaugural function was proposed by Dr Sandeep Vyas. This was followed by seminar on Renewable Energy. The Guest of honour was Shri Reetesh Kocheeta, Technical Expert at PCRA, Jaipur. A paper presentation competition was also organized. Shri Kocheeta elucidated scope and innovation in renewable energy, discussed the concept of “Akshay Urjaa Diwas” on renewable energy day. The ISF also organized a one-day industrial expert talk on different types of Motor Starters on **Aug 29, 2018**. The inaugural session was presided over by Dr Sandeep Vyas, HoD/EE & Faculty Advisor ISF, JECRC; Shri Atul Kulshrestha, AP/EE; Shri Shailendra Shrivastava, AP/EE; and Shri Sunil Kumar Sharma, AP/EE, JECRC, Jaipur. Experts from Industry were: (i) Shri Subash Gaipal, MREC, Jaipur (ii) Shri Kartavayay Jain, Seldom India, a subsidiary of MOGU Engineers. Dr Sandeep Vyas expressed hope that the students would continue deliberating the issues in future at appropriate forum for a meaningful technical education. The event coordinator Shri Atul Kulshrestha thanked all the dignitaries. A one-day workshop was also conducted on “PLC–SCADA and Industrial Automation” on the occasion of Engineer’s Day in association with Techienest Pvt Ltd, Jaipur on **Sep 15, 2018**. Dignitaries present were: Dr Sandeep Vyas, Shri Amit Singh, Shri Vaibhav Gupta, Shri Narendra Jangir, and Ms Parul Laddha, Automation Engineers from Techienest Pvt Ltd. Dr Vyas called this type of industrial workshops to be beneficial for giving directions and preparing future Technocrats in accordance with present scenario. Experts from Techienest Pvt Ltd explained the meaning and basics of PLC-SCADA and also discussed about use of Automation Technology in Industries.
- **ISF at Dept of ECE, K Ramakrishnan College of Engineering, Tiruchirapalli**, in association with Electro Ethnarch organized a three-day “Entrepreneurship Awareness Program” on **Aug 20-22, 2018**. Dr N Manimekalai, Dir & Prof, Dept of Women Studies, Bharathidasan University, Tiruchirapalli, delivered a lecture on “Entrepreneurship”. Dr D Srinivasan, Principal felicitated the participants. The program was arranged by Dr M Maheswari, Prof/ECE Dept and was co-ordinated by Shri Vigneshwaran, AP/ECE & Ms Rajapriya, AP/ECE. Mrs B





Murugeswari, Head/ECE organized the programme. The **ISF** also inaugurated a new session by the hands of Chief Guest, Shri T Jayanandan, Founder CEO, Tesla Minds, Chennai, on **Sep 29, 2018** in the presence of the Dr S Suganthi, HoD/ECE; Shri S Prasad Jones Christydass, AHOD/ECE; Shri S Syedakbar, ISF Coordinator and ISF Student President Shri Sivashankar, final year ECE. An MoU also signed with Tesla Minds, Chennai. Chief Guest Shri T Jayanandan gave his address on the Job opportunities available in RF Design.

- **ISF at Thakur College of Engineering and Technology (TCET), Mumbai**, conducted a seminar on “Internet of Things (IoT)” on **Aug 24, 2018** under the guidance of Dr Sandhya Save. The faculties were- Mrs Archana B, Shri Sunil K, Shri Sumit K and the student co-ordinators were Ashwini B and Ms Akshata P. Speakers explained about the scope of IoT and introduced about the trends in electronics engineering viz., ‘Embedded’ and ‘VLSI’. They explained about number of projects such as Garbage collector Robot, Robotic Arm, Blind Man’s Stick, Password Protected Box, Electricity Generator, Weather Station etc.

- **ISF at Sri Ramakrishna Institute of Technology (SRIT), Coimbatore (TN)**, organized a guest lecture for ECE students on **Aug 24, 2018**. Dr H Mangalam, HoD/ECE welcomed the gathering. Dr A N Jayanthi, ISF Coordinator introduced the Chief Guest Dr A Saravanakumaran, Dir and Centre Head, GATE Forum and RADIAN IAS Academy, who delivered a lecture on general awareness on GATE and IES. Ms Vishnupriya, Final year ECE student proposed the vote of thanks. A “PROJECT EXPO” was conducted on **Sep 28, 2018** for students of ECE, EEE, Mech and IT branches, coordinated by Dr A N Jayanthi, ISF Coordinator, SRIT and Ms AK Kavitha, AP/ECE and the student coordinators Ms S Vishnupriya, Secy, ISF and Ms Vysali R M, Exec member, ISF. Dr S Anila, Assoc Professor/ECE, Dr D Binu, AP/ECE and Mr S Munaf, AP/ECE adjudged the programme.

- **ISF at Dept of ECE, Saveetha Engineering College, Chennai**, initiated new session on **Aug 24, 2018** with new members from II Year ECE followed by Mini Project Display Contest. The program was inaugurated by Chief Guest Ms Ambal Saravanan, HR Director, Global Consumer Banking Intellect Design Arena Ltd., in the presence of Dr R Ramesh, Principal, Dr R Senthil Kumar, Vice Principal, Prof A Gandhi, Dean- III, Dr C Sheeba Joice, Prof & Dy Head/ECE, Dr M Selvi, Prof/ECE Dept & Hony Secy, Chennai Centre. Dr C Sheeba Joice welcomed the participants. Dr M Selvi gave an introduction about IETE and benefits of its membership. Dr R Ramesh spoke about the theme “Make in India” and insisted the students to focus on hardware projects. Dr R Senthil Kumar appreciated the ECE Dept for conducting the event successfully every year and motivated the students to excel. Prof Gandhi ignited the students to work on projects based on “Recycling Plastics” which is the need of the hour. He also told the importance of doing projects which will help them to grab opportunities in placements in their near future. The dignitaries were shown the Glimpse of mini Project Contest

2018. Ms K Padma Priya introduced the Chief Guest of the Day Ms Ambal Saravanan, HR Dir, Global Consumer Banking Intellect Design Arena Ltd, who explained how Croatia foot ball team work led them win the world cup, and about Dr APJ Abdul Kalam’s hard work and efforts, which made him the President of India. She emphasized on hard work, persistence and untiring efforts to be put in the work. The **ISF** also organized a one-day workshop based on PCB designing on **Sep 10, 2018**. The workshop included hands-on sessions on PCB Printing, Etching and Building of Mobile Charger and LED Blinker. Dr M Selvi, Prof/ECE, Shri S Karunakaran, AP/ECE were present.

- **ISF at Dept of ETE, the All India Shri Shivaji Memorial Society’s Institute of Information Technology, (IIT) Pune**, conducted a technical talk on **Aug 27, 2018**, by Shri Nandan Kharade, Dir, Abacus Tektronix Pvt. Ltd, RNA Automations Pvt. Ltd on “Embedded System and its Applications”. Chairman Pune Centre, Shri Kishor Shende and Hony Secy, Dr R D Kharadkar were present.

- **ISF at Dept of ET, Gandhi Institute Engineering & Technology (GIET), Bhubaneswar**, was inaugurated on **Aug 29, 2018**. Shri A K Pahi, Vice Chairman, IETE Bhubaneswar, graced the event as the Chief Guest. Shri D K Behera, GM, BSNL & Shri S K Brahma, Coordinator, IETE Bhubaneswar, expressed their views on the occasion. Prof M K Panda, Principal/GIET welcomed the ISF members & advised the staff & students to join IETE. Vote of thanks was proposed by Prof Madhulita Mohapatra, ISF coordinator.

- A new **ISF at ECE Dept, Chandigarh Group of College (CGC), Technical Campus, Jhanjeri, Mohali (Punjab)** was inaugurated on **Aug 29, 2018** by Dr (Prof) Sushil K Kaura, Chairman, IETE Chandigarh Centre. He gave a detailed presentation about IETE, its activities, membership plans, technical programmes, publications, Awards etc. to ISF students, staff & management of CGC. Shri Subhash C Jain, Hony Secy, IETE Chandigarh Centre was the Guest of Honour and also delivered a technical lecture on “Optical Fiber- An important tool in telecommunication”. Shri RS Dhaliwal, President, CGC thanked the IETE Chandigarh Centre for opening a new ISF. Dr GD Bansal, DG, CGC, stressed on the fact that CGC Jhanjeri lays full emphasis on polishing & imparting benefits of IETE to students. Dr Rajneesh Talwar, Principal, congratulated ECE dept on starting of the ISF Chapter and said that adding such technical societies would be extremely useful to the students. About 35 students were enrolled in this ISF. Shri Ram Prasad Pokhrel, III year/ECE was nominated as Chairman and Shri Prince Kumar, II year/ECE as Hony Secretary. Dr Sajjan Singh, HoD/ECE & Co-ordinator, ISF thanked the Chairman & Hony Secretary IETE Chandigarh Centre for opening of ISF at CEC Dept/CGC Technical Campus, Jhanjeri.

- **ISF at Dept of ET, Annasaheb Dange College of Engineering and Technology (ADCET), Ashta, Sangli (MS)**, was inaugurated with 78 founder student members on **Aug 31, 2018**. Shri Kishor R Shende, Chairman, Pune was the Chief Guest

and Dr R D Kharadkar, Hony Secy, Pune Centre and Prof S K Khedkar (Mentor Western Zone) were Guests of Honour. Dr MM Awati, Dir, ADCET presided over the function. Mrs SS Shinde HoD/E&TC, Dr ND Sangle (Academic Dean), Dr LY Waghmode (Admin Dean), ADCET were also present and gave an introductory address about professional societies and their importance. Dr Kharadkar delivered a talk on the topic “Renewable Energy”.

- **ISF at Dept of E&TC, Karmaveer Adv Baburao Ganpatrao Thakare College of Engineering, Nashik**, arranged for an expert session on latest technology “Giga Fiber to Home” on **Sep 4, 2018**, delivered by Shri Atul Gondhalekar, Sr Manager, Reliance JIO InfoCom and Shri Santosh Pote. It was coordinated by Shri B N Shinde. On the occasion of Teachers Day, the **ISF** organized an expert session on “Human Behaviour: Emotion Quotient” on **Sep 5, 2018**, delivered by Ms Monalisa Jain. For E&TC students, coordinated by Shri B N Shinde.

- **ISF at Dept of ET, Bharati Vidyapeeth Deemed University College of Engineering (BVDCOE) Pune**, organized a poster presentation on **Sep 5, 2018** in association with Pune Centre. Shri Kishor R Shende, Chairman, IETE Pune Centre was Chief Guest and judge. HoD and faculty E&TC Dept assisted him. He explained the importance of research and role of posters in educational programs. 1st prize went to Priyanshi Srivastav from BVDCOE and 2nd prize was bagged by Mayur B Chettiar from Fine Arts College.

- Teacher’s day was celebrated by the **ISF** at Dept of ET, **K K Wagh Institute of Engineering Education and Research (KKWIEE&R), Nashik** in collaboration with IETE Nashik Sub-Centre on **Sep 7, 2018**. The session was marked by the presence of Prof (Dr) D M Chandwadkar, Chairman, IETE Nashik Sub-Center

& HoD/E&TC, KKWIEER and all staff members of E&TC dept. It was planned under the guidance of Prof (Mrs) Rupali Chothe. Students gave speeches thanking teachers for their sincerest efforts in playing a catalytic role in their holistic development. The **ISF** also conducted an expert talk on “Digital Logic Families” for E&TC students on **Sep 8, 2018** by Shri Uday T Karlekar. Ms Vanshika proposed vote of thanks. To underline the importance of automation to engineering students, another expert lecture was by the **ISF** on **Sep 17, 2018** by Prof (Dr) PJ Pawar, HoD Production, KKWIEER, who spoke on ‘Automation using Hydraulic System: A Practical Case Study’. Prof (Dr) DM Chandwadkar, Chairman, Nashik Sub-Center was also present. The **ISF** also conducted the E-Ganesha Competition in collaboration with Nashik Sub-Centre on **Sep 24, 2018**, inaugurated by Dr DM Chandwadkar, HoD, E&TC. The competition was judged by Ms Poonam Deshmukh & Ms Deepali Gangurde, Emerson Nashik.

- **ISF at Dept of ETE, Goa College of Engineering (GEC), Farmagudi, Goa**, organized a two-day workshop on “HTML, CSS and Java Script” on **Sep 8-9, 2018** in association with IETE, Goa Sub-Centre. Ms Gauri Desai, CEO, Thoughtslate IT Services Pvt Ltd, Ponda, was the resource person. The participants were given hands on experience on HTML, CSS and Java Script. Dr HG Virani, Prof & Head/ETC and Chairman, IETE Goa Sub-Centre; Shri Sangam Borkar, AP/ETC/GEC and Mr Mehaboob Mujawar, Faculty/ETC/GEC organized the workshop.

- **ISF at VIVA Institute of Technology, Thane (MS)**, conducted a two day workshop on “Ethical Hacking and Cyber Security” by SIDR Solutions and Technologies Pvt Ltd on **Sep 10, 2018**. Shri Aditya Mathur, Director Cyber Security, SIDR Solutions and Technologies Pvt Ltd, spoke on talked on hacking

OBITUARY

IETE fraternity conveys heartfelt condolences to the families of the following IETE stalwarts on their sad demise.



Brig K Balasubramaniam (F-009297), Signals veteran of 3rd Course IMA, passed away on 10th Nov 2018 at Bangalore. As a Lieutenant Colonel, he commanded Army HQ Sig Regiment and was later engaged in Indian Telephone Industries from where he retired as an Executive Director. He held charge of ITI Mankapur and Naini Units. On retirement from ITI, he became founder Managing Director of Tata Telecom and served as Director of some Tata companies. He was an active member of IETE and served a tenure as Vice President. A great philanthropist, he was a founder member of the NGO: Senior Citizens Bangalore and worked tirelessly for the welfare of children from underprivileged sections of society. He was a very active and senior member of IETE Governing Council and had a very long association with IETE Bangalore Centre. He is survived by his twin children: Maj (Retd) Murali Balasubramaniam and Ms Ranjana Iyer. IETE parivaar prays that Almighty grant much strength to the bereaved family to bear this irreparable loss.



Prof Anand Kumar Sachdeva (DF-003602), former Emeritus Professor at IISc Bangalore and Chairman EC Dept IISc Bangalore; Distinguished Fellow of IETE, passed away on 20th November 2018 in Panipat, at the age of 83 years. During his course of nearly 40 years at IISc Bangalore, he was actively engaged in R&D, teaching and consultancy work in Microwave and Engineering. He was an exponent in the field of antennas & electromagnetic and applications. He guided large numbers of PhD and M. Tech scholars. He played a key role in formulating and introducing the new Integrated ME programme at the IISc, Bangalore. He authored many books & published a large number of research papers in various foreign and Indian Journals. He was the member of several boards/ committees at various several Universities and Institutions. Prof Kumar had been the Vice President of IETE for many terms and served in the Governing Council. He served IETE Bangalore Centre actively during 1970s and made significant contributions to the growth of the Centre. He played key role in the Centre’s acquiring its own building. He made important improvements in the conduct of IETE examinations. As the Chairman of the Academic & Distance Education Committee, he had initiated re-writing of the AMIETE, Dip IETE syllabi in detailed manner. IETE had also bestowed Golden Jubilee Special Award for his contributions to the profession and the IETE. He played a stellar role in initiating an innovative and unique continuing education programme, called “Proficiency”, of evening lecture courses. Prof Kumar will always be remembered for his valuable contributions to the Institution and to the profession.

concepts, scanning techniques which use NMAP, ICMP & UDP Scanning. He described and gave glimpse to password cracking limitations and password cracking tools. Shri Ramesh Mohite, Former Police Officer elaborated on Cyber Crimes and Cyber Laws, he also shared the career opportunities as a Security Analyst.

- **ISF at Dept of ECE, Narayana Engineering College, Nellore**, organized a three-day workshop on “Embedded Systems” during **Sep 10-12, 2018**. It was sponsored by Andhra Pradesh State Skill Development Corporation (*APSSDC*), Amaravati AP with SME. Shri Uma Maheswara Rao M and Shri Kalyan Kumar D, conducted the workshop. The **ISF** also conducted a guest lecture on “Microelectronic Mechanical Systems” on **Oct 25, 2018**, delivered by Dr Saikrishna Santhosh, KLU University. “National Broadcasting Day” was celebrated on **Nov 12, 2018** to appreciate the importance of public broadcasting in the country. It was chaired by Dr Shaik Shafee, JTO, BSNL, who in his address emphasized the importance of broadcasting services of the country and its significance to the country and its people.

- **ISF at Mauli Group of Institutions, College of Engineering & Technology, Shegaon**, under Amravati Centre, organized one-day workshop on “Voice/Gesture Controlled Robot” on **Sep 11, 2018**. Shri Mangesh D Bharati MD, MDB Electrosoft, Amravati, the resource person conducted a workshop on ‘Robotics’. The workshop was inaugurated by Dr CM Jadhao, Principal, Mauli College of Engg & Technology and EC Member, Amravati Centre. Prof NB Bhavarkar, ISF Coordinator and ISF Managing Committee took the efforts for organizing this workshop.

- **ISF at Dept of ECE, SSM Institute of Engineering and Technology (SSMIET), Dindigul (TN)**, organized a technical symposium on Resnovae 2K18 on **Sep 15, 2018**. Shri Premkumar Anaikutty, Sr Associate, Visteon Electronics India Pvt Ltd, Chennai, was invited as the Chief Guest.. Dr S Karthigai Lakshmi, HoD/ECE welcomed the participants. Felicitation was given by Dr M Saravanan, Principal; Dr R Chandran, Campus Director gave presidential address. The Chief Guest deliberated many ideas regarding placement. Dr S Karthigai Lakshmi, Dr M Saravanan, Dr R Chandran, Dr C Sujatha, AsP/ECE, distributed the cash prizes and certificates to the winners and participants. Event summary was given by Shri M Manikandan, AP/ECE - ISF Coordinator. Vote of thanks was proposed by Shri VP Jay Fantin, AP/ECE.

- **ISF at Dept of ECE, SR Engineering College (SREC), Warangal**, conducted a one-day workshop on “Industrial View Points of Analog Communications”, by Shri Dasari Raju, Sub Divisional Engineer, BSNL Mobile Services, Hanamkonda on **Sep 19, 2018**. The workshop was sponsored by Warangal Centre.

- **ISF at ATME College of Engineering, Mysuru**, organized a five-day workshop on LabVIEW during **Sep 19-23, 2018**, in association with NI LabVIEW Academy, SJBIT, Bengaluru, sponsored by IETE, Mysore Centre. The workshop was coordinated by Dr Mahesh P K, HoD/ECE; Conveners- Mrs Pavithra A C and Shri Girish M; Co-Conveners- Mrs Harshitha N and Shri Manjunath K, AP/ECE, ATME with Dr L Basavaraj,

Principal, ATME College of Engineering, Mysuru as organizing chair. The workshop mainly focused on LABVIEW, which is a graphical programming environment used to develop sophisticated measurement, test and control systems. Dr Ravikumar A V, Chief coordinator, in his address informed the credentials of their academy. Dr L Basavaraj in his presidential speech advised students to take part in more and more of such workshops during their course and make their resumes stronger to increase their chances of success in their job interviews. About 112 students participated. The **ISF** also organized a two-day workshop on Mobile Making and IOT in association with ITC – IIT, Mumbai. It was conducted by Dr Mahesh P K, HoD/ECE, Staff coordinators-Dr Yathisha L and Shri Girish M; Student coordinators- Shivakumar J Ganji and Dhanush M M. The workshop mainly focused on Mobile PCB board making and testing. Later the Internet of Things concepts were taught with hardware kit given to each group to do interfacing the peripherals to the Arduino board. Shri Rohan, Design Engineer, Indian Tech Group, IIT Mumbai during the inauguration speech told that he had conducted 13th workshops in many engg colleges across the country by choosing Nodal Centers. From each nodal centre, a team would be selected for grand finale which would be held in April at IIT Mumbai. Winners of that finale will be getting attractive cash prize of upto 5 Lakhs with free accommodation and travel allowance.. During the workshop session, Dept of EC was awarded a cash prize of Rs. 2000 to the best two students as Best performers of the workshop to encourage analytical skills of the students in the future endeavors. About 70 students from ATME College of Engg, Mysuru; Dr AIT, Acharya College of Engineering, East West Institute of Technology, Alvas College for PG studies, MIT Tandavapura, MIT, GSSSIETW and GMT participated.

- **ISF at Dept of ECE, Velalar College of Engineering and Technology (VCET), Erode** conducted IETE sponsored workshop on “Smart Mobile Phone Technology, Maintenance and Servicing” on **Sep 25-26, 2018** for II year ECE students and they were trained to service mobiles. Dr M Jayaraman, Principal/VCET and Dr L Peter Stanley Bebington, Dean (Academic)/VCET felicitated the workshop. The Dean (student affairs) of VCET Prof P Jayachandar addressed the gathering. The Controller of Examination, Dr K R Valluvan gave his address on the importance of mobile phone technology and Dr K Venkatachalam, HoD, delivered the keynote address. The workshop was organized by Shri K Senthil Prakash, ASP, Shri S Mahendra Kumar/AP, Shri P Senthil Kumar/AP.

- **ISF at Kongunadu College of Engineering and Technology (KCET), Namakkal (TN)** organized a guest lecture on “Recent Trends in Mobile Communication” on **Sep 20, 2018**. Dr PSK R Periyasamy, Chairman, Kongunadu Institutions, presided over the function. Ms Aishwarya R, gave delivered the welcome address. Dr J Yogapriya, Dean R&D, felicitated the occasion through his address. Dr R Asokan, Principal, talked about the growth of mobile communication. Resource person, Shri V Anbalagan, JTO, Salem handled the session. Vote of thanks was proposed by Ms Tharani P.

- **ISF** at Dept of ECE, **Narayana Engineering College, Gudur**, conducted a seminar on “Radar & Applications” in Association with IETE Tirupati Centre on **Sep 29, 2018** for IV year BTech/ECE students. Shri A Vaidhyathan, Scientist/Engineer-SF, SDSC SHAR, Sriharikota, an EC member, IETE Tirupati Centre was the resource person.
- **ISF** at Dept of E&TE, SES’S **SCOE, Kharghar, Navi Mumbai (MS)**, organized a one-day workshop on “PCB Making Workshop” on **Oct 1, 2018**. Prof Sheetal Bukkavar, HOD/EXTC, in her address pointed out that the workshop could be utilized to take creative projects in the field of PCB based projects. Faculty in-charge Prof Pallavi Kharat coordinated the workshop. Valedictory function was handled by Ms Sandhya Gupta, while vote of thanks was proposed by Shri Vinay Revankar. The **ISF** also organized another three-day workshop on “Programming in Arduino” on **Aug 1, 2 & 8 2018**. Prof Sheetal Bukkavar, HoD/EXTC, again advised the students to utilize the workshop by taking up creative projects in the field of Arduino. Faculty in-charge Prof Nilesh B B Patil coordinated the workshop. Valedictory function was handled by Ms Sandhya Gupta and vote of thanks was proposed by Shri Vinay Revankar.
- **ISF** unit at Dept of ECE, **Punjabi University Patiala, Patiala**, organized one-day internship drive for B Tech-IV Year students on **Oct 5, 2018**. Shri Kapil Bhutani, Technical Director, Telcocrats Technology Pvt Ltd, Mohali, selected the students through written test, group discussion and interview. Dr Manjit Singh Bhamrah, HoD/ECE, motivated the students vide his address. Dr Reecha Sharma and Dr Lovkesh from ECE dept were the co-ordinators.
- The annual conclave at **ISF of Gandhi Engineering College (GEC), Bhubaneswar**, was organized on **Oct 8, 2018**. Er Satyananda Naik, CGM, BSNL, Centre Chairman and Shri Avinna Kumar Pahi, GM, BSNL were the Chief Guest and Guest of Honour respectively. The program was inaugurated by the Vice-Chairman, GEC -Er Manas Ranjan Panda. Dr Ratiranjana Sabat, Principal/GEC, delivered the welcome address. Shri S K Brahma, co-ordinator also joined as was Guest of Honour and discussed IETE activities. Dr Pravash Ranjan Tripathy, HoD/ECE, presented the annual report. Department’s annual technical magazine “ELECTROCAZIONE” was inaugurated by all the dignitaries. Shri Vikash Ranja, AP/ECE extended vote of thanks.
- **ISF** at **Siddharth Institute of Engineering & Technology (SIETK), Puttur**, organized an expert lecture on “Applied Electromagnetics” on **Oct 11, 2018**. Dr Y Venkata Narayana, Principal & Prof/ECE, Tirumala Engineering College, Narasaraopet, was the Guest speaker. Dr Narayana addressed the students on the importance of electromagnetics. Dr M Janardhan Raju, HoD/ECE, Dr P Ratna Kamala, Convener & Professor of ECE and faculty members and student members attended.
- **ISF** at EC Dept, **Narula Institute of Technology (NIT), Kolkata**, organized a workshop on “Stratosphere Communication” on **Oct 12, 2018** in association with IETE Kolkata Centre, which was inaugurated by Prof (Dr) Saradindu Panda, HoD/ECE. Notable personalities on the occasion were: Prof (Dr) JK Mandal, Kalyani University and Hony Secretary, IETE Kolkata; Prof (Dr) M R Kanjilal, Principal/NIT; Mrs Nidhi Singh, Registrar/NIT and Prof S K Sanyal, Former Prof, Jadavpur University, Kolkata. Prof (Dr) J K Mandal delivered his keynote address on Wireless Network based on high altitude platforms for integrated navigation/communication service termed as “Stratosphere Communications”.
- **ISF** unit at Dept of E&CE and TE, **GSSS Institute of Engineering & Technology for Women (GSSSIETW), Mysuru**, organized a two-day workshop on “Embedded Systems and IoT” in association with Loginware Softecs Pvt Ltd, Hassan on **Oct 26-27, 2018**. The workshop was inaugurated by the resource person- Shri Thejesh P, Technical Manager, Loginware Softecs Pvt Ltd, Hassan; Dr M Shivakumar, Principal; Dr Rajendra R Patil, Prof & HoD/ECE; Dr Parameshachari BD, Prof & HoD/TCE. All the staff members and students of 7th semester ECE and TCE were present. The **ISF** and IEEE Student Branch jointly organized a one-day tutorial on “Introduction to VLSI Design - An Industry Perspective” by Dr CP Ravikumar, Dir, Technical Talent Development at Texas Instruments, Bengaluru and Adjunct Faculty at IIT Madras (former Professor, IIT, Delhi). Eminent personalities present were : Dr M Shivakumar, Principal, GSSSIETW, Mysuru; Dr M V Sathyanarayana, Prof & Head/ECE; Dr Parameshachari B D, Prof & Head/TCE; Dr Rajendra R Patil, Prof/ECE, Faculty members and sixth sem ECE and TCE students were present.
- **ISF** unit of Dept of ECE, **Vaagdevi Engineering College, Bollikunta, Warangal, Telangana**, was inaugurated on **Oct 31, 2018** by Prof A Ravi Kumar, Chairman IETE Hyderabad Centre. Other dignitaries present at the inaugural function included: Dr J Tarun, Hony Treasurer IETE Warangal Centre; Shri B Devaiah, IETE R&D project coordinator; Dr P Prasad Rao, Principal; Shri Ch Devender Reddy, Secretary & Correspondent; Shri C Satyapal Reddy, Chief Administrative Officer; Dr A Chandramouli, Dean, IIC; Dr K Somireddy, Dean H&S; Dr K Kumar, HoD/ECE and Shri D Ranjith, ISF coordinator.
- **ISF** at **Govt Polytechnic College (GPTC), Palakkad**, was inaugurated by Shri C K Haridas, Founder Chairman, Palakkad Centre & Governing Council member, IETE on **Nov 21, 2018**. Shri M Chandra Kumar, Principal/GPTC, presided. The welcome address was delivered by Shri B Suresh Kumar, Hony Treasurer, IETE Palakkad Centre & Lecturer/Electronics Dept and ISF staff coordinator. Notables present were Shri P Babu, former Hony Secretary, IETE Centre Palakkad and (Retd) HoD/GPTC, Palakkad; Smt C K Bindu, HoD/Electronics Dept; Shri P Suresh Babu, HoD/Instrumentation Engg; Shri A V Praveen Kumar, HoD/ Mech Engg. Shri A Abishek, ISF Chairman, proposed the vote of thanks.

Invitation to Authors for Article Submission in Journal of Education

IETE Journal of Education is a leading journal that publishes topics and issues related to electronics & computer engineering education which are of general interest to diploma and undergraduate students, research Scholars and teachers. Subjects covered by the journal include: Electrical & Electronic Engineering; Communications & Information Processing; Telecommunications; Computer & Software Engineering; Systems & Control Engineering; Engineering & Technology; Engineering Education.

Though this journal has seen tremendous growth and several changes in the manner it is administered and published in the recent past but IETE aims for ranking and categorizing of this journal.

To encourage and motivate the authors to present their intellectual contributions & quality submissions in this journal, IETE will pay a token **honorarium of Rs 1000/- to the first Author** or the corresponding Author for the selected articles. Kindly contribute an article and spread this information among your peers and students for wider benefits.

The proposal will come into force **with effect from 1st Jan 2019**.

Please submit your article via <https://mc.manuscriptcentral.com/tije> Our online submission system guides you stepwise through the process of entering your article details and uploading your files.

Aims and scope are available at : <https://www.tandfonline.com/action/journalInformation?show=aimsScope&journalCode=tije20>

Authors' Instructions: <https://www.tandfonline.com/action/authorSubmission?journalCode=tije20&page=instructions>

IETE Organizational Members Activities



IETE Organisational Member (G00546) and ISF at Dept of ECE, Sreenivasa Institute of Technology and Management Studies (SITAMS), Chittoor, AP, organized a one-day seminar on “Recent Trends in Communications” on Oct 15, 2018. The event was chaired by Dr P Ramesh Kumar, Principal. The Chief Guest was Dr V Ravi Kiran, EC member, IETE Tirupati Centre (Scientist, National Atmospheric Research Laboratory (NARL), Dept. of Space) who delivered a technical talk on “Current Trends in Communication”, which was well received. The programme was organized by Dr M Saravanan, HoD and coordinated by Smt V G Hamsaveni, Principal, Dr P Ramesh Kumar appreciated the efforts of the team. The valedictory function was handled by Dr P Ramesh Kumar and vote of thanks was proposed by Smt VG Hamsaveni.

Awards & Achievements



Dr Udhav Venkatrao Bhosle (F-156349), Principal of Rajiv Gandhi Institute of Technology, Mumbai, has been appointed as Vice-Chancellor of Swami Ramanand Teerth Marathwada University (SRTMU) by the Hon'ble Chancellor of Universities in Maharashtra, Shri C Vidyasagar Rao, for a tenure of five years. Dr Bhosale has received his BE and ME degree from Dr Babasaheb Ambedkar Marathwada University, Aurangabad and PhD from IIT-Bombay in Electrical Engineering. He has a long experience of teaching, Research and administration. He is a Fellow member of IETE and was in the IETE Governing Council during 2016-18 and also served IETE Mumbai Centre as its Chairman.

Best wishes to Dr Bhosale for this important milestone in his life and career. May there be many more to come.

Dr Vikas Jain (M-225099) is an IETE alumni and has passed Advanced Level Course in Computer Science (ALCCS) in 2011 from IETE Delhi Centre. He received his PhD degree in Computer Science & Engineering from IFTM University, Moradabad, Uttar Pradesh and his thesis was on “Data Mining Techniques for Improving the Efficiency of Broadcast Data”.

Congratulations to Dr Vikas Jain on receiving his doctoral degree. Best wishes for the future.



Call for Nominations for IETE Awards-2019

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

The Call for Nominations is now open for the year 2019.

Nomination Submission Deadline: IETE Main Awards and IETE Corporate Awards: May 31, 2019.

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

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

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

IETE AWARDS

IETE MAIN AWARDS

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

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

IETE CORPORATE AWARDS

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

- Electronic Components.
- Computer and Telecommunication Systems.
- Development of Software.
- Electronic Instruments and Instrumentation.

For any query please e-mail at mgeditor@iete.org or contact : +011-43538845



Printer and Publisher : **Maj Gen P K Jaggia, VSM (Retd)** on behalf of Governing Council of the Institution of Electronics and Telecommunication Engineers (IETE), Published at 2, Institutional Area, Lodi Road, New Delhi-110 003 (India) and Printed at **Dolphin Printo-Graphics**, 4E/7, Pabla Building, Jhandewalan Extension, New Delhi- 110 055 (India), Editor : **Mrs Sandeep Kaur Mangat** copyright©2018 by the IETE (Cost per Copy : ₹ 4/-)