From President's Desk

Dear Members,

It gives me great pleasure to present this issue of IETE Newsletter. With your continued support and encouragement IETE continues to strive to spread technical thought and build capability through its various initiatives and programmes.

The past months saw IETE collaborate with various institutions/ organizations and participated in deliberations on significant issues. IETE's 50th Mid Term Symposium 2019, one of its flagship events was organized at Netaji Subhas University of Technology (NSUT), New Delhi on 5th April 2019. The event brought together the subject matter experts to deliberate on "Startup India Initiatives: IT & IoT based Ventures". To commemorate the event a souvenir-cum-proceedings was released. I congratulate all my colleagues and members from NSUT for their whole-hearted support in conduct of this programme. This edition carries the detailed report inside. IETE with all its Centres, Sub-Centres celebrated 51st 'World Telecommunication and Information Society Day' on 17 May '19 focusing on the theme chosen by ITU, namely 'Bridging the Standardization Gap'. The event was organized in joint sponsorship of Delhi state centre of Institution of Engineers (India) and Institute of Engineering and Technology (UK) India chapter. This popular programme was addressed by eminent speakers from diverse fields and was well received.

This issue of IETE Newsletter also carries details of the activities like Students' Day and International Women's Day apart from other training programmes and workshops, which were organized by various Centres across the country. The programmes were extremely interactive and saw active participation.

During the period, IETE Zonal seminars on significant topics were conducted along with ISF Congress Meets. Seminar at North zone was organized by IETE Aligarh Centre on the topic "ICT for Health and Mankind" on 16-17 March 2019, while seminar at East zone by IETE Ranchi Centre was on "Microelectronics, Computing & Communication Systems" on 11-12 May 2019, attended by eminent personalities and addressed by the experts, members and academia. After the resounding success of its last symposium, IETE PAC Australia organized its 14th Symposium with the support of Indian Consulate Perth. The event was graced by Shri Amit Misra, Consul General of India in Perth. You will find more details inside, but we sincerely congratulate the Executive Committee Members of IETE PAC Australia, for such undertakings.

Just as the election season going on in India, IETE elections are also underway for new President and Governing Council members, in accordance with the provisions of various sections of the Byelaws. I invite all the eligible members to vote via their account portal on www.iete.org. Likewise, I will appreciate if IETE members could encourage nominations of suitable persons for IETE Awards, which shall soon close by 31 May 2019. The Call for Nominations for IETE Awards-2019 can be found on our official website.

I hope you enjoy this issue of IETE Newsletter and look forward to your feedback and suggestions.

Prof (Dr) KTV Reddy

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IETE HQs, New Delhi

News from Headquarters

IETE 50th Mid-Term Symposium (MTS) 2019 - A Report

The IETE Mid-Term Symposium (MTS) is institution's annual flagship event that provides members with the opportunity to interact with experts & most innovative leadership thoughts from across the region and sectors. It brings together the best minds at the leading-edge of industry, policy and academics through focused and interactive debates. The theme for 50th commemoration of the symposium was '**Startup India Initiatives: IT & IoT Based Ventures** '**Breaking the Myth**'. IETE deliberated on the issue and necessity of building a strong ecosystem for nurturing innovation and entrepreneurship in the country and critically examined the strategies to provide advice for entrepreneurs that help foster successful ecosystems.

The event was organized jointly by IETE Delhi Centre and IETE Noida Centre at Netaji Subhas University of Technology (NSUT), New Delhi on 5th April 2019, and supported by IETE HQ and NSUT. The eminent personalities gracing the dais were: the Chief Guest **Dr Sudhir Kamath**, DG, Microelectronic Devices & Computational Systems, DRDO; a number of Guests of Honour- **Prof (Dr) KPS Rana**, NSUT, **Lt General (Dr) Rajesh Pant**, **PVSM, AVSM, VSM (Retd**), National Cyber Security Coordinator, PMO Office, **Shri Vipin Tyagi**, Exec Dir, C-DOT and **Shri Puneet Chawla**, CMD, RailTel Corporation of India Ltd along with **Prof (Dr) KTV Reddy**, President, IETE; **Shri V K Gupta**, Mentor North Zone; **Prof M N Hoda**, Chairman TPPC; **Shri RS Chauhan**, Chairman IETE Delhi Centre and **Lt Col Dipankar Sen (Retd)**, Secretary General, IETE.

Dignitaries releasing the Souvenir

Deliberations started with lighting of the inaugural lamp by dignitaries and recital of Saraswati vandana by students of the Music Society of NSUT. In his welcome address and opening remarks, **Shri R S Chauhan** extended deepest gratitude to the Chief Guest and dignitaries for gracing the occasion with their kind presence. **Prof MN Hoda** gave an elaborate overview of the symposium emphasizing on the need for startups in India and urged entrepreneurs to take initiatives. **Shri VK Gupta** highlighted the activities of the IETE Centres/Sub-Centres in the Northern region and informed the audience about NSUT's decision of turning into the IETE Organizational & ISF Member. **Prof (Dr) KTV Reddy** highlighting the activities of IETE, informed about IETE's plans of opening up of a new Professional Activity Centre at Dubai in near future. A Souvenir-cum-proceedings was released by the dignitaries commemorating the event. The Chief Guest **Dr Sudhir Kamath** delivered his inaugural address which was followed by discourses from other distinguished speakers. **Dr Anand Gupta**, Assoc Prof & Coordinator of the event from NSUT, also expressed his views about the symposium on the occasion.

Delivering the **46th Vikram Sarabhai Memorial Lecture, Dr Sudhir Kamath** highlighted the uses of IT and IoTs in various domains, boosting the growth of startups. He mentioned that Startup India initiative has contributed significantly to the Startup movement across the country and brought surge in entrepreneurial activities. He touched upon the related issues of challenges, barriers, opportunities in the field for service providers, on data security and privacy, big data management, etc., besides

highlighting DRDO's intended efforts to support young entrepreneurs for setting up a successful Startups. At the end of the Inaugural session, **Lt Col Dipankar Sen**, Secretary General IETE, proposed the formal vote of thanks, which was followed by National Anthem recitation by students of NSUT. During tea break, delegates visited the Exhibition Section on products and services offered by IT & IoT based Startup Ventures, arranged near the Symposium venue. The Exhibitors included M/s Quantum Research and Centre of Excellence, M/s Eduvance, M/s Redefine Dimensions Convergence Pvt. Ltd., M/s Aricent, M/s Astra Products Pvt. Ltd., Group, M/s Aalfa Network and M/s Narda Safety Test Solutions.

The event was spread over two technical sessions. **Technical Session–I,** covered presentations on **Information Technology (IT)**, with 7 Invited Speakers and moderated by P**rof Prerna Gaur**, Head, Instrumentation & Control Division NSUT, Dir & Member Secretary, NSUT-IIF. The first speaker, **Dr Debajyoti Bera**, Asst Prof, IIIT Delhi, spoke on the '**Foundations and Challenges of Quantum Computing'** and elaborated on few key ingredients used for designing disruptive quantum algorithms & protocols; key concepts employed by Quantum Computers emphasizing on knowledge of quantum mechanics and quantum computation. In her presentation, **Dr Aparajita Bhatt**, Assoc Prof, National Law University, New Delhi, emphasized on the '**Legal Aspects of Cyber Security'** and discussed various threats to the Information Security. She elaborated the National Cyber Security Policy 2013 and stressed on the need for a better, strong technological and legal matrices, which could effectively prevent risks of breach to the Information Security. **Ms Vartika Aggarwal**, the owner of her own Startup, **"Jewels by Vaga"**, highlighted the power of thorough planning, self-analysis, market pressures, and willingness to face unpredictabilities in any Startups. According to her the journey is more important than the destination. The next Speaker, **Shri Prashant Chugh**, Group Leader, C-DOT, New Delhi, spoke on '**Cryptography in a Post-Quantum World'** and focused his talk on the potential threats from Quantum Computing on the current Cryptography-based Systems. He explained the ways to counter these threats by adapting new paradigms called Post-Quantum Cryptography (PQC) Paradigms, besides sharing the efforts of CDoT in this direction. '**User-centric problem solving as a growth lever for Startups'** was the topic of **Shri Rohit Raghav**, VP at OYO. He emphasized on the importance of understanding users' needs and their potential response to solutions, which is indeed a challenge in any Startup. He advised tackling such problems by adopting right thinking and 360 degree approach focused on specific outcomes. Next speaker, **Shri Swarandeep Singh Kambo**, Lead – Investment and Community at UNLEASH, spoke on '**Art of Fundraising for Early Stage Startup',** wherein he shared the apprehensions of an investor's mind. The concluding talk of the session was **Prof Sandeep Mann** - a multitalented professional on '**Beyond App Design – Life is a big game**'. He illustrated on those six elements that were required in making of a successful App.

Technical Session – II contained talks on the broad topic of Internet of Things (IoT) and was chaired by **Shri Vimal Wakhlu**, Former CMD, TCIL. In his opening remarks, Shri Wakhlu touched upon various challenges that were being faced by Indians even after much advancement. He urged the younger generation to gear up for meeting such challenges by harnessing the power of technologies and utilizing the benefits by entering into entrepreneurships. The first Invited talk of the session was by **Dr Girish Mishra**, Scientist E, DRDO on **'Blockchain Technology'**, wherein he explained the basic concepts & its applications in diverse areas, *viz*. healthcare, supply chain management, IPR, anti-counterfeiting and fraud detection. **Prof D V Gadre**, Assoc Prof, NSUT, spoke on '**System design Guidelines for IoT Leaf Node with Example**s' wherein he illustrated an IoT Node as part of a hierarchical system consisting of data collection, reduction and internet connectivity with the help of a few case studies. Next Speaker **Dr SRN Reddy**, Prof, CSE,IGDTUW, delivered his talk on '**Research to Entrepreneurship – A journey of ETI Labs Pvt. Ltd'**. Elaborating the formation of ETI Labs as a result of project based R&D approach at IGDTUW, he discussed transformation of the research outcomes in different areas of IoT into enduser products. **Shri Anil Pathak**, Dir-Engineering, Harmann Connected Services, discussed on **'IoT Use Cases – Home/Office Automation, Wearable Devices and Connected Car'** and told about the features of a connected car, besides accomplishments, challenges and future potential areas of R&D/POC/ Pilots. Next speaker, **Dr P C Dave**, Founder & Dir, IP Moment Services, articulated on **'Importance of Intellectual Property Rights (IPR) for Startups'**. He brought awareness on the issue of identification & protection of IPRs by discussing different types of IP Rights and efficient & effective protective ways for any Startup in this direction. **Shri Sumit Monga**, Head, Govt Affairs, UNLIMIT, deliberated on the issue of **'Usage Based Insurance'**, highlighting their initiative on implementing the usage based insurances for optimal rationalization of the vehicles' insurance premium. The last speaker, **Shri Manusheel Gupta**, Founder & Chairman, SEETA

and Co-founder & Dir, Aspiring Investments Corp., focused on the topic **'IT Learning and Engineering with Open Source Software'**. Shared his experiences on setting up of a Startup, their achievements, challenges and prospectives, he introduced the work of his physically challenged colleague, **Shri Vibhor** towards developing of an App giving information about Govt. of India's various schemes to the disabled persons, which was very much appreciated. The invited speakers and the Chairpersons of both the sessions were felicitated.

IETE-Lal C Verman Award Lecture was delivered by **Shri A K Lal**, Head, Systems Reliability Group at SAC, Ahmedabad on **'The Systematic Space Qualification of Indigenous Semiconductor and Substrate Technology'**, wherein, he deliberated on the need to optimize electronic systems for space payloads so as to ensure the best possible performance in the smallest form factor and with highest power efficiency. He stressed the need of establishing cutting edge semiconductor technology facilities to undertake the design, fabrication, characterization and Space Qualification of such devices.

The Valedictory Session witnessed the participation of dignitaries, viz. **Prof (Dr) KTV Reddy**, President IETE; **Shri Vimal Wakhlu; Dr (Mrs) Smriti Dagur, Past President IETE; Dr J W Bakal; Prof M N Hoda** and **Shri V K Gupta**. The panel unanimously agreed to the fact that there is a huge potential of IT and IoT applications for the growth of technology in India. It was opined that IETE should have an Incubation Centre to help budding entrepreneurs. Members appreciated the efforts put up by all in the conduct of the MTS-2019. **Lt Col Dipankar Sen,** Secretary General, IETE thanked the Panel Members and all the Invited Speakers. Valedictory Session came to an end with presenting of IETE Mementos to the Exhibitors and NSUT key members for their unreserved support. The program concluded with the vote of thanks by **Col Manoj Pande** (Veteran), Chairman, IETE Noida Centre. The event culminated with an entertaining & enjoyable **Cultural Program** by the students of NSUT.

Glimpses of 50ᵗʰ MTS–2019

23rd Sir C V Raman Memorial Lecture 2019

This year the **Sir CV Raman Memorial Lecture** was observed on the **National Science Day** on 28th Feb 2019 by IETE Bangalore Centre. The chief guest, **Dr VR Lalithambika**, Dir, DHSP, ISRO HQ, Bangalore, delivered this **Memorial Lecture** on **'Space Exploration'** on this occasion. The event also witnessed the august presence of an Eminent Scientist, DF & Past President of IETE, **Prof B S Sonde** as Guest of Honour. **Shri C Satyanandan**, Centre Hony Secretary, initiated the programme with a warm welcome. The speakers were introduced by the Centre Vice-Chairman, **Shri CP Dwivedi.** The Centre Chairman, **Prof H S Bhatia** presided over the function. Accentuating the contributions of Sir Raman, **Prof Sonde** highlighted the impact of discovery of Raman Effect which brought resurgence of scientific research in the country. He said that National

Release of IETE Bengaluru Magazine on the occasion

Science Day was celebrated in honour of this epoch making discovery since 1988, his birth centenary year. Sir Raman was awarded the Nobel Prize in Physics in 1930, two years after the discovery. The audience were enlightened on other less known facts about this genius, in addition to his childhood days, education and other achievements during his life. In a way, Prof Sonde paid homage to this great soul vide his address. **Dr VR Lalithambika**, in her presentation **'Why Space Exploration'** gave an outline about the hidden wonders in outer space. She took the audience through the various space expeditions that has been carried out till date by the ISRO to discover and learn more about outer space. She also talked about the technical challenges, hazards and disposal plans of dead satellites, possibility of interstellar travels in near future, about ongoing studies of effect of time on human body while in Space and other related psychological effects before sending man onto space. She highlighted the vast opportunities present in space research for the coming generation. After Chief Guest's presentation, the 3rd edition of **'IETE Bengaluru Magazine'** was released by the distinguished guests. Chairman, Editorial Committee, **Dr M H Kori**, briefed on its current and previous editions. **Prof HS Bhatia**, **Shri G Ramesh**, also addressed the audience. Vote of thanks was proposed by **Shri KS Ravi**, Centre EC member.

IETE North Zone Seminar and ISF Congress at Aligarh

The IETE Aligarh Centre organized a two- day Zonal Seminar on **"ICT for Health and Mankind"** during 16th-17th Mar 2019 at University Women's Polytechnic, Aligarh Muslim University, Aligarh. The inaugural lamp was lighted after reciting verses from the holy Quran. The welcome address was given by **Prof Zia A Abbasi**, Chairman, IETE Aligarh Centre. The Chief Guest **Prof (Dr) KTV Reddy**, President IETE, highlighted the use of ICT in revolutionizing the healthcare sector in his address. He stated that IT enables new opportunities for production of new knowledge and best practice that opens new ways of improving the performance of health systems. He motivated students and faculty of the college to participate actively in the various IETE programmes of the Centre. **Dr Abdus Samad**, Centre Hony Secretary, presented programme's overview. **Shri Vijay Kumar Gupta**, Zonal Mentor (North) and the Guest of Honour for the programme, pointed out significant influence and equal contribution of all disciplines of engineering, sciences & technology in the health care system and applauded the right choice of topic for deliberations by IETE Aligarh Centre, which is located near to AMU, the centre of learning. A souvenir was also released during the inaugural function. **Prof B H Khan**, Dean, Faculty of Engg & Technology, AMU, presided

over the function. In his address, he emphasized the need for improvement in the price and effectiveness of overall healthcare systems using ICTs. Fellow members present on the occasion were: Prof K R Khalil Ahmad Khan, Prof Shamim Ahmad, Prof M A Siddiqui; Sr Members and EC members of IETE Aligarh Centre. On the 1st day, three technical sessions were arranged with resource persons, namely- **Dr Vinay Kumar, Prof Yusuf Uzzaman Khan** and **Prof Abid Ali Khan**. Project demonstration was held during pre-lunch session, wherein all the VIPs including President IETE and Zonal Mentor (North) were present. The EC meeting was held later on the first day, chaired by Prof (Dr) KTV Reddy. Issues related to north zone were discussed in the presence of North Zone Mentor,Shri V K Gupta apart from agenda items for the EC meeting. The second day started with an expert lecture by **Dr Salma Shaheen,** Principal, University Women's Polytechnic, AMU. Later, two sessions of oral/ poster presentations were organized parallelly by the ISF Congress. Faculty members, research scholars and PG/UG/Diploma students, participated in this programme and many presented their research papers. Prof (Dr) KTV Reddy and Shri V K Gupta were felicitated on the occasion. Dr M Ajmal Kafeel, Assoc Prof, Women's Polytechnic, conducted the programme, while Dr Salma Shaheen presented vote of thanks.

IETE North Zone Seminar held at University Women's Polytechnic, AMU

Participants of ISF Students' Congress at Aligarh

New IETE Members enrolled/upgraded during Dec 2018 to Mar 2019

S.N.	MEM	CAT	NAME
1	501469	AM	Rai, Dheeraj Kumar
2	501470	AM	Dilip Kumar V
3	501496	AM	Elavarasan A K
4	501497	AM	Jain, Siddhant
5	501516	AM	Gopi Ram, Dr
6	501517	AM	Sheikh, Tasher Ali, Dr
7	501518	AM	Mallu, Shalem Sindhura
8	105335	F	Venkata Ramana Reddy J
9	123971	F	Gawande, Avinash D, Dr
10	141957	F	Sawarkar, Sudhir Kumar D, Dr
11	169927	F	Kumar, Amitabh, Dr
12	189103	F	Pandey, Hemendra Kumar, Dr
13	189129	F	Ravi Kumar, Dr
14	211957	F	Kamale, Usha, Prof (Dr)
15	212155	F	Singh, Rakesh Kumar
16	216348	F	Chunkath, Job
17	218842	F	Jiauddin, Najeem
18	230108	F	Satheesh, S, Dr
19	235367	F	Leela Kumari B, Dr
20	235696	F	Ghai, Garima
21	236530	F	Karmakar, Ayan
22	500834	F	Vyas, Sandeep, Dr
23	501422	F	Toravi, Jitendra R, Dr
24	501423	F	Dhurandher, Sanjay Kumar, Dr
25	501424	F	Gaur, Prerna, Dr
26	501425	F	Suresh Kumar, A, Dr
27	501426	F	Susan Christina, X, Dr
28	501427	F	Raja R, Dr
29	501428	F	Sabharwal, Sangeeta, Dr
30	501429	F	Singh, Vijander, Dr
31	501430	F	Rani, Asha, Dr
32	501431	F	Jha, Shyama Kant, Dr
33	501432	F	Sindhu S, Dr
34	501433	F	Wadhe, Vaishali Rama, Dr
35	501434	F	Kumar, Arvind
36	501435	F	Upadhyay, Brajesh Kumar
37	501436	F	Kasturi, Kalyan S, Dr
38	501437	F	Amutharaj J, Dr
39	501438	F	Sharma, Renu Ram Krishan
40	501439	F	Vijayakumar P, Dr
41	501440	F	Agarwal, Rakesh Mohan
42	501441	F	Bhatia, Jitendra
43	501471	F	Banerjee, Subrata, Prof (Dr)
44	501472	F	Challa, Venugopal Reddy, Dr
45	501473	F	Subrahmanyam, K V, Dr
46	501474	F	Jaya Lakshmi, R
47	501475	F	Srikantam, Chandrasekhar

S.N.	MEM	CAT	NAME
48	501476	F	Boopathi Rani R, Dr
49	501477	F	Roy, Hari Ohm
50	501478	F	Bhilatia, Mukesh
51	501479	F	Gosawi, Babangir Uttamgir
52	501480	F	Yadav, Rahis Kumar, Dr
53	501481	F	Landge, Irfan Abdulgani, Dr
54	501498	F	Jain, Ajit Kumar
55	501499	F	Singh, Raj Kumar, Dr
56	501500	F	Vatti, Rambabu A, Dr
57	501501	F	Rathi, Amit, Dr
58	501502	F	Chaturvedi, Soni Adit, Dr
59	501503	F	Joshi, Rajan Mukund
60	501504	F	Arti M K, Prof (Dr)
61	501505	F	Asapu, Srinivasa Rao
62	501519	F	Das, Nabendu
63	501520	F	Das, Shyamal Kumar
64	235722	M	Ansari, Juhi Nishat
65	236879	M	Saravanan, K
66	236880	M	Prabhu V
67	500536	M	Kothari, Mayank
68	501442	M	Madas, Pushpalatha
69	501443	M	Arun Raj SR
70	501444	M	Deote, Sharayu Jayant
71	501445	M	Safdar Tanweer, Dr
72	501446	M	Aziz, Asfia
73	501447	M	Nafis, Md Tabrez
74	501448	M	Sunami, Karuna Yogesh
75	501449	M	Mirza, Rahil Beg
76	501450	M	Jain, Sapna, Dr
77	501451	M	Vinita Kumari, Dr
78	501452	M	Ahmed, Jawed
79	501453	M	Gupta, Richa
80	501454	M	Hasmat, Dr
81	501455	M	Kumar, Bhavnesh, Dr
82	501456	M	Manisha
83	501457	M	Chinna, Muniyandi S
84	501458	M	Ragubalan T
85	501459	M	Aggarwal, Bhawna, Dr
86	501460	M	Bansal, Urvashi, Dr
87	501461	M	Yadav, Jyoti, Dr
88	501462	M	Poonam Rani
89	501463	M	George, Nivin Jacob
90	501464	M	Rahul S
91	501465	M	Chandika, Mohan Babu
92	501466	M	Srinivas T
93	501467	M	Khare, Anshu
94	501468	M	Kumar, Nishant

S.N.	MEM	CAT	NAME
95	501482	M	Saiman K
96	501483	M	Allan J Wilson
97	501484	M	Srinivasan P
98	501485	M	Nair, Anish, Dr
99	501486	M	Kaushik, Priya Darshni
100	501487	M	Awachar, Sandeep Ajabrao
101	501488	M	Madhu Kumari
102	501489	M	Ashutosh
103	501490	M	Ashok Kumar
104	501492	M	Beniwal, Rohit
105	501493	M	Biswas, Balaka, Dr
106	501494	M	Gande, Arun Kumar, Dr
107	501495	M	Hashmi, Mohammad Farukh, Dr
108	501506	M	Sivasubramanyam Medasani
109	501507	M	Gupta, Saptarshi
110	501508	M	Sajja, Neeraja, Dr
111	501509	M	Ray, Partha Pratim
112	501510	M	Karney, Damodar, Dr
113	501511	M	Kalle, Ritesh Kumar, Dr
114	501512	M	Joshi, Jonathan Rajendra, Dr
115	501513	M	Srinivasan R
116	501514	M	Bhojak, Vivek
117	501515	M	Lodhi, Rakesh Singh
118	G00554	ORG	Jamia Hamdard, New Delhi
119	G00555	ORG	IPS Academy Institute of Engineering & Science, Indore
120	G00556	ORG	GSSS Institute of Engineering & Technology for Women, Mysuru
121	G00557	ORG	Government Engineering College, Bilaspur, Chhattisgarh
122	G00558	ORG	Kongu Engineering College, Erode
123	G00559	ORG	Dibrugarh University Institute of Engineering & Technology, Dibrugarh, Assam
124	G00560	ORG	Baba Farid College of Engineering & Technology, Bhatinda, Punjab
125	G00561	ORG	Thakur College of Engineering & Technology, Mumbai
126	G00562	ORG	Mar Baselios College of Engineering & Technology, Trivandrum
127	G00563	ORG	National Institute of Technology, Kurukshetra
128	G00564	ORG	Centre for Development of Advanced Computing, Bangalore

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

News from Centres

AHMEDABAD

• IETE Ahmedabad ExeCom members visited **Amul Fed Dairy-** largest dairy in entire Asia, established in Bhat village, Gandhinagar on 2nd Feb 2019 as a part of an Industrial visit. The members were given detailed knowledge on its working, products, services, sources and quality maintenance etc that are produced by Amul plants.

• A technical visit to **Institute for Plasma Research (IPR), Gandhinagar**, was arranged for EC and Sub-Committee members on 2nd Feb 2019 to commemorate National Science Day (NSD). Interactions were held between students, public and scientists of IPR. Science displays, demonstrations, projects, skits & competitions like quiz, eloquence, essay, poster etc. for school students were arranged. **Smt Chhaya Chavda**, NSD coordinator, briefed IETE members on various IPR activities and invited them to visit Plasma Pyrolysis facility, Aditya Tokamak, Steady State Tokamak-1 (SST-1) and Science Park, which showcased important components of Plasma & Fusion technology. It was told that IPR also worked in the fields of theoretical plasma physics, computer modeling, superconducting magnets and cryogenics, ultra-high vacuum, pulsed power, microwave and RF, computer-based control and data acquisition and industrial, environmental and strategic plasma applications.

• A one-day seminar on **Power 2 Solve** was organized jointly with Optimized Solutions Ahmedabad & Tekrtonix, Bengaluru on 20th Feb 2019. Discussions held revolved around Magnetic analysis/property (B/H curve); power analysis; efficiency of switching power supply; high power electrical measurement, probes for different types and applications, measurement of ripple, power efficiency, energy efficiency products using green technology, frequency response, bode plot (control loop response) and power supply ripple rejection. After lunch further discussions on above mentioned topics were held and a demonstration was given by the Tektronix team. 25 members including senior executives from IETE, engineers from SAC ISRO, IPR, LD Engineering College, academia and M/s Inducto therm, attended the seminar.

• **International Women's Day** was observed on 10th Mar 2019 on the campaign theme "Balance for Better". **Prof Usha Neelakantan**, HoD/EC, L D College of Engineering, graced the day as Chief Guest. **Ms Chhaya K Chavda**, Sc Offr-G, IPR, Bhat, Gandhinagar, the speaker; **Shri Sudhir Agarwal**, Centre Chairman; **Shri R M Makwana**, Centre Hony Secretary; **Shri K K Mehta,** Hony Treasurer, were present on the dais. Shri Sudhir Agarwal, welcoming all, briefed about the Cente's activities and highlighted the importance of celebration of women's day. He sketched out the Indian women colossal contribution to GDP which they do through their savings and also how even the housewives contribute towards national development. He urged all to act as responsible citizens and making woman feel special in certain ways to support their dreams. The theme speaker **Ms Chhaya Chavda** shared her views on "Think equal, build smart, and innovate for change". She spoke on gender equality and women 's empowerment, rights of women and giving them opportunity to reach their full potential. Prof Usha Neelakantan also talked about gender equality, equal opportunity to girls, more access to basic& higher education and more opportunities for ladies on key positions. Vote of thanks was proposed by Shri R M Makwana.

Prof Usha Neelakantan, the Chief Guest, addressing the audience

• An **Environmental and Education Excursion** was organized on 30th Mar 2019 for about 21 IETE members along with their family. The members first visited Tri Mandir at Dabhoi for darshan and then went to see Statue of Unity (SoU) of Sardar Vallabhbhai Patel- the Iron Man of India, near Sardar Sarovar Dam. This statue is located on the Sadhu Bet Island, near Rajpipla on the Narmada River between the Satpura and the Vindhya mountain ranges. Other places visited and enjoyed by all members were the Museum, Viewing Gallery, Valley of Flower, Dam Site etc, followed by a Laser Show at SoU in the evening.

ALIGARH

The Centre sponsored a two-day conference on **Performance Evaluation of Big Data (PEBD-2019)**, organized by Dept of Computer Science Engg & IT, Jaypee University, Anoopshahr during 2nd – 3rd Mar 2019. **Dr A Samad**, Centre Hony Secretary, delivered the keynote lecture and graced the occasion as Chief Guest. He urged and motivated students to get involved in technical events and join ISF activities of the Centre, without hesitation.

Dignitaries on the dais during PEBD-2019 Conference

BANGALORE

• **Prof N S Nagaraja Memorial Lecture** on "Save & Sure Navigations" by **Prof P R Mahapatra**, IISc, Bengaluru, was conducted on 30th Jun 2018. The Centre Chairman, **Prof H S Bhatia**, presided.

• The **IRSI-2018 Award ceremony** was clubbed with the IETE International Conference India-2018 (IICI-2018)held at Bangalore on 14th Dec 2018. **Dr K Sivan**, Chairman, ISRO and Secretary Dept of Space, Govt of India, inaugurated the conference and the exhibition. In its inaugural function, **Prof (Dr) KTV Reddy**, President IETE, conferred the **Honorary Fellowship** of the institution on **Dr K Sivan**. IETE-IRSI awardees 2018 were: **Mr M Sheik Altaf**, LRDE, DRDO, Bangalore for **IRSI Main Scientist Award**; and **Shri Virendra Kumar**, LRDE, DRDO, Bangalore & **Shri Kandula V Subrahmanyam**, VSSC, ISRO, Trivandrum, jointly for **IRSI Young Scientist Award.** Seen below is one of the awardees being felicitated during the function by Shri A S Kiran Kumar, Former Chairman ISRO.

Shri AS Kiran Kumar, Former Chairman ISRO, felicitating the awardee

• A course on **Advanced FPGA Design** was started at the Centre from 13th Jan 2019 by **Shri Anil Kumar T S**. Participants were from engineering colleges, LRDE and DRDO, who attended the course. **Shri C P Dwivedi**, Centre Vice-Chairman moderated as the course director.

• **IETE Students' Day** was observed on 10th Feb 2019 with a welcome address from **Prof CV Ravishankar**, EC member. **Shri Satyanandan**, Centre Hony Secretary, read out the President's message for the day. **Dr MH Kori**, DFIETE, gave an address to the students. An overview of the programme was presented by **Prof G K Venkatesh**, EC member. **Prof H S Bhatia**, Centre Chairman also spoke on the occasion. A Quiz competition was organized for students. In another competition 'Pick & Speak', students were prompted to pick topics at random and speak. Prof Venkatesh, moderated for both the competitions. Later, certificates were distributed by the Chairman and other members. Shri K S Ravi, EC member proposed vote of thanks.

• A one-day workshop on **Signals & Systems with its Applications** was organized on 31st Mar 2019 with an objective to bring students, academicians, research scholars and industrialists on one platform and knowledge, views and ideas on the concepts of the foundations of signals & systems be shared. The workshop involved detailed overview of signals & systems along with rich practical exposure. The course provided a guide for the persons handling theory & lab sessions at various institutes across the country. Centre Hony Secretary, **Shri C Satyanadan** was present on the occasion. **Dr D G Rao**, Scientist-E, LRDE DRDO, the Chief Guest and EC member, inaugurated the workshop, whereas **Prof G K Venkatesh,** performed as the course director. Vote of thanks was proposed by **Prof H S Bhatia**, Centre Chairman, after valedictory session.

BURDWAN

A 'Quiz Contest' was conducted by the Sub Centre in association with Dept of Physics, University of Burdwan on the eve of **IETE Students' Day** on 1st Feb 2019. Students from BTech, MTech, BSc and MSc programs from colleges and universities near the Sub-Centre were invited to take part in the 'Quiz Contest'. About 40 participants attended along with IETE members of the Sub-Centre. **Dr Anindya Bose**, FIETE, before conducting the quiz, read out the message for the day from President IETE. At the end all participants were distributed certificates. Top three winners were given prizes and merit certificates by **Dr Tanmoy Banerjee**, FIETE, **Dr Anindya Bose** and **Dr Joydeep Chakravorty**, MIETE respectively.

Winners of the Quiz Contest felicitated during valedictory session by IETE Burdwan Sub-Centre

CHANDIGARH

IETE Chandigarh Centre celebrated **IETE Students' Day** together with a **one-day workshop** on "Design, Manufacturing and Flying of Drones" on 1st Feb 2019. This was organized in association with Chandigarh Group of Colleges (CGC), ECE Dept, Mohali (Punjab). **Dr Rajneesh Talwar**, Principal, CGC Jhanjeri, delivered the welcome address. The event was inaugurated by **Dr (Prof) Sushil K Kaura**, Centre Chairman, as the Chief Guest. In his addresss Dr Kaura accentuated the importance of holding such workshops that have long term motives including efforts to improve standards of engineering education, encouragement to students for outside classroom studies. He motivated the participants to acquire additional technical skills while pursuing formal studies at their colleges. He also read out the message of the the Students' Day from the President, IETE and outlined membership benefits to the fraternity. The workshop organized, focused on design, manufacturing and flying of drones and its applications and was very informative particularly for budding engineers. **Shri Sunny Kumar**, founder and CEO of Innovation & Design Technologies, Chandigarh, shed light on the scope of the field. **Shri Abhishek** from same company, discussed various technical aspects and topics like Fixed and Rotary wing Vehicles, Fabrication of UAV frames, Installation and wiring of electrical/electronic components of quad copters.

IETE Chandigarh Centre Chairman, Dr (Prof) S K Kaura seen sitting in the middle with participants of workshop

The speakers prompted and inspired students to learn more about designing part to improve their technical skills that could be useful for their future placements. Other topics covered were: working of DC motors, electronic speed controller & quad copter embedded control board. A live demonstration was given on flying drones. Workshop proved to be very advantageous for all participants (40 students of ISF of ECE Dept). Vote of thanks proposed by Dr Sajjan Singh, HoD, CGC.

CHENNAI

• An Industrial visit to the campus of National Institute of Ocean Technology (NIOT), Chennai, was arranged for 119 ISF members (Jeppiaar Maamallan Engineering College, Sriperumpudur) was organized along with six staff members, on 25th Oct 2018.

Industrial visit to NIOT campus, Chennai

• To mark **IETE Students' Day** on 26th Feb 2019, students' gathering was called at Jeppiaar Maamallan Engineering College (JMEC), Sriperumpudur, wherein **Prof K H Shakthi Murugan**, Centre EC member and AP/ECE/JMEC, delivered a welcome address. **Dr M Selvi**, Centre Hony Secretary, read out the message for the day by President IETE. **Dr K V Karthikeyan**, Principal JMEC, gave a discourse to the students. In his address **Shri Tata Sudhakar**, Centre Chairman, highlighted various activities being undertaken by the Centre, particularly programs like skill development trainings, technical seminars, paper contest, workshops, lectures etc. and delivered a very interesting talk on **"Marine Robotics"**, which was appreciated by all.

Dignitaries on the dais during IETE Student's Day celebration at JMEC, Sriperumpudur

On the same day, best ISF Awards were announced. Out of a total of 11 entries, the top three colleges chosen for this award were: **Sri Sairam Engineering College (1st Prize); Saveetha Engineering College (**2nd Prize) and **Valliammani Engineering College (3rd Prize).** In addition, entries for Project display/demonstration and Circuit Debugging Competition were received from more than 10 engg colleges. These entries were evaluated by jury experts based on the criteria of usage of technology, clarity, merit of content, and the capabilities/communication skills for presentations. The winning colleges for **Project Display** included**: Saveetha Engineering College-** 1st Prize with cash prize of Rs. 2,000/-; **B S Abdul Rahman Crescent Institute,** 2nd Prize with cash prize of Rs. 1500 while **Veltech Multi Tech Dr SRR Engineering College,** bagged the 3rd prize of Rs. 1,000/-. In **Circuit Debugging**

competition, 1st Prize went to **Valliammai Engineering College** (Rs. 750/-); 2nd Prize to **Sri Sairam Engineering College** (Rs. 500/-) and 3rd Prize to **Veltech Multi Tech Dr SRR Engineering College & Valliammai Engineering College** (Rs. 250/-).

• On 29th Jan 2019, the Centre organized a one-day **Faculty Development Programme (FDP)** on "Wireless Sensor Networks and Mobile Adhoc Networks" by **Shri J Santhankrishnan**, CTO, Tamilnadu Cable TV Corporation, Chennai, Formerly Adjunct Faculty, NIT Nagaland and Former Principal, Telecom Training Institute, BSNL, Chennai and **Shri A Sadagopan**, Former AGM, BSNL, Chennai Telephones.

• A workshop on **Technology beyond Gigabit Passive Optical Network** was conducted on 28th Feb 2019 with the assistance **Shri J Santhankrishnan**, and **Shri A Sadagopan**, as resource persons. Members, students and faculy participated.

COIMBATORE

• A workshop on **Real Time Operation & Control of Power Systems** was organized by **Dr S Balamurugan**, **Dr KRM Vijaya Chandrakala** and **Shri N Janarthanan**, during 21st- 22nd Mar 2019. The concepts demonstrated using real time models were: Ferranti effect; surge impedance loading; series active compensation; series passive compensation; shunt compensation; enhancement of power system stability; power flow analysis in IEEE 5 bus system; development of numerical relay; performance analysis of transmission line and real power flow control in transmission lines. About 30 faculy members, researchers, students and members of IETE Coimbatore Centre attended.

• Under Women's Empowerment Program, the Centre organized a workshop on **Internet of Things using Arduino and Raspberry Pi** on 28th Mar 2019 with **Dr V Ananthanarayan**, Centre Hony Secretary and AP/CSE, Amrita School of Engineering, Coimbatore and **Ms P Divya Bharathi**, PhD Research Scholar as resource persons. Objective was to impart hands-on training to girl students to help them learn techniques of IoT Node design and deployment of real time IoT projects. Tools used were - Arduino mega boards & cables and Rasberry Pi. The workshop was organized by **Shri N Krishna Prakash**, AP/EEE, Amrita School of Engineering, Coimbatore, and attended by about 25 girl students.

• Another workshop on **Cyber Physical Systems** arranged on 29th Mar 2019 was inaugurated by **Dr M Jayakumar**, Centre Vice-Chairman and **Dr V Ananthanarayan**, Centre Hony Secretary, which was meant for giving training to

faculty, students and researchers in the cutting-edge area of cyber physical systems. The tools used were-Arduino mega boards & cables and Rasberry Pi. The workshop was organized by **Shri K P Peeyush**, AP/ECE, Amrita School of Engineering, Coimbatore. About 30 faculty members, researchers, students and the members of IETE Coimbatore Centre, attended the workshop.

Centre's Vice Chairman, Honorary Secretary along with faculty during the workshop

DELHI

• Flag hoisting ceremony on the occasion of Independence day was observed at the Centre's premises. Dr V S Panwar, Centre Hony Secretary hoisted the flag in the presence of students and staff members.

• Online examinations of reputed institutions/organizations were conducted successfully during Aug-Dec 2018, *viz*., Indian Navy on Sikkim Manipal University; Narsee Monjee Institute of Management Studies (NMIMS); NTPC Ltd; National Institute of Bank Management (NIBM); Indian Institute of Banking and Finance (IIBF) & Junior Associate of Indian Institute of Banking (JAIIB); Chandigarh Police; CA examination; IGNOU TEE; IETE Exams; Defence Research and Development Organisation (DRDO); OPENMAT, NMIMS and NIBM .

• The Centre and IGNOU Regular Study Centre-38036 jointly conducted an **Induction Meet** on 21st Oct 2018, graced by **Prof Ashoka Chandra** as the Chief Guest. **Shri M B Goswami**, Centre Head, IETE IGNOU RSC-38036 delivered the welcome address while **Dr SK Mohanty**, Asst Regional Director, IGNOU, gave a discourse to students. He elaborated on the process of induction, various characteristics of distance education, *viz*. availability of self-learning materials, continuous assessment process, flexible duration and some other operational issues. He also shed light on how the new system is different from 'correspondence course system' still operating at number of places. Vote of thanks was proposed by Shri Shubhadeep Dasgupta, Asst Coordinator, RSC-38036.

• **IETE Foundation Day** celebrated on 05th Nov 2018 started with the President's message after the welcome address by **Shri Uttam Kumar**, Faculty Member. Shri

Kumar later delivered a technical lecture on "Robotics and its Applications".

• The **Empowerment programmes** undertaken at various schools by the Centre were as follows:-

Programmes conducted	Schools covered	On	Subject	Dignitaries/ Faculty/ members presented	No of participants
One-day training on Woman Empowerment	GSKV Hari Nagar, New Delhi	25th Aug 2018	IT sector awareness	-	150 girls students
One-day training on Computer	GGSSS School, Ashok Nagar, New Delhi	30th Aug 2018	Challenges Internet Security	-	About 110 girls of 9th-10th students
One-day Training programme on Computer	GSSS, Tri Nagar, Delhi	17th Sep 2018	Available opportunities in the IT Sector	-	Around 150 girls of 9th to 12th students
One-day Training programme on Computer	GGSSS, Pitampura and SKV Ashok Vihar, Delhi	5th Oct 2018	Internet & Mobile Computing Programme	Dr V S Panwar, Centre Hony Secretary	Students of 11th & 12th class
Two-day Training programme on Computer	SKV, Vikashpuri, New Delhi	15th-16th Oct 2018	Advance Web Technology	Dr V S Panwar, Centre Hony Secretary	12th class students
One-day Training programme on Computer	GSBV School, Pooth Kalan	17th Nov 2018	Android Technology	Dr VS Panwar, Centre Hony Secretary	Students of 11th & 12th class
One-day Training programme on Computer	GSBV School, Pooth Kalan	30th Nov 2018	Internet & Mobile Computing	Dr VS Panwar, Centre Hony Secretary	High school students

• **IETE Students' Day** celebration was held on 1st Feb 2019 by the Centre, where participants were welcomed by **Dr V S Panwar**, Centre Hony Secretary. A talk on "**Digital Marketing**" was delivered by **Dr Tarun Rawat,** EC member, to mark the occasion. Other activities organized on the day were: a debate, antakshri competition and few sports, which were participated enthusiastically by all.

• The Centre conducted more online examinations for organizations/ institutes like: IMT, IIBF-Diploma, XIMB GMAT, CBT , RPF, Indian Navy, Brati; CSIR during the months Jan-March 2019.

ERODE

• **Skill Development Training Programme** was organized for students to prepare them for competitive examinations in Govt Sectors during 11th Aug 2018 to 17th Mar 2019. About 79 members attended.

• The Centre sponsored (technically & financially) an **International Conference** on "Intelligent Computing and Communication for Smart World (I2C2SW-2018)", that was held on 14th-15th Dec 2018.

• A **skill development programme** on 'Industry Ready Engineers' was conducted for about 28 members during 15th 18th Dec 2018.

• **IETE Students' Day** was celebrated on 1st Feb 2019 at Kongu Engineering College (KEC), which started with a welcome address by **Dr D Malathi**, Centre Hony Secretary. **Dr C N Marimuthu**, Centre Chairman, read out the message of the day received from President IETE to the audience. A guest lecture on "Personal and Professional Grooming" by **Dr N Shankaran**, Sr Mentor, Core Aptitude Training Institutions, was arranged for benefit of students. Few aptitude solving games were conducted by **Shri G Dharani**, Sr Manager, Core Aptitude Training Institutions. Around 120 students from different ISFs participated, *viz.*, Kongu Engg College, Nandha Engg College, Nandha Institute of Technology, Mahendra Engg College, Excel College of Engg and Velalar College of Engg & Technology.

• **Dr G Murugesan**, Immdt Past Centre Chairman, welcomed the gathering of **IETE Innovators' Meet-2019,** organized on 13th Feb 2019 at KEC, Perundurai. **Thiru A Venkatachalam**, Correspondent, KEC, delivered the presidential address on the occasion. **Prof S Kuppuswami**, College Principal & FIETE, praised the conduct of the programme in his address. The Chief Guest, **Shri S Ramaswamy**, Former Chief Engineer, AIR & DD (Southern Region), delivered a special lecture on the topic **"Innovation"** during this meet**.** Post lecture projects/ideas were presented. Out of 66 projects, 21 were shortlisted for final presentation. Top three projects were rewarded and the programme ended with vote of thanks by **Dr C N Marimuthu**, Centre Chairman.

Projects & Ideas being released by dignitaries during IETE Innovators' Meet-2019

• A workshop on **"Foundations of Deep Learning for Engineering and Science using Python to learn the Coding"** was organized during 21st-22nd Feb 2019. The topics covered in the workshop included: Introduction to elements of learning; setting up coding environment; understanding the Maths behind learning: n-dimensional space; optimization and loss function; coding single neuron from the scratch in python and its application to house price prediction problem; coding deep neural networks (DNN) in python framework for digit classification; vanishing gradient problem; under fitting and over fitting of neural networks and its solution and coding convolutional neural

networks (CNN) for CIFAR-10 Object classification. About 29 members participated and were given hands on training.

GOA

The Sub-Centre observed **IETE Students' Day** at E&TC Dept, Goa Engineering College, Goa on 2nd Feb 2019. **Prof Ajit Saluki**, HoD, Mechanical Dept, Don Bosco College of Engineering, Margao-Goa, was the invited Guest Speaker for the day. **Dr H G Virani**, Sub-Centre Chairman, welcomed the gathering and informed various activities being conducted at the IETE Centre. The President's message was read out by **Prof Sonia Kuwelkar**, Sub-Centre Hony Secretary. Celebrations included conduct of a workshop on **"Graphical Programming with LABVIEW"**, coordinated by Dr H G Virani, Prof Amita Desai and Prof Devendra Sutar, Sub-Centre EC member. About 18 ISFs participants attended the workshop. Towards the end a quiz competition was organized and the winner, **Mr Stephen D'Costa**, BE/ETC and an ISF member, was awarded a cash prize of Rs. 300/-. Members of E&TC Dept, faculty, ISF members attended the sessions. The **Session 1** focused primarily on the versatile applications of Labview, and its usage to create different applications, that could be used at industry level. **Session 2** was the training session on the topics: Front panels, Block diagrams, Programming structures used in LABVIEW and creation of VI's in LABVIEW, DAQ and Case structures programming for controlling temperature of the room, controlling size of MEMS chip, signal generation and filtering. **Session 3** consisted of Programming using sub VIs, shift registers for industrial applications. **Session 4** included Real time data acquisition using a DAQ card followed by programming for the data acquired.

IETE Students' Day celebrated by E&TC Dept,
Goa Engineering College, Goa

HYDERABAD

• On the occasion of 72nd Independence Day celebrations, the Centre Chairman, **Prof A Ravi Kumar** hoisted the Indian tricolor at Centre's campus along with staff members.

• **Engineer's Day & IETE Day** was together celebrated at Dept of ECE of ISF, Guru Nanak Institute of Technology

(GNIT), Hyderabad, on 15th Sep 2018. The event was graced by **Prof A Ravi Kumar,** Centre Chairman, as the Chief Guest and **Prof V Bhagya Raj**, Chairman, IETE ISF, as Guest of Honour. The contributions of **Sir Mokshagundam Visvesvarayya** in the field of hydel energy in India were recollected and a tribute given for his great works towards the engineering fraternity. **Prof B Kedarnath**, HoD/ECE, highlighted the objectives of the IETE Students' Forums and enumerated number of activities organized under the banner by the ISF during the year 2017-18. Fun activities arranged on the occasion consisted: technical quiz, CIRCUITRIX and debate competitions, where about 80 students (ECE dept) participated. The efforts were appreciated by all.

• Dept of Electronics and Communication Engg, of Lords Institute of Engg & Technology, Hyderabad, organized a TechFest- ANIONS-2K18-19 on 10th Oct 2018 that witnessed inspirational speeches by the notables present on the occasion. This dignitaries included: **Dr A Ravi Kumar,** Centre Chairman, **Mr Syed Touseef Ahmed,** Vice-Chairman of LIET, **Mrs Rizwana Begum**, Secretary, LIET, **Dr S Altaf**, Principal LIET, **Dr Rajasree Rao**, Vice Principal, LIET, **Shri Parameshwar**, HoD/ECE and **Shri Bhagyaraju**, ISF Chairman.

• **8th Prof S Narayana Endowment Lecture** on "Advances in Radar and EW Antennas Systems" was delivered by **Dr Anil Kumar Singh**, Scientist & Dir DLRL, Hyderabad on 3rd Nov 2018. The eminent persons present on the occasion were: **Prof S Narayana,** DFIETE & Former IETE President; **Prof K Laxminarayana**, DFIETE; **Prof (Dr) KTV Reddy**, President IETE**; Dr K Jayashankar**, GC Member; **Dr V Gunashekar Reddy**, Former Vice-President IETE; **Shri K S Reddy**, former GC Member and **Prof A Ravi Kumar**, Centre Chairman. The overview of the programme was presented by **Shri Rajesh Kumar**, Centre Hony Secy. **Prof S Narayana** addressed the gathering very passionately. The members felicitated during the event include: Prof S Narayana, Dr Anil Kumar Singh and Prof

Dignitaries during 8th Prof S Narayana Endowment
Lecture at Hyderabad

(Dr) KTV Reddy. Dr K N Sahu, D r CV Narasimhulu, Prof V Bhagyaraju. All ISF Coordinators contributed collectively towards the success of the programme.

IETE AMITY NOIDA

The Sub-Centre celebrated **IETE Students' Day** on 7th Feb 2019. It started with reading out of the President's message for the day. The Sub-Centre, later, organized a quiz contest to mark the occasion and was arranged in three rounds. During the final round, top two winners from initial rounds were asked to speak extempore on the topic selected by the candidate himself for atleast three minutes. Top three selected candidates were rewarded while others were given consolation prizes. The event saw participation of about 70 students.

Student felicitation on IETE Students' Day at IETE AMITY Noida

KAKINADA

On the occasion of **IETE Students' Day** on 1st Feb 2019, the Centre organized a guest lecture on "Career Guidance & Opportunities in Public Service", by **Dr K Padma Raju Garu**, former Principal, Dir- Academic Planning, and Member- APPSE. Clarifying the importance of personality development in achieving goals, he suggested students to keep their aims and goals wider, without narrowing it to one area only. He emphasized the role of discipline, hard work and good health in attainment of one's goals. Other eminent personalities present on the occasion were: **Dr I Santi Prabha**, Rector, JNTUK, Prof/ECE and Centre Chairman; **Dr BT Krishna**, Prof/HoD and Centre Hony Secretary;

Winners with certificates

Dr B Prabhakara Rao, Programme Dir, Nanotechnology and Governing Council member; other faculty members and students. Other competitions like quiz, singing, sports (ball/volley ball) were also organized for students. After the addresses/talks by the dignitaries/speakers, winners were felicitated with prizes and certificates.

KANPUR

•   A lecture on **"Cyber Security"** was organized on 20th Jan 2019 by **Shri Rahul Gupta,** an expert in Networking, Linux & Security. **Er CP Varma**, Centre Chairman, after the welcome remarks, introduced Shri Gupta, the speaker. In his address, Shri Gupta discussed the effect of cyber threats on human life, types of cyber attacks, like-phishing, vishing, smishing, social engineering etc. and informed about available tools present on websites for help, *e.g.*- Find my device, Google timeline, Who is, Net craft. He also hinted at few counter measures to mitigate such attacks. About 10 members participated.

•   As last year, the Centre and Harcourt Butler Technical University (HBTU), Kanpur, jointly celebrated **IETE Students' Day** on 1st Feb 2019. The Chief Guest **Prof NB Singh**, VC, HBTU, Kanpur, in his address stressed on the need for bridging the gap between industry requirements and University curriculum. He lauded the steps taken by the Dept in the direction. **Er B K Karmakar**, Centre Past Chairman, was invited as the Guest of Honour for the programme. **Prof Krishna Raj**, HoD/ET, HBTU, keynote address on "Design and Implementation of Systems", simplified the concepts of designing, simulation, analysis and implementation in the engineering systems. The other speakers in the event were: **Er CP Varma**, Centre Chairman and **Er A K Jain**, Centre Hony Treasurer. About 200 members attended the event. Students participated actively in competitions, *viz.*, quiz, poster and paper presentations and winners were given prizes, awards & accolades. Vote of thanks was proposed by Er C P Verma.

IETE Kanpur Centre celebrates IETE Students' Day

•   **International Women's Day** was celebrated jointly by the IETE Kanpur Centre and IEEE, UP Section on

8th Mar 2019 at Dr Ambedkar Institute of Technology for Handicapped (AITH), Awadhpuri, Kanpur. A very motivation address was delivered by the Chief Guest **Dr Anubha Goel**, Dept of Civil Engg, IIT Kanpur, on the occasion. Quoting examples of successful women the speaker pointed out about other important parameters which contribute to a person's success. **Dr Sonia Agarwal**, AITH, Kanpur & **Er Arti Singh**, AITH, Kanpur were the keynote speakers for the event. Dr Agarwal spoke on various challenges present in life of an Indian woman, vulnerable conditions of majority of the women and other exploitaions. Whereas, Er Arti Singh also mentioned about number of international and national women personalities and urged on collective endeavours to ward off inequality and insecurities. The girl students of AITH, Kanpur, enacted a play based on discrimination of girls in providing education in higher arenas. About 90 members attended. Vote of thanks was proposed by **Dr Pragya Agarwal**, Centre Hony Secretary.

International Women's Day celebrated jointly by IETE & IEEE, Kanpur

KOCHI

The Centre conducted a **Women Empowerment Programme** on 14th Feb 2019 at Govt Model Engg College (MEC), Trikkakara, Cochin, where the gatherimng was extended a warm welcome by **Dr MV Rajesh**, Centre Vice-Chairman and AP/EC/MEC and ISF coordinator. **Capt Radhika Menon**, the 1st woman captain in Indian Merchant Navy was the Chief Guest for the day. **Dr R Gopikakumari**, Centre Chairperson, exchanged views on the changing behavioural trends and outlook of young girls and boys. She applauded the women empowerment status in Kerala that was ahead of their counterparts elsewhere in the country. **Dr Vinu Thomas**, Principal/MEC, pointed out the male domination aspects still present in today's scenario, vide his address. He also quoted few examples on grant of promotions in academic circles. He advised students to learn from experiences of professionals and avail opportunities being provided from various platforms. They can increase their self-confidence besides learning from regular academics. A video on the Chief guest- the recipient of the IMO Bravery Award was presented, covering the rescue

operation performed by Capt Menon herself to save the lives of seven fishermen who were hit by cyclone in Bay of Bengal. Another clip receiving the award during IMO Award ceremony was also shown. **Shri C Krishnakumar**, Centre Hony Secretary and **Prof (Dr) Laila D**, HoD/Electronics, MEC, also addressed the gathering. IETE Kochi presented a memento felicitating Capt Menon after her address. The Chief Guest spoke of her childhood dreams, her struggles & achievements towards being the first woman Radio Officer in SCI and subsequently a Captain of a Merchant Ship, in her address. She debated on various aspects of women empowerment, mind-sets of Indian woman and encouraged them to break free from inhibitions and taboos to achieve theor goals, recommended students to choose adventurous careers complimenting their attitudes. Another keynote address on 'Women Empowerment-Kerala Scenario' was by **Dr Mary Matilda**, Former Principal, Maharajas College, who expressed her views on gender discrimination and emphasized on resetting of norms with the changing times. Dr Matilda advised men and women to share their works equally in all walks of their lives. She showed a video of a new-gen turtle and rabbit competing in a race, ending both as winners with the changed rules. Her talk was well received. **Prof Vineetha George**, Assoc Prof/ECE, MEC and IEEE SB Branch Counselor, felicitated the members. Vote of thanks was proposed by Dr CD Suriyakala, Centre Hony Treasurer. The event witnessed attendance of around 200 participants including Corp members from Kochi Centre, faculty and students of ISF MEC and students from neighbouring engg colleges.

Dr Rajesh, Vice Chairman welcoming the guests (L → R): Prof Dr Laila D, Capt Radhika Menon, Dr R Gopikakumari, Dr Vinu Thomas (Principal, MEC), Dr Mary Matilda and Dr CD Suriyakala

KOZHIKODE

• The Sub-Centre organized a seminar on **"Interview Techniques and Computer Job Opportunities"** for final year BCA students of Global Arts & Science College on 24th Jan 2019. The 1st session on Job Interview Techniques was handled by **Shri Swaradh P**, HoD/CSE&IT, KMCT CE, where students were given a clear idea on expectations in an interview for a job, They were told bout how to prepare

their resumes, significanve of a well dressed candidate, body language etc. The speaker also shared and discussed various common and tricky interview questions and the ways to handle them. In the 2nd session, **Prof Pratap G Nair**, Chairman IETE Kozhikode Sub-Centre, informed on various computer job opportunities available in and out of Kerala and helped the students with their doubts on nature of IT job roles during an interactive session.

• A two-day hands-on-workshop on **Internet of Things (IoT)** was organized by the Kozhikode Sub-Centre at KMCT College of Engineering (KMCTCE), Kallanthode, Kozhikode, under the supervision by IETE Palakkad Centre on 25th-26th Feb 2019. It was inaugurated by **Shri CK Haridas**, Founder Chairman IETE Palakkad Centre & present Governing Council. The welcome address was delivered by **Dr Sabiq PV**, Centre Vice-Chairman. Other notable speakers were: **Prof (Dr) Ranjith C**, Principal, KMCTCE and **Dr P Janardhanan**, Centre Past Chairman. The **1st session** started with a keynote lecture on Basics of IoT & World getting connected through IoT concepts. It provided insights on IoT applications for smart home, smart lights etc. Participants were provided IoT kit for hands on session. Basic concepts of embedded and IoT programming was taken up by **Shri Suresh P**, the expert faculty in the **2nd session,** which continued with hands on training on IoT, where each team was provided a CC3200 launch pad and desktop computer/laptops. After the introductory class on programming, participants were given training in coding for blinking LED with a time delay. **3rd session** on 26th Feb 2019 started with an introduction to microprocessors and microcontrollers and analog Vs digital systems. Later, a program was executed to convert randomly generated analog values into digital values and upload of this code onto the launch pad. During the final **4th session,** more programs were executed, giving insight to students on various possibilities and applications on IoT. This was followed by the valedictory function and distribution of certificates by Prof (Dr) Ranjith C. About 47 students participated during this workshop. Vote of thanks was proposed by Shri Swaradh, AP/KMCTCE.

• The Sub-Centre with the Women's Cell of Anti-Harassment Women Committee, KMCT College of Engineering, Kozhikode, celebrated **Women's Day** on 8th Mar 2019, and the event was inaugurated by the hands of **Ms Ramya Haridas**, Kunnamangalam Block Panchayat President. She motivated the gathering with her serious address laced with humour. An official logo was released during the inaugural session by the Chief Guest and **Dr P Janardhanan,** Past Sub-Centre Chairman. The event was presided over by **Dr Sabiq P V**, Sub-Centre Vice-

Chairman. A talk on **'Women Empowerment'** by **Ms Aji R**, District Co-ordinator of Vidyalaya Jagratha Samithi, was arranged, wherein the speaker emphasized on taking small but concrete steps towards achieving gender equality in all spheres. She advised everyone to be the leader within one's own spheres and to work towards equality. A short film and some videos, highlighting importance of allowing girls to follow their dreams were displayed. A silent prayer was offered in remembrance of innocent rape victims like Soumya, Aziza, Jisha etc., who were the victims of gruesome acts and injustice. The afternoon session was packed with games and cultural events like, VIRAGO, Treasure Hunt, Dumb charades, Memory Quiz plus other games that were both for staff and students. The winners were honoured and HoDs felicitated. Various songs were sung by the students as fillers in between the programme that added to its grandeur.

Women's Day celebration at Sub-Centre with KMCT College of Engineering, Kozhikode

MHOW

• A quiz competition was organised by IETE Sub-Centre on occasion of IETE **Students' Day** on 1st Feb 2019 at Batra Hall, Raman Block, Faculty of Communication Engineering, MCTE, Mhow. Total of five teams including 10 students's officers participated in the competition that was conducted in three rounds. The programme was arranged for the student's officers undergoing BTech & Advance Course in Communication & IT subjects.

• The Sub-Centre was visited by 63 students, faculty members from Chameli Devi Group of Institution, Indore & Acropolis Engg College, Indore, on 4th Apr 2019. **Lt Col A Bhardwaj**, Sub-Centre Hony Secretary and **Prof (Dr) Rajesh Bodade**, member of IETE Sub Centre, extended warm welcome to the students. The visitiors were enlightened on the background, environment, surroundings, aims 7 objectives of Institute of Military College of Telecommunication Engineering, Mhow. Various labs: Convergence Switching Technology Lab; Digital Communication & Digital Signal Processing Lab; OFC Lab; Mobile Communication Network Lab; SatelliteLab and Thin Film Lab were shown to the students. **Sub VD Desai, Sub Ramakrishnan** and **Lab Asst Ashish Tripathi**

briefed the visitors on lab infrastructures of Raman Block. They were shown demonstrations inside the labs of Artificial Intelligence & Robotics; Data Centre and Computer Aided Training (CAT) and taken to Cadets Training Wing (CTW) to show training facilities and to the Motivation Hall of CTW. Refreshments were arranged for all the vising students.

Students visiting IETE Mhow Sub-Centre

MUMBAI

• The **Industrial training & Internship program** on Python & IoT for winter session was held during Dec 2018 – Jan 2019.

• **8th Dr PB Parikh's Endowment Lecture** was organized at Rajiv Gandhi Institute of Technology (RGIT), Andheri, Mumbai on 12th Jan 2019 amidst the august gathering. Distinguished personalities present on the dais were: **Dr PB Parikh** the Chief Guest; **Dr V N Yelgaonkar**, Sr Manager, BRIT; **Mrs Sulochana Parikh**; **Shri Kartik Parikh**, IETE GC member; **Shri S Chapaneri** and **Prof (Dr) S Thakur**, Centre Chairman. Prof Thakur gave an

During 8th Dr PB Parikh's Endowment Lecture

overview of the programme. Dr Yelgaonkar chose to speak on advanced nuclear techniques used for societal benefits. 8th Dr P B Parikh's Endowment Lecture on "**Advances in Machine Learning**" was delivered by **Shri Chapaneri**. On the occasion a very passionate and heartfelt speech was made by **Dr Parikh,** making the occasion very special**.** To conclude, Centre Hony Secretary, Shri Parag Walinjkar proposed vote of thanks. Prof SD Deshmukh, HoD, Prof SD Patil, Centre EC member, Prof Surendra Sutar, ISF Coordinator, IETE Sr Fellow members and RGIT staff contributed towards the success of the program.

• The Centre in association with ISF, Vidyavardhini's College of Engineering and Technology (VCET), Vasai, Mumbai, organized a programme by name of **Oscillation 2K19** on 21st Feb 2019. The concept and guidelines for the event were briefed by **Dr Vikas Gupta**, Centre Hony Treasurer and HoD-VCET. **Dr Harish Vankudre** Principal, VCET presented the overview of existing scenario of the competitive world. **Shri Joby George**, Addl Vice-President, Adani Electricity, Mumbai, inaugurated the event and later spoke on "Role of Modern Electronics in Predictive Maintenance of Equipments". Queries were taken up after the talks. IETE members, ISF coordinators and about 131 students from various nearby colleges attended the programme. **Prof Shaista Khanam**, VCET, proposed vote of thanks.

NAGPUR

On this occasion of **International Women's Day,** a seminar-cum-workshop was arranged on 12th Mar 2019. The invited Speaker, **Shri Mahesh Rakheja**, a Startup Entrepreneur from Nagpur, spoke on **"Cyber Security**. In his address, he outlined the nitty-gritty of safety facets in mobiles, password security, advantages and flip side of social networking & precautionary measures required for applications like whatsapp, facebook etc. He educated the participants on safe digital transactions and important do's and don'ts of the cyber world. An advisory circulated on the occasion read- Stop adding strangers on Facebook and

Speaker making a point

stop posting everything about your life on Facebook". The participants were advised to avoid posting their children's pictures as profile pictures. Prof Pallavi Tanksale, Centre EC member proposed vote of thanks. **Dr B P Joshi,** Centre Chairman, presided over the function.

NASHIK

• The Sub-Centre organized a one-day workshop on "**Advance Microsoft Excel**" by **Shri Ashok Sindkar**, Dept of E&TC, Karmaveer Adv Baburao Ganpatrao Thakare College of Engineering & Corporate Trainer, Microsoft certified, on the occasion of **IETE Students' Day** held on 1st Feb 2019. **Dr V M Birari**, HoD/E&TC, welcomed the speaker and the gathering. The workshop covered some basics and advance techniques topics of excel software like Formula writing and evaluation, use of '$' (Dollar) sign, lookup, chart, pivot table, etc., and it was informed that such valuable information would help save 20% to 40% working time and make the work errorless. ISF coordinator, **Shri B N Shinde** along with ISF student's President, Shri Siddhant Joshi; Vice-President Shri Amol Dakhiphele & Secretary, Shri Patik Pawar, contributed collectively towards the success of the programme.

• Under the Computer Forum of CS Dept, KK Wagh Senior College, Nashik, an event, **e-Merge 2019** was organized jointly on 6th-7th Feb 2019. **Shri Mayur Kulkarni**, CEO, Webvision Technology, Nashik, also a college alumnus, inaugurated the event. Addressing the students, he shed light on the basics of cybercrimes and motivated the crowd undertaking start-ups. Talking of corporate culture, recent trends in IT, he made them aware of working ways in IT industry. Welcome address was given by **Dr A P Rajput**, College Principal. Highlighting the activities being performed under computer forum dept, **Prof A H Bendale**, HoD, shared details of last year e-Merge activities with the participants. Different competitions held on the occasion included**: Poster & Model Competition** with 70 participants. Prof Sandhya Borgaokar & Nimisha Gujar were the judges for this event, while winners announced were- Veena Parate & Aarti Mandik (1st); Shivani Mewada & Sakshi Mule, Janhvi Jadhav & Nayan Wagh (2nd); Waris Sayyed & Deepak Kumawat, Anuja Dabhade & Piyush Chaudhari were declared on the 3rd position. In the **Model competition,** the winner was Nachiket Bhadane. In **PPTs presentations** and **Short Films** presentations, around 50 students participated. Prof Purushottam Chavan, KKWEC, Nashik, performed as the judge. **Website designing using HTML** competition contributed in creating awareness on programming development. Shri Nilesh Sonawane, CEO, YSM Software, adjudged the competition participated by

39 students. In the **Programming competition**, Prof Leena Mahajan, RYK College & Prof Sheetal Deshmukh, Dept of IT, K K W Engg College evaluated the entries of students. **Group discussion /Debate Competition** had 35 students in 7 groups, judged by Ms Rucha Deshmukh, HR Manager, WNS Nasik, on the topics- Health-wealth-Money, Impact of social media on youth, Youth power towards world etc. **Counter strike game competition** was arranged with 55 students (11 groups) with the judge, Shri Sohanlal Gour, an alumnus. The programmes were appreciated by all.

Participants from e-Merge 2019

• The **SAT-COM Lab** at Dept of Electrical, Guru Gobind Singh Polytechnic, Nashik, was inaugurated on 28th Feb 2019 for skilled, qualified professionals in the field of Satellite Communication with an aim to reduce exiting gap between theoretical knowledge & actual practical works. **Shri Nitin Mahajan**, Sr GM, BSNL Telecom, Nashik & **Shri Krish Mehkarkar**, CEO, ISTC Pvt Ltd, Pune, were the distinguished speakers present during the event besides **Shri Permindur Singh**, CEO, **Prof S R Upasani**, Principal, Coordinator **Prof S M More** and staff & student members.

• The Sub-Centre organized an event- **Telekinesis 2019** on 23rd Mar 2019 at the Dept of E&TC, KKWIEER, Nashik, headed by **Prof (Dr) D M Chandwadkar**, HoD/E&T and Sub-Centre Chairman. **Shri Sallel Raje**, CEO, ESDM Technology Pvt Ltd, graced the event as Chief Guest. Event was guided & supported by **Shri Swapnil Joshi** and **Shri Akash Chumbhle**. **Prof S V Shelke**, **Prof P P Patil** and **Prof S A Zalte** from E&TC dept coordinated the event. Student co-ordinators, in attendance were: Shri Amar Mundhekar and Shri Suryakar Hiwale. The technical events organized on the occasion included- Project competition, poster presentation, technical quiz competition, C programming and recruitment spark, to enhance technical skills amongst participants. More than 650 participants, from various places across Maharashtra, attended the event. The judges invited were from various industries and colleges, that evaluated the results. The programme was assisted by the sponsors, namely- Joshi's Classes, DNA Solution, ELC, Nashik, GATE Forum, YASH Capacitor, Cognifront YASH Technology, Nashik. The program ended with prize

distribution ceremony, wherein winners were felicitated by **Dr K N Nandurkar**, Principal, KKWIEER.

PALAKKAD

• A one-day workshop intended for engg students on **"Hardware Implementation of MPPT for Solar PV Systems"** was inaugurated by **Prof (Dr) V Devi**, Chairperson; **Shri C K Haridas**, IETE GC Member & Founder Chairman; **Prof N Leena**, Workshop Coordinator; **Shri B Suresh Kumar**, Hony Treasurer and **Shri P Suresh**, Centre Manager, on 18th Dec 2018. The welcome address was presented by by Prof N Leena. The Chairperson, Prof (Dr) V Devi, referred to the present day trends and necessity of such learning in today's scenario. Shri C K Haridas motivated students to participate in various technical activities, like attending workshops, seminars and conferences to update technical skills in relevant working domains and to shun their inhibitions. He encouraged participants to innovate cost-effective, user-friendly and marketable ideas. The theory & practical classes for MPPT designs were conducted by **Mr Aslam**, the resource person. Doubts were cleared during the interactive session. The conduct of such informative wotkshop won the appreciations & accolades of **Shri T S Subi**, HoD, College of Applied Science, Vadakkencherry; **Ms M Smrithi Lakshmi**, the first rank holder of EEE/Calicut University; **Ms Swathy Suresh**, from Kannur. Valedictory session witnessed distribution of certificates to the participants. **Shri B Suresh Kumar**, Centre Hony Treasurer, wrapping up the programme, proposed vote of thanks.

• The hands-on-workshop on **IoT (Faculty Development Programme)** was arranged at Al-Ameen Engineering College, Shornur, during 16th & 18th Jan 2019, with the resource person, **Shri P Suresh**, Centre Manager and Faculty member. The programme was sponsored by Kerala Technological University, for the staff members of engineering colleges.

• **4th** Annual Engineering Students' Convention (ESC2k19) together with **Students' Day** celebration was organized on 2nd Feb 2019. This included events like Paper presentation contest, Idea Contest and Quiz competition with active participation of more than 100 students from nearby engineering colleges. Chairing the convention, **Prof (Dr) V Devi**, Centre Chairperson, brought forth the activities being undertaken by the Centre and informed about an opening up of a new ISF at NSS College of Engineering. The convention was inaugurated by **Prof (Dr) K K Sasi**, Amrita Viswavidyapeetham, Deemed Univ, Coimbatore. Delivering a keynote address on "Disaster Management: The Role of ICT", he explained the various

ICT protocols, standard developments in the field. Issues in smart cities, Power grids, Dam control, Water supply systems etc. through sensor networks and cyber system were also discussed. He called for the creative indigenous efforts from students and researches. **Shri C K Haridas**, IETE GC member, distributed certificates, cash awards to the competition winners. **Mr Shaik Sheriff**, IIT Chennai, **Ms M Abhirami**, NSS College of Engineering Palakkad and **Shri K R Thejas**, Al-Ameen College of Engineering, Shornur, werethe winners of the competitions, namely Paper Presentation, Quiz and Idea contest, respectively. **Prof (Dr) K Geetha**, Immdt Past Chairperson; Shri Beji K Mathew, Hony Secretary; Prof N Leena, EC member and Shri B Suresh Kumar, Hony Treasurer, also addressed the audience.

IETE Palakkad Centre celebrates the 4th ESC2K19 & the Students' Day

• A seminar organized on **"Women Empowerment & Social Justice"** at College of Applied Science, Ayalur, on 6th Mar 2019, was presided over by **Shri Beji K Mathew**, Centre Hony Secretary and the College Principal. The keynote address by **Smt Beena Govind**, Sub-Editor, Mathrubhumi Daily, Palakkad, had the touches of the experiences of life of Sudha Murthy, the philanthropist and the Chairman of Infosys Foundation, sheding light on some of the prevailing biases in the society. The speaker exhorted the students to undertake general responsibility towards the cause of humanity and advised not to keep prejudices on caste, colour and creed and to rise above narrow confines of their individualistic concerns towards the broader ones in order to be better citizens in life. Shri **C K Haridas**, GC member, **Ms S Sleena**, **Ms Renji** and Ms Emlyin were the other speakers on the occasion.

• Another seminar was organized jointly with Femmuara of Al Ameen College of Engineering, Shornur, in connection with **International Woman's Day** on 8th Mar 2019 on the topic **"Gender Equality & Women Empowerment"**. This was inaugurated by **Smt V Vimala**, Shornur Muncipal Chairperson and presided over by **Dr K Geetha**, Immdt Centre Past Chairperson & College Principal. **Dr Shakeena Rehman**, Former Dy Dir of College Education, delivered

the keynote address. **Prof Bindu**, HoD/EEE & Femmura co-ordinator, welcomed the gathering. The theme of the day was decided by IETE representatives **Dr V Devi**, Chairperson, **Shri C K Haridas**, GC member, College representatives Kammurudheen, Beeran Haji and Mujeer. Vote of thanks was offered by Ms Nisha. Programmes namely, "Mega Thiruvathira" and Flash Mob were organized, in this connection by the students and teachers.

• A one-day hand-on-workshop for ISF students was organized on "**Electric drivers for Electric vehicles**" on 30th Mar 2019. **Shri CK Haridas** inaugurated the event. **Dr V Devi** in her address shed light on major factors, viz, batteries and drivers affecting the growth and development of electric vehicles. Resource person-**Mr Mohammed Asalam**, CEO, InQbe Innovation Pvt Ltd, Kochi, gave an overview of the subject. Shri Ashwin CS, ISF Chairman, proposed vote of thanks. Mr Mohammed Asalam conducted another hands- on-session for speed control on electric vehicle drives. Participants actively participated in the feedback session of valedictory function. Both Dr V Devi and the resource person answered the queries tossed to them. Certificates were issued followed by Ms Anuja S, Secretary, ISF NSSCE, Palakkad, who also concluded the programme with the vote of thanks.

PUNE

• The Centre celebrated **IETE Students' Day** with the Dept of ETE, ISF,All India Shri Shivaji Memorial Society's Institute of Information Technology, Pune on 1st Feb 2019. On this occasion an expert talk was arranged on **"ERP Software Solutions for Manufacturing Industries"** by **Shri Shrikant Kulkarni**, College of Engineering, Pune & Industrialist. Shri Kulkarni shared his experiences on automation and use of ERP software for reports management. He motivated students to develop their learning attitude. **Shri Kishor Shende**, Centre Chairman and **Prof S K Khedkar**, Mentor, Western Zone, present on the occasion also addressed the participants.

IETE Students' Day celebrated at IETE Pune Centre

• The programme of **International Women's Day,** organized at Dept of E&TE, ISF All India Shri Shivaji Memorial Society's (AISSMS) IOIT, Pune, was graced by **Dr PB Mane**, Principal, AISSMS IOIT, as the Chief Guest on 8th Mar 2019. A talk was arranged on "**Woman Health Awareness about PCOS"** by **Dr Leena Tathe**, MBBS and DGO Science, Karad, marking the occasion. Through her address, the speaker tried to create awareness on the symptoms and precautions of PCOS and hygiene routine for women. Another speaker **Mrs Prerana Bhuskute,** Yoga Teacher, Itanagar Institute of Yoga, Pune, spoke on the benefits of yoga to gain healthy body. Activities like women sports competition, tug of war, carrom, table tennis and rangoli were also organised. Later, the prize distribution ceremony for already held nationwide competition was organized by International Complaint Committee (ICC) intended for students studying laws related to woman act and sponsored by the Mahila Ayog. The college donated some clothes to the needy women under national service scheme. **Shri Kishor Shende**, Centre Chairman and **Prof S K Khedkar**, Mentor, Western Zone, present on the occasion, also presented their views to the gathering. Other dignitaries present were- **Shri CV Mahadevan**, Centre Past Hony Secretary, **Shri Atul Joshi**, Centre Hony Treasurer and **Shri G K Dawara**, Centre Immdt Past Chairman.

RAJKOT

• The Centre & INS Valsura- an organizational member from IETE Rajkot Centre, jointly organized a technical lecture on "**Spectrum Zoom Processing Based Target Detection** and **Wireless Networks for Defense Applications"** on 7th Dec 2018 in two sessions. **Comde C Raghuram**, VSM, Commanding Officer, INS Valsura Jamnagar, graced the occasion as the Chief Guest. The keynote address by **Dr KMVV Prasad**, AP/EC, School of Engineering, RK Univ, Rajkot, was on "Spectrum Zoom Processing Based Target Detection" while **Dr Arjav Bavarva**, Assoc Prof, Dept of EC, School of Engineering, RK University, Rajkot, dwelled on "Wireless Networks for defense applications". The programme was live and interesting. Er CM Devani, IBS (Retd), Centre Founder Chairman and Er SM Suchday, Centre EC member, also addressed the students. After the session, mementoes were presented by **Capt PK Yaduvanshi**, INS Valsura Jamnagar and vote of thanks was proposed by **Lt Cdr Aravin Manikandan**, INS Valsura.

• **IETE Students' Day** was organized on 2nd Feb 2019 after due publicity. In this connection, a visit to Amul Dairy was organized with about 40 members. Deputy Marketing Manager of the dairy, Shri Joshi was kind enough to give time and guide everyone to all sections of the plant

explaining auto functioning and linkages of one section to another, processes involved in auto filling of milk packets of different quantity/quality, with/without fats, available in the market, *etc*. Students posed many questions and were answered patiently by Shri Joshi. Making use of the opportunity, Er CM Devani, took on to explain technical activities of the institution to the dairy plant authorities. Later, on reaching back to the Centre, a review meeting and a group discussion was held. The students were encouraged to join more such kind of trips, technical visits to increase their general knowledge by Dr H N Pandya, Dr R D Mehta & Dr Atul Gonsai. The message from President IETE was read out by Shri Brijesh Mehta, IETE Corp Member, during the event.

A visit to Amul Dairy

• The Centre organized a two-day workshop-cum-seminar on **Computer Awareness and Digital Transaction, o**n the occasion of **International Women's Day** on 8th-9th Mar 2019. **Dr H N Pandya**, Chairman IETE Rajkot and **Er CM Devani,** IBS (Retd) Founder Centre Chairman, were the notables present during the event. On the first day, a lecture on **Computer Awareness** by **Shri Jatin Savaliya**, AP/Electronics, Saurashtra University, was delivered with the help of a multimedia projector. Next day **Dr Raviraj Vaghela**, AP/MCA, RK University, Rajkot, chose to speak on **Digital Transaction,** explaining: online money transactions, netbanking, online purchase etc for different standard applications through live demonstrations. This

International Women's Day celebrated at IETE Rajkot Centre

was followed by an interactive session from **Mrs Sarlaben Vaghela,** who thanked the Centre, on behalf of students for conducting such useful activities for women empowerment. About 35 women participants were given the participation certificates. Dr Rahul Mehta, Centre Hony Secretary & Er S M Suchday, EC member, encouraged women to participate and attend such informative programmes in more numbers. Vote of thanks was proposed by Dr Atul Gonsai, Centre Hony Treasurer.

SHIMOGA

• The Centre organised a one-week workshop on **DSP and Image Processing through Machine Learning,** in association with ISF, Dept of ECE, Jawaharlal Nehru National College of Engineering (JNNCE), Shimoga and Indian Society for Technical Education (ISTE), New Delhi**,** during 8th-12th Jan 2019**.** The eminent personalities gracing the occasion were **Dr Ashok Rao**, Former Head, Network Project, CEDIT, IISc Bangalore, the Chief Guest and **Shri S N Nagaraja**, Secretary NES, the Guest of Honour. Other dignitaries included: **Dr L K Sreepathi**, Vice-Principal and **Dr H R Mahadevaswamy**, Principal, JNNCE, Shimoga, who presided over the function. **Dr P Manjunatha**, Centre Chairperson and Prof & HoD/EC, convened the workshop that provided a platform for faculy, researchers and technologists for their better understanding of concepts of Pattern Processing, Machine Learning, Mathematics of Machine Learning, Convolutional Neural Network and Deep Learning Techniques & applications to help solve complex engg problems. Time slots were arranged according to the topics to adjust hands-on-sessions as well. Resource persons from distinguished research institutes, industries and colleges, shared their knowledge and gave practical sessions. The workshop was beneficial for all participants and was well received.

• One week **Student Development Program (SDP)** on "Building Smart Things by Leveraging IoT Technology using NodeMCU and Raspberry Pi" was held in association with JNNCE, Shimoga, during 28th Jan-1st Feb 2019. About 40 participants from nearby engg colleges attended. **Dr Manjunatha P**, Centre Chairperson and HoD/ECE, the Organizing Chair and Abhijith N, Pradeepa SC and Shwetha H R, AP/ECE, coordinated the programme, with the help of students. Dignitaries present on the occasion were: **Shri AT Kishore**, SM IEEE, CEO, Vidya Sangha Bangalore; **Shri AS Vishwanatha**, President NES; **Dr HR Mahadevasamy**, Principal, and **Dr LK Sreepathi**, Vice-Principal, JNNCE. Addressing the gathering, **Shri Kishore** pointed out the challenges present in the field and the needs for its mitigation. First day witnessed **Dr Manjunatha** P

taking a session on Basics of NodeMCU and its applications followed by hands on session conducted by **Shri Benak Patel MP**, AP/TCE, JNNCE. **Shri Chethan KR**, AP/CSE, JNNCE, conducted the session on Linux OS & its commands. **Shri Raghudathesh GP** and **Shri Raviteja B**, AP/ECE, GMIT Davangere, gave hands-on-session on NodeMCU, Raspberry Pi, on the second day. Discussions were held on configurations of NodeMCU (posting update: E-mail, twitter, facebook), Blynk mobile IoT, implementation of IoT protocol MQTT on NodeMCU. Accessing electrical appliances from a remote website connected to NodeMCU, hosting and accessing a professional website on NodeMCU, uploading multiple analog sensor values to adfruit cloud service from NodeMCU were also taken up. On 30th Jan 2019, discussions revolved around the Introduction to Raspberry pi and Python Scripting Language, followed by the session on Interfacing sensors and Actuators. On 31st Jan 2019, **Shri Raghudathesh**, explained about Interfacing sensors, Actuators with Raspberry pi. Post-lunch, the session was devoted to Building Amazon Alexa on Raspberry pi, Agrisense using R-Pi and Mosquitto Cloud service. Next day, *i.e.* on 1st Feb 2019, **Shri Shreepathy HV**, AP, Dept of Embedded Systems, SOIS Manipal, discussed the installation and configurations of Private cloud, Introduction to open stack private cloud, setting ups, project creations and security groups, followed by connecting the devices to IoT. Valedictory session had dignitaries, namely **Shri S Nagaraja**, Secretary NES, Shimoga, **Dr HR Mahadevasamy**, Principal, **Dr LK Sreepathi**, Vice Principal, JNNCE and **Dr Manjunatha P**, HoD/ECE.

Student Development Program in progress

• In connection with the **International Women's Day** celebration, the Centre and ECE Dept of JNNCE, Shivamogga, organized a one-day seminar on "Women Health Awareness programme" on 26th Feb 2019, under Swasth Bharath Scheme. The event was inaugurated by the Chief Guest **Dr Purushottam Pradeep**, CEO, Indo-Asia Cervical Cancer Prevention Wing, and the resource person as well. **Dr H R Mahadevaswamy**, Principal JNNCE and the Convener, presided over the programme.

Dr P Manjunatha, Centre Chairperson was also present. Addressing the gathering, Dr Purushottam explained about the symptoms of cervical and breast cancer and early measures to detect and prevent these. Dr Mahadevaswamy advised making use of improved technologies in such treatments..

SIVAKASI

• A **Blood Donation Camp** was organized in association with National Service Scheme (NSS) of Mepco Schlenk Engineering College (MSEC), Sivakasi and Rajapalayam Govt Hospitals, on 15th Dec 2018 with the help of NSS Program Officer, **Shri C Uthranarayan** and **Shri M Sankar** of MSEC. About 182 students including 30 girls participatedin this camp and donated blood voluntarily. **Dr N Vijaya Perumal**, Rajapalayam Govt Hospital, and team of nurses from the Rajapalayam and Virudhunagar Govt Hospitals, supervised the camp. Certificates were distributed to the donors. **Dr S Arivazhagan**, Principal, presided over the programme.

Blood Donation Camp held at the Centre

• The **4th Techno Blaze** for the academic year 2018-2019 in the form of Lecture-cum-Group discussions was conducted on 17th Jan 2019 at Dept of ECE, MSEC, Sivakasi, wherein the participants were extended warm welcome by **Dr T Sabapathi**, Centre Hony Secy. On the occasion, **Shri C Kalyana Sundaram,** AP/ECE, MSEC, expressed his views on **'Neural Sensory Pathways'** and explained bio-signals. Significance of EEG signals was highlighted. **Dr G Indumathi**, Centre Chairperson, proposed vote of thanks concluding the programme, which was attended by around 30 members.

• **IETE Students' Day** was graced by **Dr D Selvathi**, Sr Prof/ECE, MSEC, as the Chief Guest on 30th Jan 2019 and was organized in association with MSEC, Sivakasi. Message of the day from President IETE was read out by **Shri S Sreenivas,** Secretary-ISF. Coordinating efforts were put in by ISF incharges, namely, **Shri A Kamaraj,** AP/ECE and **Mrs V Gnanalakshmi**, AP/ECE. Various activities were performed on the day, which include -technical

paper presentation, circuit debugging, dual cruncher, quiz and best manager. In the paper presentation activity, 15 technical papers in trending domains of E&T, were presented and adjudged by **Shri Dani Reagan Vivek,** AP/ECE. Winners in 1st position were: **P Gobila Karunya** and **N Nivethitha** while **K Ramya Lakshmi** & **T Lekhaa** won 2nd position and **P Prabhavathy** & **Ms V Pradeepa** stood at 3rd position. Proving their brilliance in **Quiz**, student winners were **Melavasagam S** and **Abdul Rahuman M** and the runner-ups included **Lingesh S** and **Yaswanth K.** In **Circuit Debugging** activity, 1st position was bagged by **Gobila Karunya P** and **Nivethitha N,** proving their leading edge knowledge in technical skills. **Nithish Kumar G & Rajkrishna** and **Iruthaya Kevin Kumar & Seenimadhavan,** stood at 2nd place. In **Dual Cruncher**, winners were **Harini J & Abirami M (**1st place) and **Keerthi Raghavi R & Nanthini M (**2nd place**)**. For **Best Manager Contest, Deeptha Sakthi** was the winner for her pioneering skills. In valedictory function certificates were distributed to all winners followed by vote of thanks.

• A two-day technical seminar on **IOT in 5G Wireless Communications** was successfully organized during 1st-2nd Mar 2019 with participation of about 49 students from six different engg colleges of Tamil Nadu and Bengaluru. Initiating the inaugural session, **Dr T Sabapathi,** Centre Hony Secretary, delivered the welcome address. **Dr R Shantha SelvaKumari**, Centre Past Chairperson, presented the inaugural address. Seminar was spread over eight technical sessions. Dr Selvakumari, Sr Prof & HoD/ECE, MSEC, handling the 1st session on "IoT and its Applications" inspired participants with her easy explaination of concepts along with practical examples. In the 2nd session, **Shri J Dani Reagan Vivek**, AP/ECE/MSEC, deliberated on the topic titled, 'IoT Building blocks & its Architecture'. He explained about functional blocks and communication models. 3rd session by **Dr J Senthil Kumar,** ASP/ECE/MSEC, was on '5G Networks for IoT: Communication Technologies and Challenges'. He recounted on the Low power WAN for IoT applications. **Dr J Senthilkumar** took on to express his views on '5G Networks for IoT'. Audiences were enlightened on the discourse in communication technologies and a video presentation on smart parking of a car. Hands-on-session of 4th session was handled by **Shri G Sivasankar**, AP/ECE and **Shri V Arun Raj**, AP/ECE/MSEC. They impressed the audience with demonstrating simple Wifi link to the CC3200 kit. On 2nd day the 5th session began by the addresssd of **Dr J Rajasekar**, ASP/CSE, who spoke on 'IoT in Video Processing'. He described the practicability of noting down the college buses crossing main gate of Mepco

College and creating entries in the log book. The 6th session was again the hands-on-session on 'IoT Cloud', handled by **Shri G Sivasankar**, AP/ECE, and **Shri V Arun Raj**, AP/ECE/MSEC. while next session was conducted by **Dr J Senthil Kumar,** who expanded on 'Security Enhancements in 5G networks for IoT applications'. He shared the forecast for IoT by 2020. The last but not the least, session was all about Raspberry Pi and was well received by the participants. During valedictory function, certificates were issued by Dr G Indumathi and Dr T Sabapathi to the participants.

Participants of the Seminar

• **Women Empowerment Programme** on "Women in Engineering" was inaugurated on 8th Mar 2019 at ISF, MSEC, Sivakasi, by **Dr G Indumathi**, Centre Chairperson. The programme started with a motivational talk of **Shri SNN Sivapiran**, Civil Engineer & Soft Skill Trainer, and Certified International Trainer- JCI University, USA. Talking on the theme- **Think equal, build smart, innovate for change,** the speaker advised participants practicing in just thinking, gender equality and on women empowerment plans, designs, schemes, projects, proposals, purpose, end, goal etc. particularly in the areas of social protection systems, access to public services and in receiving sustainable infrastructures. **2nd session** included events like, Get Set Act; Connections; Magnify In & Out and Poster Making, including one more motivational guest talk. Valedictory session was presided over by Dr G Indumathi followed by a feedback session and prize distribution ceremony.

• The Centre inaugurated a new ISF Unit at MIET Engineering College, Trichirapalli on 27th Mar 2019 by the hands of **Shri C V Vinod**, Principal GM, BSNL, Trichirapalli, the Chief Guest. **Er A Mohamed Yunus**, Chairman; **Dr X Susan Christina**, Principal and **Dr T Karthikeyan**, Director (P&D) of the College, were the other speakers for the day.

SURAT

• The Sub-Centre in association with E&C Dept, Sarvajanik College of Engg & Tech (SCET), Surat, organized the following events:

➢ A **two-day workshop** on **Emerging Trends in Electronics Industry** for UG students(30) during 4th–5th Jan 2019, that included a technical talk on **Heterogeneous Architecture and its requirement in Embedded System** by **Shri Shubham Sangvi**, Picus Tech Software, Surat. After his discourse the speaker guided students on making full use of opportunities, evolving appropriate skills to be utilized in their future placements. **Shri Siraj Rana**, Ooredoo Qutar, conducted an introductory session on "**Networking and new Technology**" and gave hands-on-session on Packet tracer; Cisco Meraki tool; SD-WAN and SDN for the participants.

➢ A **talk** tracing the **Role of Industry 4.0 using Machine Learning & Artificial Intelligence** was conducted by **Dr Pranav Lapsiwala**, ECC/SCET on 17th Jan 2019. The speaker started his talk from the time of Industry 1.0 slowly progressing towards Industry 4.0 and its growth. He mentioned how wireless networking integrated with Industry 4.0 as an emerging technology. He also discussed the importance of AI with machine learning concepts, emerging technologies meeting present day requirements of Industry 4.0 and about upcoming Industry 5.0 with exposure of 4G and 5G advanced wireless technologies along with AI.

➢ A **workshop** on **IoT applications using Raspberry PI** was arranged for students, faculty members and professionals, in association with IE(I), SGLC and CSI Surat chapter on 15th– 16th Mar 2019. **Dr Nehal Shah**, initiated the session presenting details on **Single Board Computers – Meet Raspberry PI for IoT applications. Prof Chintan Panchal**, AP/ECE, SCET, introduced Raspberry PI's with its components. In the next session, **Prof Pritesh Saxena**, demonstrated uses of Raspberry PI as remote servers using VNC Viewer and Putty software, where Raspberry PI is configured within LAN network and accessed by other computers. Subsequently, **Prof Bhargav Shah** provided a glimpse of python programming with its commands. The concluding session was on "Free RTOS and Multi-Tasking on PI" conducted by **Shri Shubham Sanghavi**, Machine Learning Engineer, Inkocean Pvt. Ltd, Surat. Second day proceedings started with a talk on "IoT Applications" by **Shri Urvish Gohil**, Software Developer, Picustech, Surat, wherein he gave details on **IoT & its application** in broader perspective. The session on **Voice Assistant for Raspberry PI** was taken care by **Ms Bhoomika Sheth** and **Ms Kripa Ruia**, Mentor, Robotticca, wherein students learnt interfacing of Raspberry Pi with Alexa. A total of 43 participants benefitted from this workshop.

• The Sub-Centre in collaboration with ISF of Dept of Electronics, Sardar Vallabhbhai National Institute of Technology (SVNIT), observed the **IETE Students' Day** on 9th Feb 2019. A competition was organized on this occasion by the name Sundeep Memorial Project Competition, consisting of three contests, namely Circuitrix, Break-over and Open project. Function started with brief introduction of Late Shri Sundeep, SMPC, followed by an overview of ISF activities by **Ms Riddhi More**, Chairperson, ISF SVNIT. The programme was inaugurated by **Dr Shilpi Gupta**, Faculty Advisor, ISF, SVNIT.

TIRUPATI

IETE Tirupati Centre celebrated **IETE Students' Day** jointly with ISFs of SV Colleges, Tirupati, namely, Sri Venkateswara College of Engineering (SVCE) and Sri Venkateswara Engineering College for Women (SVECW) during 31st Jan-2nd Feb 2019. During the event about 50 technical papers were received from the students. 35 teams participated in puzzle solving competition while 5 ISF Members competed in an essay-writing competition. Winners were handed out awards and recognitions. In his address, **Dr TVC Sarma**, Scientist/Engineer-SG, NARL, Dept of Space, Govt of India and Centre Chairman, illustrated the '**Career progression paths for engineering graduates**'. Later, he articulated **on** "Atmospheric Sensing Techniques". Others addressing the gathering include: **Dr N Sudhakar Reddy**, Principal, SVCE and **Dr C Chandra Sekhar**, Vice-Principal, SVECW. IETE Faculty Coordinator(s) of S V Colleges, Shri C Madhu, Shri K. Yuvaraj, Kum B Deepa, Shri N Charan Kumar Reddy and Shri Madan, coordinated the events held during these three days.

A section of audience

VADODARA

• A **technical lecture** on **Electronics in Power Systems –Breaking Myths** was delivered by **Dr Vijay K Shah**, Vice President (R&D) from M/s ABB India Ltd, Vadodara and Centre Chairman, on 29th Dec 2018. A large number of participants attended the function including senior IETE fellows: Wg Cdr Vasavada, Dr RC Desai, Shri KP Gupta,

Shri RP Gupta, Shri Nareshkumar Garg from IETE and the UG & PG students with faculty members - Prof Sunil Patel, Dr Sorum Kotia, Prof (Mrs) Bhavna Pancholi from M S University. In his talk, the speaker covered number of topics related to energy efficiency, electricity production, transmission, and storage, etc. Vote of thanks was proposed by **Shri Yashpal Goyal**, Centre Hony Secretary, concluding the programme.

• Another **technical lecture** on "**Experience sharing: 425Kw solar roof top installation**" was organized on 23rd Mar 2019 by **Dr S H Chetwani**, Head R&D, Electrical Research & Development Association, GIDC, Makarpura, Vadodara. The Centre Chairman, **Dr VK Shah** extended a warm welcome to the Dir ERDA, **Shri Hitesh Karandikar**, while the Centre Hony Secy, **Shri Yashpal Goyal** introduced the keynote speaker, **Dr S H Chetwani**. An overview on IETE & its activities was presented by **Shri Naresh Kumar,** Past Chairman and a permanent invitee at the Centre, followed by a ketnote address by Dr Chetwani on "**ERDA and its facilities**". The speaker stated that ERDA was the only establishment in Vadodara, having a 425 KW Grid connected solar roof top power plant. Through his presentation, he covered various aspects of such facilities including data assimilation pertaining to real time performance, unit generation from solar roof tops and some technical and commercial aspects. He shared ERDA's breakthrough research results achieved from innovating dust free, nano particles-based coatings for the Solar panels to enhance its efficiency. Vote of thanks was proposed by Shri Yashpal Goyal. Later a visit to the state-of-the-art laboratories of ERDA, was organized on the same day. The EMI laboratory, Photovoltaic laboratory and Optometry lab were shown to the visiting members with their utilities.

Vistors at the Anechoic Chamber, EMI Laboratory of ERDA

• A **project exhibition** was organized by Charotar University of Science and Technology (Charusat). Charusat and IETE ISF Chapter Vadodara at VT Patel Dept of ECE, jointly on 30th Mar 2019. Total projects presented were 89 in number and the participants were around 120 students with +30 Faculties members. The aim was to provide a platform and allow the students to showcase their innovative works. An inspirational address was delivered by the HoD, emphasizing the importance of learning about emerging new technologies, tools and project making.

WARANGAL

The Centre organised a one-week workshop on "**Research Methodology-19 (RM-19)**" during 7th-11th Jan 2019 in association with Kakatiya University, Warangal, with the assistance of 19 resource persons, who delivered their talks/ presentations/ lectures on various topics related to Research Methodology. **Prof K Purushotham**, Registrar, Kakatiya University, graced the event as the Chief Guest, while function was presided over by **Capt V Lakshmikantha Rao**, Secy and Correspondent, KITSW and MP, Rajya Sabha. **Shri P Narayana Reddy**, Treasurer, KITSW, congratulated the organizers for their concerted efforts, in his address. **Dr K Ashoka Reddy**, Principal, KITSW, outlined the importance of research work in the field of academia and fulfilling societal causes, in his address. **Prof T Srinivasulu**, Dean, Faculty of Engg & Tech, Kakatiya University, delivered the keynote address. **Dr K Eswaraiah**, Prof, Head/ME, KITSW, and the Organizing Secretary for the event, lauded team's collective efforts and pointed out kind of rich exposure research scholars would get vide this workshop sessions. The conveners for the event were: Dr M Sadanandam, UCE, KTM, KU; Dr K Bikshalu, UCE, KTM, KU; Dr P Srikanth, Prof, MED, KITSW and Dr G Ganesh Kumar, AP, MED, KITSW. Main coordinators included: Shri V Mahender, ECED, KUCET; Dr P Prabhakara Rao, AP, MED, KITSW; Shri S Anil Kumar, AP, MED, KITSW. An overview of the workshop was given by Dr T Srinivasulu. About 64 members registered for the program.

Chief Guest Prof K Purushotham, Registrar, Kakatiya University

YAVATMAL

• The Centre organized a one-day workshop on **Matlab,** attended by about 21 faculty members on 21st Dec 2018.

• The Centre together with ISF, Jawaharlal Darda Institute of Engineering & Technology, Yavatmal, organized a five-day workshop on "**Embedded System and Arduino**" during 27th-31st Dec 2018. About 15 students attended.

Inspiring IETE Woman Achiever

Dr (Mrs) Sneh Mohan (F-062824) received her MPhil and PhD degrees from the Institute of Advanced Studies, Meerut University, Meerut. She was a Post Doctoral Research Fellow at IIT Delhi and Research Associate at McGill University, Canada.

Dr Mohan is a Fellow member of Institution of Communication Engineers and Information Technologists (ICEIT). During 2001-2002, she was the Sectional President of Computer Science Division of The Indian Science Congress Association. Later, she served IETE in various capacities which include one year term (2009-2010) as the Vice-Presidentship of the institution. She was the Chairperson of Academic and Distance Education Committee (ADEC); Information Technology and Computer Education Committee; Board of Examination and Computer Education Committee of IETE Delhi Centre. She contributed in shaping many policies that enhanced effective teaching-learning processes at IETE. She was actively involved in AMIETE and DipIETE syllabus revision and was instrumental in implementing Grade Systems in examination evaluations. During her tenure as Chairperson Board of Examination, she created a system for assessing and monitoring IETE Centres' performance for effective conduct of examinations. She reformed the monitoring process of students' projects. She enthusiastically supported establishment of Academic Centres in the IETE system for the benefit of students. All her efforts had been to increase employability and competitiveness of IETE graduates. She also served IETE as the EDP Manager.

Dr Mohan is currently the Executive Director of CDT Foundation. Prior to this, she headed another Foundation for about twelve years. She has been active in the fields of Information Technology and Environment for about three decades; created many new training programmes in Computing and Information Systems; organized many conferences, workshops, and symposia in general areas of IT, Energy Systems, Environment and R&D Methodologies. She trained many Government personnel for Common Wealth Games 2010. She edited number of proceedings and a book on *E-learning* and published many research papers in national and international journals. Dr Mohan was the Chairperson of the Governing Body of Bharti College, Delhi University during 2015-2016.

Message

The Institution of Electronics and Telecommunication Engineers (IETE) is nurturing youth to become Electronics & Information and Communication Technology (ICT) professionals. The IETE graduates and post graduates have achieved excellence in their fields. They are also holding senior positions at various places in their respective professions. IETE has always promoted gender equality which is borne out from the performance levels achieved by both boys and girls. We strive at IETE to keep the course contents contemporary and at par with any top level institution. By joining IETE the students become confident, self propelling and develop the trait of logical thinking. Many professionals of repute are associated with IETE. A friendly and warm atmosphere is found in IETE Head Quarter and Centres. My message to students is that by doing IETE courses they can excel in their field.

By Dr. (Mrs) Sneh Mohan

Awards & Achievements

The American Institute of Aeronautics and Astronautics (AIAA) has selected **Dr G. Satheesh Reddy (F-2250772)** the Secretary of India's Department of Defence R&D and Chairman of the Defence Research and Development Organisation (DRDO) as the **co-winner of the 2019 Missile Systems Award.** The award recognizes excellence in developing or implementing missile systems technology, including significant technological accomplishments or for inspired leadership of missile systems programs. Dr G Satheesh Reddy was selected for his over three decades of significant national contributions toward indigenous design, development and deployment of diversified strategic and tactical missile systems, guided weapons, advanced avionics, and navigation technologies in India. He is the first person outside the USA to be awarded with this prestigious award in nearly four decades. Dr. Reddy will share the prize with Rondell J. Wilson, a former Principal Engineering Fellow of Raytheon Missile Systems.

On behalf of IETE fratermity we wish you more success in the future. Congratulations, you deserve it!

Prof K K Aggarwal (DF-90000), Distinguished Fellow and Past President IETE (2002-04) had been associated with NBA in various capacities since its inception and was the Chairman of the Engineering Evaluation & Accreditation Committee [EEAC] (TIER - II) before taking over as **Chairman, National Board of Accreditation (NBA)** on 14th January 2019.

Congratulations on adding another feather in your cap. Shine on!!

Lt Gen (Dr) Rajesh Pant, PVSM, AVSM, VSM (Retd) (F-177312), has taken over the charge of **National Cyber Coordination Centre's Chief (NCCC)** from Shri Gulshan Rai, India's first Cybersecurity Chief, who has served a stint of four years and demittted office on 31st March 2019. Lt Gen Rajesh Pant (Retd) has more than 10 years of experience in top level Defense IT and Telecom Training Centre. Also, he is a founding member of India's indigenous Electronic Warfare (EW) programme.National Cyber Coordination Centre is a classified project of Indian Government, which works as an operational cyber security and e-surveillance agency in India. The centre coordinates cyber security intelligence, mitigating online threats and handles National security. The officer has served the Indian Army Signals for 41 years with an unblemished service profile wherein he was awarded three times by the President of India for distinguished service of the highest order.

Well deserved. Well earned. IETE fraternity is proud of you!

Shri P Babu (F 224844), former Hony Secretary, IETE Palakkad Centre, has been awarded the **Doctorate degree from Karpagam Academy of Higher Education, Coimbatore**, on his thesis- *Analysis of Distributed Mppt Based Various Inverter Control for Maximum PV Power Generation*. He retired as the Head of the EEE Dept from. Govt Polytechnic College Palakkad. **Many congratulations on your degree.**

Dr Vijay K Shah (F-125052), Chairman, IETE Vadodara Centre, received **fellowship of INAE** (The Indian National Academy of Engineering) on 1st Nov 2018. This award ceremony was held at Hyderabad during 14th-15th Dec 2018 diring its annual convention.

Congratulations and best wishes!

Prof S Sujith (M-227834) has been awarded the **doctorate degree from VIT University, Vellore,** on his thesis-C*ertain Investigations on an Isolated Wind-Diesel Hybridpower system for uninterrupted power applications*. He is Associate Professor of EEE Dept. in NSS College of Engineering, Palakkad.

Congratulations to Prof S Sujith for receiving his Doctorate degree. Best wishes for the future.

Sabiq P V (M-218533) Associate Professor and Vice-Chairman IETE Kozhikode Sub-Centre has been awarded the **PhD degree in Electronics & Communication Engineering** by Pondicherry Central University for his work entitled "*Investigation on Filter bank based spectrum sensing and Multicarrier system for Cognitive Radio Networks*". He is a life member of IEEE and ISTE.

Best wishes for this important milestone in your life and career.

OBITUARY

Shri M B Goswami (F-101874L) We are deeply saddened to announce the loss of Shri M B Goswami, the Special Invitee of Executive Committee 2018-2020 of IETE Delhi Centre, who passed away on 24th Apr 2018. Members of the Delhi Centre are very deeply shocked by this tragic news. Shri Goswami had been extremely supportive for all the activities and programmes of the Centre. We extend our deepest condolences and sympathies to his family. May God rest his soul in peace.

Anurag Srivastava (M227377L) We are also shocked and deeply aggrieved to hear the news of untimely and unfortunate demise of Assoc Prof Anurag Srivastava of EC Dept, SGSITS, Indore on 15th April 2019. He had been associated with IETE Indore Sub-Centre as its Executive Committee Member. He was the source of inspiration to all including his students because of his unique teaching style. He discharged his duties with utmost sincerity and commitment towards students. We pray to the Almighty to give peace to the departed soul and strength to the bereaved family members.

News from Professional Activity Centres (PACs)

PAC-Australia

14th Symposium of IETE Australia, held at the Indian Consulate Perth on 31st Mar 2019 was attended by 25 members, Consul General of India in Perth, **Shri Amit Misra** and President IETE, **Prof (Dr) KTV Reddy**, who connected the members from Mumbai, India, via a video link. Presentations given were on 'Blockchain Technology based Smart Contracting' by **Shri Prashant Singh** and 'Smart Cities of Future' by **Shri Tarun Dewan**. Backup presentation was on "Rapid Advancements in Battery Technology" – from Chairman's Basics Series, by **Shri Atul Garg,** Chairperson, IETE Australia. Other members attended the symposium were: **Shri Atul Garg** – Chairperson; Prashant Singh- Presenter; Pramod Kapoor; Jatinder Bhangu; Rajpal Kapoor; Colin Quinn; Tarun Dewan – Presenter; Himanshu Chetal; Anuradha; Hemantakumar; Krishna Sharma; Sanjay Rawal; Sandeep Sharma; Davishi Verma; Amit Khullar; Ram Hemmige; Manish Vashisth; Balli Singh; Mahrukh Pestonji; Firoz Pestonji; Ramona Chauhan, Yogesh Dua, Siddharth Malani, Jitender Bhangu and Munith.

Participants of 14th IETE Australia Symposium held at the Indian Consulate Perth

Heartfelt congratulations to the Executive Committee members for their continued success. We at IETE HQs New Delhi, recognize the leading role of the Chairperson at IETE PAC Australia and sincerely congratulate him for his continuous efforts for such undertakings.

PAC – Sahyadri

IETE PAC at Dept of ECE, Sahyadri College of Engineering and Management, Mangaluru, organized a three-day workshop on "Aspects of LTE 4G" in association with VTU, Belgavi, from Mar 22-24, 2019, sponsored by TEQIP 1.3. The workshop aimed at providing insight to VTU faculty members on the progress of Long Term Evolution (LTE) with specific reference to 4G. The workshop was inaugurated by **Dr MH Kori**, Former Technical Director, Alcatel Lucent Technologies. **Dr R Srinivasa Rao Kunte**, Principal, SCEM, in his address, mentioned about the signification and implication of topics being covered in the workshop and **Dr Ashwath Rao**, HoD/ECE, briefed the audience about the program schedule.

IETE PAC & ISF at Sahyadri Collage of Engineering and Management, Mangaluru, organized a three-day workshop on "Aspects of LTE 4G"

The first day of the workshop witnessed an informative talk by **Dr M H Kori** on an Overview of Wireless Communications and Mobile Communications with emphasis to 4G LTE. **Dr K Rajesh Shetty**, Prof/ECE, NMAM, Nitte, chose to speak on "Fading Multipath Channels and Diversity Techniques". The second day began with the presentation of **Shri Abhijith B G**, Technical lead, Saankhya labs Bangalore, on "Multicarrier Modulation, OFDMA, SC-FDMA, overview and channel Structure of LTE". A demo on LTE was organized for the participants by Research Design Lab (RDL) Technologies - an in-house industry, located at SCEM. On third day saw **Shri D Sondur Lakshmipathi**, Founder Dir, MYMO Wireless Technology Private Ltd., giving an overview on the topic "Uplink Channel Transport Processing and Physical layer procedures". Post lunch the session was conducted by **D Ravilla Dilli**, Prof/ECE, Manipal Institute of Technology, Manipal, with a discourse on "Radio Resource Management & Mobility Management". The workshop concluded with after a valedictory session, presided over by **Dr Sondur Lakshmipathi**.

PAC – Nagercoil

• **PAC Nagercoil** in association with IETE Thiruvananthapuram Centre, conducted **a one-day workshop** on **IOT** at Riyassa Labs, Sri Paramakalyani College, Alwarkurichi, Tirunelveli, (TN) on 6th Mar 2019, inaugurated by **Dr S Arumuga Perumal**, Immdt Past Chairman, IETE Thiruvananthapuram Centre.

• A two-day **Inter National Industry Academia Conference (IIAC 2019)** was conducted by IETE, Trivandrum Centre, Nagercoil PAC and Riyasaa Labs, Nagercoil, in co-ordination with IE (India), Kanyakumari local centre on 22nd-23rd Mar 2019. Around 63 papers were received for the event on the topics like IOT, cloud computing, electrical & electronics, control and automation and digital marketing. **Dr S Arumuga Perumal**, Immdt Past Chairman, Thiruvananthapuram Centre, mediated as the Conference Chair. **Er V Sivathanu Pillai**, Chairman, Kanyakumari Centre; **Shri R Sekar Ponnia**, Founder and CTO, Global Software Solutions, Chennai; **Shri R Gokulakrishnan**, Addl Dir, STPI, Chennai and **Dr J Emerson Raja**, Faculty of Engineering and Technology, Multimedia University, Malaysia, graced the dais as the distinguished guests. Opening remarks were delivered by Dr S Arumuga Perumal and welcome address was by Er V Sivathanu Pillai. Centre's past Secretary, **Shri Girish Kumar** applauded the efforts in conduct of the conference. Confrence Proceeding was released by **Shri Murali Krishna** Transforma Pvt. Ltd, Chennai. While delivering his keynote address on "Enterprise Block Chain", **Shri Sekar Ponnia** expounded the status of Block chain in the Enterprise application space, its adaptability and implementation in large scale enterprise production environment. This also gave focus on low code development platform and low code Block chain, paving the way for digital transformation in every business. Dr J Emerson Raja's address was on "Machine condition monitoring by soft computing with Adaptive Signal Processing Abstract", highlighting important concepts and issues. The invited guests on the occasion were felicitated, namely-**Shri R Gokulakrishnan; Prof (Dr) Ma Maode**, School of EEE, Nanyang Technological University, Singapore; **Dr M Pusbarani**, Mother Theresa University, Kodaikanal (TN); **Dr J Emerson Raja**, Malaysia and **Shri A Venkat Subramaniam**, Senior IOT Engineer, Panasonic, Singapore. Shri R Gokulakrishnan's explicated on "The Fourth Industrial revolution and Digital Transformation", while Prof (Dr) Ma Maode, expressed his thoughts on "Efficient and Secure Authentication Schemes for IEEE 802.11ah Networks"**.** Certificates were handed out to participants by Prof (Dr) Ma Maode. Programme concluded with vote of thanks from Mrs S Rasathi, ISRO, Panagudi (TN) & EC member.

Release of Conference proceedings - IIAC 2019

ISFs Activities

• **ISF** at **Sphoorthy Engineering College, Hyderabad, celebrated** its **1st Annual Day** by arranging number of activities like paper and poster presentation; technical quiz; technical talks; hardware assembling and robotics during **Jul 26-28, 2018.**

• A new **ISF** was inaugurated at Dept of ECE, **AVN Institute of Engineering and Technology, Hyderabad** with 100 founder student members on **Aug 3, 2018.** VIPs present were: Prof A Ravi Kumar, Chairman, IETE Hyderabad Centre, the Chief Guest; Prof V Bhagya Raju, Chairman, ISF&SC- Sub Committee, IETE Hyderabad Centre, the Guest of Honour; the Principal; Vice-Principal and HoDs of ECE & Civil Depts of the college.

• **ISF** at **Gayatri Vidya Parishad College for degree & PG courses, Visakhapatnam,** organized a three-day workshop on Labview for III & IV year/ECE students on **Sep 7, 8 & 10, 2018**.

• **ISF** at Dept of ECE, **Nandha Engineering College (NEC), Erode,** organized a one-day workshop on "IOT based commercial product design" on **Sep 26, 2018** with Shri M Parthiban, MD, Caliber Embedded Technologies Pvt Ltd, Salem, as the resource person. Dr S Kavitha, Prof & Dean, ECE, NEC, delivered the welcome address. Others notables present were: Prof T Manickam, ASP; Prof M Srinevasan, AP; Prof R Murugasami, ASP, ISF co-ordinator; staff and 1st year students. An industrial seminar was organized on "Computer Networks and Protocols" on **Sep 29, 2018** by Shri D Naveenkumar, Consultant – Projects Apple Tech, Chennai. Welcome remarks were given by Dr S Kavitha, Prof & Dean/ECE, NEC. Ms V Parameshwari and Shri G Rathanasabhapathy, AP/ECE organized the seminar. Vote of thanks was offered by Dr S T Sadishkumar. Hands-on-training on "Electronic Components and its Applications" was held on **Nov 09, 2018**, by Shri M Parthiban, MD, Caliber Embedded Technologies Pvt Ltd, Salem. Shri M Srinevasan AP/ECE and Shri EK Arulkarthick AP/ECE organized the training. Prof R Murugasami, ISF co-ordinator, staff and students of ECE (1 year) attended. On **Jan 14-15, 2019,** hands-on–training was arranged on "Mobile Phone Servicing and Testing", which was well demonstrated by Shri B Krishnakumar, MD, New Technology, Coimbatore. 1st year students from ECE and Bio Medical Engg. participated. Other eminent members from the ECE Dept, present included: Prof TG Dharani, Prof M Srinevasan and Prof R Murugasami.

• On **Oct 3, 2018, ISF** unit at the Dept of E&T, **Kolhapur Institute of Technology's College of Engineering (KIT-CE), Kolhapur,** organized a guest lecture on "Antenna & Wave Propagation' for TE and E&TC students. Shri Uday Patil AP/Dept of Tech, Shavaji University, Kolhapur, was the resource person. A workshop was organized on PLC programming for T&E

students on **Oct 6, 2018** by Ms Shruti Korane, SKADA Technology, Pune, who gave basic information on PLC and components needed to interface like relays, switches, push buttons and sensors, highlighting its importance to the industry. Students were given problem statements to perform certain tasks. WPL 2.45 Software requirement for PLC programming was introduced to about 57 students, who participated. Under tutorials, another workshop on "Advanced C++ Programming Language" was organized during **Nov 1-3, 2018 with** 58 students in participation. During **Jan 8-12, 2019,** a one-week Faculty Development Programme (FDP) on "Emerging Trends in Signal Processing" was inaugurated by Shri Sushant Kerimani, Dir, SKADA Technology of Pune. First day, first session was handled by Shri Kerimani, who introduced concepts of PLC & SKADA and provided hands on training on PLC to the participants**.** On second day**,** Dr M S Sutaone, Dean Academic Affairs, COEP, Pune, discussed the basic concepts and case studies of Wavelet Transform & Wavelet compression. He explained how discrete wavelet transform could be used for compression of ECG signals. Prof (Dr) P P Bartakke, COEP, Pune, taught deep learning. On third day, Shri S S Mulla, Prof/SSPM's College of Engineering, Kankavali, spoke on the concepts of microstrip antenna, design of microstrip antenna and provided hands on training on HFSS. Shri R D Bhosale introduced basic concepts of Image processing, on next day and conducted its practical session. On fifth day, Shri VS Shirwal and Shri AL Renke, discussed case studies on Wireless communication. Later, Shri P B Mane took on to explain Paper writing skills, patent filing issues *etc*, to the participants.

• **ISF** at **Bannari Amman Institute of Technology, Erode**, organized a workshop on "Modern Antenna Design for Wireless Applications" during **Oct 4-5, 2018**. The objective was to impart an in-depth knowledge in design challenges of Microwave devices and antennas using CAD Tools such as HFSS, Keysight ADS simulation software. The speaker, Dr Ramprabhu, Assoc Prof, SSN College of Engineering, Chennai, expounded on 'Frequency Selective surface for antenna applications' from his research experience, which benefitted the present research scholars and students alike. The topics of wearable antenna design and analysis for medical applications, reconfigurable antenna design and antenna miniaturization techniques were handled by Shri V Dinesh and Ms J Vijayalakshmi, AP, KEC. On Dec 22, 2018, a new session at the unit was inaugurated. Dr M G Sumithra, Prof & Head/ECE; Dr CN Marimuthu, Hony Chairman, IETE Erode Centre and Dr D Malathi, Hony Secretary, IETE Erode Centre, addressed the audience on thie occasion.

• **ISF** unit at Dept of ECE, **Chitkara UniversityInstitute of Engg & Technology, Chandigarh,** organized an event of **Robo Sumo** under the aegis of IETE Chandigarh Centre on **Oct 15, 2018,** with an aim to provide knowledge of RC Cars and develop team spirit amongst them. Participants from ECE, EE, ECSE Depts (I/II/III year) participated. Match Arena was divided into different regions each carrying different marks and the area outside the circle, carried maximum marks. Three rounds were organized and the selected three teams competed in the final round. Positions were given based on the final knockout round. Team that stayed longer in the ring was declared winner while other two teams secured 2nd and 3rd positions, accordingly.

• **ISF** at **SB Jain Institute of Technology Management and Research (SBJITMR), Nagpur**, organized a three-day Faculty Development Programme on "LATEX: Essential and Practices" during **Nov 26-28, 2018**.

• **ISF** at **St Vincent Pallotti College of Engineering and Technology (SVPCET), Nagpur**, organized a **"Skill Enhancement Program"** at different institutes during **Dec 2018 - Feb 2019**.

• A one-week FDP on "Block Chain Technology" was organized at **ISF, Karmavir Dadasaheb Kannamwar College of Engineering (KDKCE), Nagpur,** during **Dec 3-8, 2018.** Another one- week FDP that the **ISF** organized, was on "Recent Trends in Networking (CCNA, CCNP) Opportunities & Challenges" during **Dec 10-15, 2018**.

• **ISF** at **Priyadarshini Institute of Engineering & Technology (PIET), Nagpur,** organized a short term training programme on "Recent Trends in VLSI Design and Verification" for a week from **Dec 10** to **Dec 17, 2018**.

• **ISF** of **Kongu Engineering College (KEC), Erode,** technically and financially sponsored an International Conference on Intelligent Computing and Communication for Smart World (I2C2SW-2018) during **Dec 14-15, 2018**.

• A guest lecture organized was on"ASIC Verification & Industry Orientation Talk" by Prof Sanjeev Kumar Suman, founder of the Edusaksham, EduSuccess Knowledge Systems Pvt Ltd, Bengaluru, at **ISF** of Dept of ECE, **GITAM School of Technology, Bangalore,** on **Dec 22, 2018.**

• A new **ISF** unit at Dept of ECE, **RISE Krishna Sai Prakasam Group of Institution, Valluru, Ongole (AP)**, was inaugurated with 121 student members on **Dec 20, 2018**. Dignitaries present on the dais were: The Chief Guest, Shri P Kalee Prasad, Hony Secy, IETE Vijayawada Centre & Sr AE, DD Kendra, Vijayawada; Guest of Honour,Dr A V Bhaskar Rao, Dir of the Group of Institutions and Dr KV Subramanyam, Principal, as a special guest. Other prominent persons included: Dr Ch Venugopal Reddy, HoD/ECE, Programme Chair and Shri K Suresh Babu, ISF faculty coordinator. An introductory address about professional societies and its importance was given by Dr Venugopal. Shri P Kalee Prasad, in his address, appreciated the efforts by the Dept in starting such forum and emphasized on role of such fora in development of knowledge. He gave an update on various upcoming events at IETE Vijayawada centre like conferences, workshops, seminars and encouraged students to participate. After distribution of certificates to ISF registered candidates, he articulated on the topic "Recent trends in Broadcasting". Other technical events conducted were: Paper Presentation; Poster Presentation; Project Exhibition; Technical Quiz; JAM; Circuit Trix; Colour Coding; Rapid Fire and Ideas Room. Dr AV Bhaskar Rao Garu, Dir, RISE Krishna Sai Group of Institution, encouraged faculty and students to utilize such opportunities for developing their extra co-curricular activities. Dr Ch Venugopal Reddy Garu, HoD/ECE also addressed the gathering. Vote of thanks was proposed by Shri K Suresh Babu, ISF faculty coordinator.

• **ISF** at Dept of ET, **KK Wagh Institute of Engineering Education and Research (KKWIEER), Nashik,** conducted a workshop on "Latest Trends in Biomedical Instrumentation" during **Dec 26-27, 2018** in association with Apollo Hospitals, Nashik and Dr Vasantarao Pawar Medical College, Hospital and Research Center, Nashik. The eminent persons present on the occasion included: Dr A G Patil, Head, Medical Electronics, SGM Polytechnic College, Mumbai; Dr Pradip B Barde, HoD/ Physiology, Dr Vasantarao Pawar Medical College, Hospital & Res Center, Nashik; Prof (Dr) KN Nandurkar, Pricipal, KKWIEER Nashik; Prof (Dr) D M Chandwadkar, Chairman, IETE Nashik Sub-Center & HoD/E&TC, KKWIEER including staff members, ETC Dept and IETE Corp members

and guests from other hospitals and companies. This workshop provided both technical and practical understanding on biomedical instrumentation. Key speakers were from different reputed institutes and companies of India. Technical sessions were conducted by Dr A G Patil and Dr Pradip B Barde on the first day, while rest of the sessions was covered at Apollo Hospital, Nashik, together with a visit to their lab.

• **ISF** at **Dharmsinh Desai University (DDU), Nadiad, Gujarat**, organized an expert session on Automated Testing Tool (Selenium Webdriver) on **Dec 27, 2018**, arranged by Shri Ashish Shrivastava and Shri Tanmay Shah from Unicode Technologies Pvt Ltd, Baroda. About 80 students from Dept of IT attended this expert talk and gained knowledge on the use of Selenium Web driver tool for automatic software testing. IT Dept of the ISF organized a two-day workshop on "Salesforce" on **Jan 19-20, 2019** by means of experts from Incapsulate Company, Ahmedabad. About 85 students of IT dept attended the workshop and gained knowledge on the use of of Salesforce–cloud based CRM platform. Topics covered during the workshop were: Salesforce career exploration for students; Salesforce platform basic; CRM for salesforce classic; Customize a salesforce object; Quick start process builder; Apex Basic & Database; Creating reports; Dashboards for Sales and Marketing Managers. Shri Nimit Shah, Technical Architect; Shri Swagat Talsania and Shri Tejas Shah, both Technical Leads; Shri Harsh Shah, Shri Nikunj Vedia, Shri Nikunj Vedia and Shri Rajat Koradia, all senior developers from Incapsulate Company, were present. On **Mar 2, 2019** the **ISF** organized a talk on "Protection against Cyber attack" by Shri Arshit Vaghasiya, Student/DDU, who guided the participants on possibilities of hacking/attacking in computers, mobile, Wi-Fi, google databases and other areas. Protection techniques were also shared. About 85 students from deptts of EC/CE/IT/MCA attended and benefitted from the event

• A motivational speech by Shri V Ravindran, Former Exec Dir, BHEL, Trichy, on "Soft Skills for Industries" was arranged on **Dec 28, 2018** at ISF of Dept of ECE, **K Ramakrishnan College of Technology, Samayapuram, Trichy.** It was intended for II year students. Dr S Murugannadam, Principal, Dr M Kavitha, Prof/ECE, Shri S Prasad Jones Christydass and Shri A Manjunathan, Asstt/HoD graced the event with their presence.

• **ISF** at Dept of ECE, **Sona College of Technology, Salem,** organized a quiz program on "Digital Signal Processing" on **Jan 4, 2019**. The preliminary round of this quiz was on **Dec 27, 2018,** where II year/ECE students participated. They were divided into 50 teams and by the time of final round, only six teams left. Dr R Gayathri, Hony Secy, ISF, welcomed the assembly while Dr RS Sabeenian, HoD/ECE, delivered the felicitation address. Winners declared were: M Mohamed Rizwan, A Navid Basha, D Lokesh (1st prize); M Siva, K Surya, S Sushma (2nd prize) and P Bharathkumar Reddy, N Sasidhar Reddy & Ch VN Rohith (3rd prize). The programme concluded with vote of thanks by ISF Coordinator, Prof A Sangeetha. Another Quiz program on Waveguides and Propagation was conducted on **Feb 1, 2019** having its preliminary round already held on **Jan 24, 2019.** III year ECE students participated. The winners for this competition were: I Sadia, S Roshini, (1st prize); B Ranjith Kumar, S Revathi Priyadharshini & R Yogalakshmi (2nd prize) and R V Uthra, V Vidhya Lakshmi and P Rohineesh Dharan (3rd prize). Prof K Saranya, ISF Coordinator, proposed vote of thanks. The arrangement for this was completed by 2nd year class counsellors.

• **ISF** at Dept of ECE, **Sri Venkateshwara College of Engineering**

(SVCE), Sriperumbudur, (TN), conducted a one-week Faculty Development Programme (FDP) on "Applications and Hands-on Practice in Machine Learning" for faculty members of various institutions during **Jan 8-12, 2019**. It was sponsored by IETE, Bengaluru Centre. A new session started with strength of 55 students on **Mar 1, 2019**, which was inaugurated by Shri RPB Sundaram, EC Member, IETE Chennai**.** A short presentation on the objectives, activities of IETE and its benefits was presented by him. On **Mar 15, 2019** a conference on "Signal Processing, Communication and Networking (NCSPCN–2019)" was conducted in association with IETE that was inaugurated by the Chief Guest Shri S Vijay Anand, Asstt Vice-President – Technology, Aricent Altran Group (Global Design and Engineering Company), Chennai. Dr S Muthukumar, HoD/ECE, presented the welcome address and the Chief Guest was introduced by Dr G Padmavathy, Prof/ECE. The Conference proceeding was released followed by Chief Guest's keynote address. 21 papers were presented from 10 different colleges around city. Out of these, two papers were shortlisted for the best paper Award. Shri N Sridharan, Hony Treasurer and Shri RPB Sundaram, EC Member, were the invited dignitaries for the valedictory session, wherein a keynote address was delivered on 'Industry 4.0' by Shri Sundaram. He mentioned about technology evolution, current trends in Industry 4.0 that take advantage of cyber physical systems, communication and IoT technologies for efficient and smarter results. Shri N Sridharan's talk revolved around the growth of radio communications and current trends of DRM using AM transmission and its benefits. Prizes & certificates were distributed to the best paper presenters and other participants. Vote of thanks was proposed by Dr S R Malathi, Assoc Prof/ ECE. Another seminar was conducted by the CSE Dept on "BigData and Hadoop" on **Mar 25, 2019** under the IETE banner. The seminar on 'Computers, Communication and Networks' arranged on **Apr 1, 2019** was held in association with IETE. Shri A Sadagopan, Former AGM, BSNL, delivered valedictory note.

• **ISF** at Dept of ECE, **Velammal Institute of Technology, Chennai,** organized a workshop on "Machine Learning Algorithms and its applications in Medical Field" on **Jan 9, 2019,** catalyzed and financially supported by Tamil Nadu State Council for Science and Technology, Dept of Higher Education, Government of Tamil Nadu.

• A new session at **ISF, MAM College of Engineering and Technology, Tiruchirappalli**, was inaugurated on **Jan 11, 2019** by **Dr K Narasimhan,** SAP, Dept of ECE, SASTRA University, followed by his lecture on **Deep Learning.**

• **ISF** of Dept of ECE, **Kamaraj College of Engineering & Technology, Virudhunagar,** organized a guest lecture on **Jan 12, 2019** by Er Jayakumar, MD, ioLogix, Chennai, for ECE, EEE and EIE faculty members. The speaker spoke on "Automation using PLC". This event was coordinated by Mrs V Jeyalakshmi, AP/ECE and Mrs T Pandi Selvi. A memento was presented to the Chief Guest by Dr R Suresh Babu, Prof & Head ECE. During the interactive session, doubts of Faculty & students were cleared. The ISF conducted 10th National Conference on "Signal Processing and Communication Technologies" on **Mar 28, 2019**. Dr M Bhuvaneshwari, AP/ECE, Bharadhidasan Institute of Technology, Anna University Campus Trichirappalli, presided over the function. The welcome address was delivered by Mrs Jeyalakshmi and Dr R Suresh Babu introduced Dr M Bhuvaneshwari, the Chief Guest, who highlighted the importance of applications of electronics & communications in smart world, AI and Cloud computing vide her address. She talked about the conception of supervised and un-supervised machine learning and IoT,

outlined the techniques in military communication and RF communication frequency usage and urged all to be innovative and creative. About 32 papers were presented in the conference from colleges like Sethu Institute of Technology; PSRR College of Engineering for Women; Kalasalingam Institute of Technology; DNR College of Engineering, AP and Kamaraj College of Engg and Technolog, Virudhunagar, Vellakulam, Tamil Nadu. Dr C Geethapriya, Dr R Suresh Babu, Mrs A Geetha, Mrs V Jeyalakshmi moderated as Chairprogram and guided participants in their research work. Dr R Suresh Babu presented certificates to the participants.

• **ISF** at **Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat,** witnessed an overwhelming response by students in the programme "Tronix Quiz" conducted in two rounds for I & II year students on **Jan 16, 2019**. Cash prizes werte given to the top three winners on the occasion of IETE Foundation Day celebrations and winners of first round from I year, were allowed to participate in the IOT workshop that was held on **Jan 19-20, 2019** in collaboration with Tech Cryptors. The **ISF** also organized one-day technical fest "Hertz-2019" on **Apr 7, 2019**. Events like coding event, treasure hunt, line follower, group discussion, workshop on "Classification of hand written digits" were organized/ conducted under this banner. Around 60 students took part in these events.

• **ISF** at **MepcoSchlenk Engineering College (MSEC), Sivakasi,** organized a guest lecture on "ASIC & FPGA Design of SXP Technology" by Shri B Velmurugan, Technical Lead, HCL Technologies, Chennai on **Jan 19, 2019**, intended for the III yr/ECE & II yr/ME students,. The function was inaugurated by Dr G Indumathi, Prof & Chairperson, IETE Sivakasi Centre, ECE Dept, MSEC. Shri A Kamaraj, AP/ECE, Faculty Advisor, co-ordinated this session. Welcome address was delivered by Shri S Sreenivas, Member ISF. Shri B Velmurugan, elucidated on the Design flow of FPGA based prototyping of SXP technology and on ASIC manufacturing of the SXP devices. He covered in details the topic of real time implementation of SXP devices in the processor. Critical issues present in the designing of integrated circuits were also taken up. Finally, he shared kind of expection the core companies keep on extra skills acquired by the applicants during recruitments. The speaker enlightened on present opportunities in the domain. Doubts were clarified during interactive session. Event was extremely informative.

• **ISF** at **Rajarambapu Institute of Technology, Rajaramnagar, Sangli (MS)** organized an expert lecture on "CAT (MBA entrance preparation) & importance of MBA and Scholarships available" in the field on **Jan 25, 2019** for BTech students. He guided them on necessary documents required for MBA admission and informed about the facilitation center present at RIT MBA Dept.

• **ISF** unit at Dept of ECE, **Coimbatore Institute of Technology (CIT), Coimbatore,** organized a one-day workshop on "Natural Language Processing and Alexa" on **Jan 25, 2019.** The session on "ALEXA and building up of the APP" was conducted by Shri Bharathi Athinarayanan, Principal DOT Lead, AT&T Communications Pvt Ltd, for the benefit of more than 110 participants from various colleges. On **Feb 1, 2019**, a symposium consisting of number of technical events and paper presentations was organized. Dr A Rajewari, Prof/HoD-ECE, CIT initiated the programme. Shri P Satheesh Kumar and Shri C Vinoth Kumar, CIT, also graced the event with their presence. An official website www.infotra2k19.com was launched on the occasion. Technical events organized included: Paper Presentation- on embedded system, robotics, communication, networks, antenna, IOT, Nanotechnology; Inoque (Project Presentation)-

wherein young budding engineers expressed their ideas through projects; Gato Paradox-wherein innovative ideas of problem solving were invited from students; Hack and Crack- event, which was mainly related to circuit solving and mesh node analysis. Code-O-Podia- was to test the knowledge in C language; Catechize- a quiz in technical areas of engineering subjects; Know Yourself - a platform provided to show their profiency skills and Techomania- a technical event, related to embedded systems. On **Mar 14, 2019,** a workshop was held on "5G Technology and its applications"**,** attended by about 75 participants including UG/PG students, PhD Scholars, internal and external faculty members. Morning session was moderated by Shri Devadas Pai, CEO, NanoCell Networks Pvt Ltd, who gave a discourse on "Overview of 4G to 5G Evolution", key objectives of 5G, Network Architecture & Spectrum of 5G, NR, Cloud, SDN, NFV, MIMO, Beam forming, ML/AI, were taken up. Challenges and opportunities present in the domain were also explained. Afternoon session was handled by Shri Pavan Varanasi & Shri Ramesh, Product Specialist, R&S Hyderabad, on the topic "5G NR Gobal Status & Technologies". An overview of 5G NR, ITU standards of 5G and uses, was presented. A demonstration on generation and analysis of various analog & digital modulation schemes and OFDM using SMW200A and FSW43 was also presented. The day ended with distribution of certificates to the participants.

• **ISF** unit at Dept of ETE, **SB Patil College of Engineering (SBPCOE), Indapur, Pune,** was inaugurated on **Jan 31, 2019** by Shri Kishor R Shende Chairman, IETE Pune Centre, with 50 founder student members. Dr RD Kharadkar, Hony Secy, IETE Pune Centre & Principal, G H Raisoni, College of Engg, Pune, was the invited Guest of Honour. Other eminent personalities present were: Dr S K Khedkar, Mentor West Zone and Shri G K Dawara, Immdt Past Chairman, from IETE Pune Centre. The welcome remarks on the occasion were from Dr PD Nemade Principal, SB Patil College of Engg. Dr Khedkar, addressing the gathering emphasized on the importance of ISFs at colleges, while Dr Kharadkar appreciated concerted efforts of the Dept in starting such forum and advised conducting workshops in the emerging fields of AI and IoT, *etc.* He emphasized such participation benefits from placement point of view. Dr S K Dawara encouraged participants looking up at the problems from innovative angles and try finding solutions in new ways. Shri Kishor R Shende, Chairman IETE Pune Centre, highlighted objectives of IETE & benefits of its membership. Prof Bhosale AC, HoD/E&TC, cleared doubts of the students during the Q&A session. The programme concluded with vote of thanks from Prof YS Bahendwar, Dean R&D.

• **ISF** at **Sipna College of Engineering and Technology (COET), Amravati,** celebrated IETE Students' Day on **Feb 1, 2019** by organizing a talk on "Role of Professional Bodies in the field of Engineering". Dr AP Thakare, DPC, Sipna COET, Amravati and Dr NN Kasat, Assoc Prof, Sipna COET, Amravati, graced the event as VIPs and were felicitated by Prof YA Thakare, Student Activity In-charge. The students were enlightened on the roles and objectives of various societies like IETE, ISTE, etc. Dr AP Thakare acquainted the students on IETE and encouraged them to become its members. Dr Kasat shed light on the opportunities available in the field of engineering as IETE members. The speakers also shared their experiences individually with IETE. On behalf of ISF students' team, ISF Secretary, Ms Asavari Thakare, outlined the activities being conducted by the ISF while the President IETE message for the day was read out by Ms Ashwini Kalanke, President ISF. A Quiz competition was arranged on latest topics related to electronics, computer science and IT streams. Vote of thanks was proposed by Shri Tanmay Tippati, II Year, EXTC student.

• **ISF** unit at ECE, **University of Engineering & Management (UEM), Jaipur**, was inaugurated on **Feb 1, 2019** with 55 students, in presence of Prof Manish Tiwari, Chairman; Dr Dinesh Yadav, Hony Secretary of the IETE Jaipur Centre; Prof Aniruddh Mukherjee, Dean-Academics, UEM and Prof Sandip Das, HoD/ECE, UEM. VIPs of the event were: Prof Manish Tiwary, the Chief Guest and Dr Dinesh Yadav, the Guest of Honour. Prof Pradeep Kumar Sharma, Prof Aniruddh Mukherjee addressed the students and faculty members of UEM Jaipur. Dr Dinesh Yadav highlighted number of useful technical events organized by IETE Jaipur Centre and enumerated the benefits of establishing such fora at premises. Prof Manish Tiwary read out the message of the day from President IETE and motivated them to organize more such technical activities at the premises. At the same time he also advised focusing & arranging more on socio-oriented non-technical events. IETE membership certificates were distributed. Vote of thanks was proposed by Prof Sandip Das, Prof, Dept of ECE, UEM.

• The Dept of EC at **Sahyadri College of Engg and Mgmt (SCEM), Mangalore**, in association with **IETE Students Forum** celebrated IETE Students' Day on **Feb 1, 2019**. A series of technical events were conducted on the occasion for the students, *viz*., Tech tantra,Tech;Swot (circuit rig up); Tech Quiz, Pick, act and speak and some technical presentations by challengers teams. **ISF** also organized an IoT & Embedded System exhibition on **Feb 19, 2019**, in collaboration with Ministry of Human Resource Development (MHRD) and RDL Technologies, as a part of Industry & Academic Interaction. The students were educated on recent on-going research issues, challenges in the industry, solutions to such challeneges were informed. The aim was to bring out budding entrepreneurial talents to the foreground. On **Mar 19, 2019,** ISF organized a one-day "Workshop on Virtual Labs"- an initiative of MHRD under the National Mission on Education through ICT. A team of ten members from NITK, assisted in the conduct of the sessions.

• **ISF** at **Rajarambapu Institute of Technology (RIT), Islampur, (MS)** organized a one-day workshop on "Wireless Sensor Networks" on **Feb 2, 2019**. Students participated from Annasaheb Dange College of Engineering, Ashta; Ashokrao Mane College of Engineering, Wathar and from the host institute. Students developed small projects in workshop, performed experiments on exata emulator as well as on CupCarbon Simulator (a Smart City Development and IoT Tool). Experts delivered lectures and conducted practical sessions. The ETC Dept of **ISF** conducted a "Career Guidance and Social Awareness Program" in association with Lead College Activity, Shivaji University, Kolhapur on **Mar 7, 2019**. About 11 schools (ZP schools, High schools and handicap school) were visited to create awareness on social issues such as energy saving, plastic waste management, environmental awareness, career guidance, skill development and water management, *etc*. The **ISF** with ISTE and ICC Cell, organized **"Girls Project Competition"** on the occasion of International Women's Day, in association with IE(I), Pune Local Centre and Lead College Activity, Shivaji University, Kolhapur on **Mar 8, 2019**. Dr Sapana Awade, Secretary, DKTE Society, Ichalkaranji, the chief guest, expressed her views and opinions on women empowerment. Others present during the programme were: Shri Shamrao Anna, Chairman, Rajrambapu Co-op Bank Ltd; Dr D G Thombare; Dr S M Sawant and Prof Rajan Padwal. About 108 girl students participated in the project competition from different disciplines. The program had strong support of Dr S S KUlkarni, Director RIT.

• A two-day national level workshop for the faculty members was conducted on Implementation & Assessment of Outcome Based Education at **ISF, EGS Pillay Engineering College, Nagapattinam (TN)** during **Feb 2-3, 2019.** It was sponsored by IETE & ISTE and organized by Internal Quality Assurance Cell (IQAC) of the College. IQAC Convener, Dr M Chinnadurai, delivered the welcome address. The keynote address was by one of the coordinators of the workshop, Dr S Appavu alias Balamurugan Prof/CSE. Dr S Ramabalan delivered the presidential address, while the felicitation address was by the College Secretary,Dr Chev S Parameswaran. Dr OG Kakde, Dir NIT, Nagpur, the Chief Guest, conducted four sessions spread over two days, explaining implementation and assessment of outcome based education from all aspects to the participants, 85 in number. Ms K Kalaivani, Assoc Prof/CSE proposed vote of thanks.

• The 187th birth anniversary of Savitribai Phule was celebrated on **Feb 3, 2019** by ISTE and **ISF** at **Rajarambapu Institute of Technology (RIT)**, Sakharale.

• **ISF** at Dept of ECE, **Acropolis Institute of Technology & Reasearch, Indore,** organized a one-day workshop on "Mobile Development and Repairing" by Shri Ravi Verma on **Feb 6, 2019**. Role & working of each mobile component was discussed, differences explained between keypad of mobiles and smart phones, battery life, connectivity of battery by using analog voltmeter, etc. Removing water spots from mobile was also demonstrated. Hands-on practice session was scheduled. Dr UBS Chandrawat, Head/ECE Dept, Shri Prabhat Pandey, Shri Sourabh Mishra, Shri Arvind Solanki and Shri Sudheesh Gour were present in the event including Ms Mukti Awad, Sr Asst Prof/ECE & ISF coordinator and students of II year/ECE. About 30 members attended.

• **ISF** at Dept of ECE, **Jawaharlal Nehru National College of Engineering (JNNCE), Shivamogga,** organized a two-day workshop on "LICs and Communication" lead by Dr P Manjunatha, HoD & Prof, on **Feb 6-7, 2019**. A presentation was given on basics of Linear Integrated Circuits and 555 Timer and Circuits of Op-amps with its applications, followed by implementation details of diff circuits like switches on LED, Water level indicator and Astable Multivibrator, etc. In lab sessions students verified the operation of voltage amplifiers, inverting and non inverting amplifiers and summing circuits using Op-amp μA741 IC. Feedback was taken to improve next session delivery. The workshop concluded with a competition held to rig-up the electronic circuit by 15 groups of 5 members each. Another one-day workshop on "Arduino UNO and its Applications" was organized on **Mar 15, 2019** for 2nd year ECE diploma students of DS Dinakar National Polytechnic, Shimoga**.** Dr P Manjunatha HOD, E&C Dept and Chairman IETE Shimoga Centre, gave a presentation on basics of Arduino UNO and its applications. A hand on session was arranged for interfacing with LEDs, DC motors and various types of sensors to Arduino UNO.

• A workshop on "Role of IPR in Innovation Management" was organized by **ISF** of ECE Dept, **Sethu Institute of Technology, Kariapatti,** on **Feb 7, 2019**. The workshop witnessed an additional inaugural function of **Innovation Center** in the College campus, wherein Shri Tata Sudhakar, Chairman, IETE Chennai Centre, was present as the special invitee.

• A three-day workshop on "Internet of Things using Arduino" was organized for the II year ECE students of **ISF** at **Anil Neerukonda Institute of Technology and Sciences, (ANITS), Visakhapatnam**. Trainers from AP State Skill Development Corporation (APSSDC), Vijayawada,

conducted this workshop during **Feb 7-9, 2019** for **a**bout 145 students, who gained hands-on experience on use of Arduino from the scratch to the complex applications development. Students showcased their skills on writing programs in Arduino IDE and made physical connections with LCD displays, Multicolor LEDs, 7–segment displays, IR & Ultrasonic sensors, servo motors, LDR module etc. The students also practiced with Tinker CAD software to develop IoT applications. Development of home automation systems were taught with various controlling functions using Arduino. Students, who cleared the tests were issued certificates by Dr V Rajya Lakshmi, Prof & HoD/ECE. The **ISF** organized technical events under the tech-fest TACHYON-2K19 during **Feb 22-23, 2019,** that included- **t**echnical paper presentation, a coding contest **"**CodeDecode"; a board game- Snakes and Ladders based technical quiz, titled "Crack and Roll"; an Event titled "Digitrade" to earn coins in order to implement a circuit design; a Hardware Expo, in which team from GMRIT, Rajam won the cash prize worth Rs 12,500 for their project titled, "Autonomous guiding system for blind" and a business oriented event, called "Business Combat". The winners of this event were suitably rewarded. The **ISF** also conducted a non-technical event promoting fitness and health at Tachyon by Ch Sai Kishore (3/4 ECE) on the same days, sponsored by Fitness Edge Gym at Sarada Grand. The event encompassed multiple fitness competitions including CrossFit and strength training exercises. Over 50 members participated and the winners were awarded a cash prize of Rs. 10,000/-. The p\articipants were also offered discounts by the sponsoring gym, to promote fitness in one's lifestyle.

• An Alumni Guest lecture was organized on **Feb 8, 2019** for 30 students of different depts of **ISF KPR Institute of Engineering and Technology, Arasur.** It was organized by Ms Mohanabarathy R, AP/ECE, under the ECE Association. In the first session, Shri Shrihariprasath B, Sr Engr (R&D), FENZO Power Solutions, Coimbatore, enlightened on the various types of renewable energies. Pointing out the current reliability of world heavily on coal, oil, and natural gas for energy, he highlighted the fast-dwindling status of non-renewable fossil fuels and suggested using alternatives like solar energy *etc*. Details of process of manufacturing photovoltaic solar cells, flexible solar panels, solar PCU, UPS, uses of Buck and Boost converters, current trends in the renewable energy resources etc were explained. As an alumnus, Shri Shrihariprasath motivated his juniors to do more projects in real time scenario for better placements. He advised to develop and sell their products after branding them with college's name to attract more attention from the core companies. The ISF organized another guest lecture on "Recent Trends, Technology and Applications" on **Mar 9, 2019**, delivered by Shri V Chandran, ECE Dept, wherein participants were apprised on emerging technologies and of having more chances of job creations in these domains in future.

• **ISF** at PG Dept of CS, **Sree Ayyappa College, Eramallikkara,** organised a two-day conference on "Emerging Technologies in Computer Science (NCETCS-2019)" on **Feb 8-9, 2019** in association with IETE Kochi Centre. It was inaugurated by Dr Raju G, Prof/CSE, Christ University, Bangalore. A keynote address was delivered by Dr MV Rajesh, Vice Chairman, IETE Kochi Centre. Dr S Anil Kumar, Principal, Sree Ayyappa College, presided over the inaugural session. The technical sessions were handled by Dr R Gopikakumari, Prof, School of Engineering CUSAT & Chairperson, IETE Kochi Centre; Dr G Gopakumar, AP/CS, Amrita Vishwa Vidyapeetham University; Dr Divya Sindhu Lekha, CUSAT; Dr Sabarish K, Head, E-Governance, Kerala State IT Mission and Dr S Sivakumar, Prof & Head/CS, Cardamom Planter's Association College, Kambam, TN.

The co-sponsors for the event were Kerala State IT Mission and Kerala State Science Technology & Environment. Conference provided an ideal platform for the participants to discuss the latest & upcoming technologies in the field of advanced digital image processing, cloud computing and IoT, cryptography and information security, information technology and data processing. It witnessed 7 invited dignitaries, 35 delegates and 60 participants from different states. About 32 research papers were presented during the technical sessions. Dr S Sivakumar graced the valedictory session as Chief Guest. IETE Kochi Centre extended technical & financial assistance to the event.

• A guest lecture on "5G Technologies" & "VLSI Design" was organized on **Feb 9, 2019** at **ISF** unit established at Dept of ECE, **Chennai Institute of Technology**, **Chennai**.

• Prof C Murali, Former Vice-President IETE, attended Dept Advisory Committee (DAC) at ECE Dept, **ISF MVJ College of Engineering, Bangalore** on **Feb 9, 2019** while Prof HS Bhatia, Chairman Bangalore Centre, attended this Committee at IS Dept, MVJ College of Engineering, Bangalore on **Mar 2, 2019**. Prof Sanchari Saha, HoD/CSE coordinated.

• **ISF** at Dept of TE, **BMS Institute of Technology & Management, Bangalore,** conducted an open course on "Embedded System and Application Using 8051 Arduino" during **Feb 12-16, 2019.** The VIPs present were: Shri Malar Deshpande, Country Head, Macnica (Japanese based Leading Solutons Provider) and partners from other leading Global Semiconductor companies.

• **ISF** at Dept of ECE, **Vignans Institute of Engineering for Women, Visakhapatnam,** organized a one-day guest lecture on "Latest trends in Radar Systems" on **Feb 14, 2019** by Dr KS Ranga Rao, Principal Consultant for Centre of Excellence in Maritime & Ship Building (CEMS). He elucidated the use of radar systems in practical applications and its role in air traffic control systems. Highlighting the opportunities available for women in the sector, he explained some basic concepts and knowledge on Radar systems, *etc*. for them.

• New **ISF** at **DMI College of Engineering, Chennai,** was inauguratd by Shri RPB Sundaram, EC Member of Chennai Centre, which was formed with 51 students of III Year, on **Feb 15, 2019**. An 'Overview on Industry 4.0' was presented by Shri RPB Sundaram on the occasion. The **ISF** organized 9th National Conference on Communication & Information Engineering (NCCIE–2019) on **Mar 19, 2019,** with a lecture on "Opportunities for Engineers"by the Chief Guest, Shri G Suresh, EC Member, IETE Chennai Centre.

• **ISF** at Dept of ECE, **Alva's Institute of Engineering and Technology** (AIET)**, Mangalore,** was inaugurated on **Feb 16, 2019**. The gathering on the occasion was addressed by Prof H S Bhatia, Chairman, IETE Bangalore Centre, wherein he expounded on the role of ECE in enhancing the importance of interdisciplinary engineering branches. After the inaugural ceremony, Prof C Murali, Former Vice-President IETE, delivered a technical talk on 'Emerging trends in Electronics and Communication for better tomorrow'.

• **ISF** at ECE Dept, **Chennai Institute of Technology, Chennai,** organized a National level technical symposium -"Vidyutrenz" in association with "Takshashila"- a techno-cultural fest on **Feb 21, 2019.** The symposium provided a platform giving an insight on new technologies and innovations in the domain of ECE.

• **ISF** at **Gitam University, Visakhapatnam,** conducted a paper presentation competition for various colleges/institutes students. Prof C Murali, Former Vice-President IETE, chaired the programme.

• **ISF** at ECE Dept, **VELTECH, Chennai,** organized a guest lecture by Shri Srinivasan V, Principle Engineer, CAISER, on "Internet of Things" on **Feb 26, 2019.**

• **ISF** at **NSS College of Engineering (NSSCE), Palakkad,** conducted a technical function on **Feb 27, 2019,** chaired by Dr V Devi, Chairperson of IETE Palakkad Centre. The function was inaugurated by Dr T Sudha, Principal, NSSCE, who insisted students to vigorously pursue activities of professional societies. Welcome address was by Shri Ashwin CS, ISF Chairman. Chief Guest, Shri C K Haridas, G C member of IETE, informed students on the necessity of taking membership of a professional society. On the occasion, the 3rd year engg student and a patent holder, Muhammed Shaheer, shared his views on entrepreneurship. He motivated all getting into entrepreneurships from one's own experiences and pursue things like patenting and funding with individual hardwork. A project expo was arranged by the students on the occasion. ISF coordinator, Prof P Nandakumar, Dr Asha and ISF Secretary- Ms Anuja, also spoke during the function.

• A new **ISF** at **Mar Baselios Christian College of Engg & Technology (MBCCET), Kuttikkanam, Peermade** under Kochi Centre, was inaugurated on **Feb 27, 2019** by the Chief Guest, Dr CD Suriyakala, Hony Treasurer, IETE Kochi Centre. Welcome address on the occasion was delivered by Prof Elias Janson K, HoD/ECE. Dr Pradeep C, Principal, MBCCET, presided. The lighting of the ceremonial lamp was by host of lumanries: Dr CD Suriyakala, Dr Pradeep C, Principal; Dr M V Rajesh, ISF resource person; Dr Anoop KJ, Dean, Academics; Dr Nirmala Joseph, Dean, Student Affairs; Fr Kurivilla Perumal Chacko, Student Advisor; Prof Neethu Susan Rajan, IETE Co-ordinator and Shri Sujith Thomas, ISF Chairman, MBCCET. Dr MV Rajesh, also the Vice-Chairman, IETE Kochi Centre, delivered a technical talk on 'Roadmap to Success in Engineering', highlighting various steps to achieve success in the career by engineering students and faculty members. Programme concluded with vote of thanks by Prof Neethu Susan Rajan.

• **ISF** unit at **Sri Ramakrishna Institute of Technology, Coimbatore,** arranged for a guest lecture on **Feb 28, 2019**. The audience was greeted by Ms Monisha. D, ISF Student member. Dr AN Jayanthi, ISF Co-ordinator, introduced the chief guest- Shri S Arun Prasad, Research Associate, Education R&D, IC Centre for Governance, Ganapathy, Coimbatore, who pointed out vide his address the importance of engineers' role in the society and the ways to seek jobs in govt organizations and PSUs. Vote of thanks was proposed by Ms Vysali R.M, final year/ECE student.

• An event called "Tronic Trivia" was held by **ISF, AP Shah Institute of Technology (APSIT), Thane,** on **Feb 28, 2019** in association with IETE, under Oscillation 2019. The dignitaries included: Prof Kirti Rajadnya, EC, IETE Mumbai Centre; Prof AM Deshpande, Vice-Principal, Dean Academics and HoD/EXTC, APSIT; Prof Sameer Nanivadekar, Dean Admin, APSIT. Shri Shubham Sawant, Shri Pawan Koli, Shri Rohan Shetty, Mr Salman Qureshi of ISF, organized the event under the guidance of ISF coordinator, Prof M P Kurvey, who proposed vote of thanks to conclude the event. A total of 48 students participated. Faculty involved were- Prof Manisha Samant, Prof Tejashri Kolhe, Prof Veena Gawade, Prof Jay Mehta, Prof Adesh Hardas, Prof Selvin Furtado, Prof Mahesh

Pawaskar, Mrs Priti Farkade, Shri Avdhut Patil and Shri Vinod Shinde.

• **ISF** at ECE Dept, **Meenakshi Sundararajan Engineering College, Chennai,** organized the 6th National Conference on "Advancement in Emerging Technologies" on **Mar 2, 2019**. Dr M Selvi, Hony Secretary, IETE Chennai Centre, graced the event as its Chairperson.

• Dept of E&TE at **ISF Guru Gobind Singh Polytechnic, Nashik,** organized a State Level Competition, -Technobrain 2k19, a Project, Poster, and Circuit Hunt competitions for students on **Mar 2, 2019**, sponsored by IETE Nashik Sub-Centre**.** Top three winners were given prizes by Dr Omprakash Kulkarni, Shri Permindur Singh, CEO, GGSF and Shri S R Upasani, Principal.

• **ISF** at Dept of ECE, **Bapuji Institute of Engineering & Technology (BIET), Davangere,** conducted "Siddatha 2018-19", a test series for 3rd, 5th and 7th semester students appearing for GATE examination. Tests conducted were on the topics of basic, digital and analog electronics. A meditative session was also arranged with the help of Dr Siddheswaran, College of Dental Sciences, Davangere, who provoded sessions on emotion management and ways to balance such emotions in critical situations during **Mar 5-7, 2019.**

• **ISF** at Dept of ECE, **JP College of Education (JPCOE), Tirunelveli,** organized a technical competition on **Mar 7, 2019,** providing an opportunity to discover innovative ideas, creativity and talents in one and learning to work in a team. About 60 students participated in organized events. Mrs M Shenbagavalli, HoD; Dr M Rajkumar, College Principal; Ms SR Pradeepa, Administrator, addressed and motivated the students. Winners were awarded. ISF Student President, Ms R Selva Priya, Final year/ECE, extended welcome to the gathering. In the paper presentation competition, Ms Aneesha Begam M and Ms Sabural Mubeena M, IV year/ECE, clinched the 1st prize while Ms Arul Selvam D and Ms Avudaiammal A, Vl year/ECE, won the 2nd prize. Ms Aysha Rishwana, II/ECE, and Ms Poornima, II/ECE bagged the top two positions in circuit debugging competition. Ms Benishba M and Ms Krishnaveni M, III/ECE won the 1st prize and Ms Selva Priya R and Ms Santhanamariammal S, the 2nd prize in technical quiz. In another competition of tongue twister, Ms Varsha Devi T, II/ECE and Ms Bhavani A, Final year ECE, were the top two winners. Vote of thanks was proposed by Shri G Biju George, AP/ECE.

• **ISF** at **SA Engineering College, Chennai,** organised a Mini Project Contest on **Mar 8, 2019,** adjudged by Shri RPB Sundaram, EC Member, IETE Chennai. About 25 projects were displayed by the group of 2nd to 4th Year students. There were three winners from IV year and three from II & III year.

• **ISF** at **Universal College of Engineering, Vasai,** organized "5th National Level Project Exhibition-cum-poster and Paper Presentation" under Oscillation-2019 on **Mar 8, 2019** in association with IETE Mumbai Centre. The dignitaries on the occasion were: **Mrs Suvarna R Bhise**, Vice-Chairperson IETE Mumbai & **Shri Vikram Mane.** About 1632 students (in 553 groups) participated. It was a national level event for the budding, aspiring engineers, academicians, and students of different colleges, in and around the region, to present their technical ideas through projects and posters. Projects exhibited were from various domains like electronics, computers, mechanical, civil, etc. Solutions to real life problems in agriculture, roadways, military, bridge design were proposed with the help of technology.

• A new **ISF** at Dept of ECE, **SRM Institute of Science and Technology, Vadapalani Campus, Chennai,** was inaugurated by Shri Tata Sudhakar, Scientist 'F', NIOT and Chairman IETE Chennai Centre, on **Mar 11, 2019**. Events were organized to mark the occasion. Eminent personalities present were: Dr K Duraivelu, Dean E&T; Shri Ponmudi, EC member IETE Chennai Centre & Former Dir, Doordarshan Kendra and Dr C Gomathy, HoD/ECE. The inaugural ceremony witnessed presence of many HoDs. Dr Gomathy gave the brief introduction on the background of ISF, followed by the welcoming note by Dr D Vaishali. Shri Tata Sudhakar explicated the topic "Technology for Society", motivating and inspiring all. He urged the students to acquire technical skills for use in the future. After inaugurating the forum, Shri Sudhakar distributed certificates and presented badges to the executive members of the ISF. Vote of thanks was proposed by the ISF Chairman. The **ISF** also organized the "5th National Conference on Research in Electronics Engineering and Communication Techniques – REACT – 19" successfully during **Mar 29-30, 2019.**

• **ISF** at **Shivajirao S Jondhle Polytechnic (SSJP), Asangaon, (MS),** organized a poster presentation competition under Oscillation 2K19 on **Mar 13, 2019** in association with IETE. Inaugurated by Prof Kirti Rajadhnya, EC member, IETE Mumbai; Ms Geeta, Principal, SSJP, Asangaon, the programme witnessed other dignitaries as well. Students presented posters on topics from emerging trends on electrical, computer and electronics fields. A total of 52 students participated in the group of fours and the event was judged by Ms Shweta Chanchlani, HoD/IT, SSJP and Prof Rahul Badhe, SSJCoET. The winners were: Raval Ritik, Sing Rahul, Yadawadkar Navneet, Bhoir Prachit and Kashish Gautam, Anushaka Dhonde, Gagandeep Kaur Jandu.

• **ISF** at ECE Dept, **Mohamed Sathak A J College of Engineering, Chennai,** organized a technical symposium on "ELECTRO–O–FEST – V3.0" on **Mar 14, 2019.**

• **ISF** at **K J Somaiya Institute of Engineering and Information Technology, Sion, Mumbai,** conducted various technical activities under Oscillations 2K19 on **Mar 16, 2019** in association with IETE. **Shri Gaurav Kumar**, VP & Head of Strategy- Special Initiatives at Reliance Jio, was the Chief Guest on the occasion. The event - **Technobitz** project competition, witnessed a total of 44 groups having 3-4 students per group. It was organized for the benefit of II/III year students, to enable them showcase their mini projects and creativity. Later they were questioned and offered suggestions on the views and ideas by the faculty judges. II/III students of Electronics, EXTC, IT & CE, KJSIEIT as well as other ISFs participated.

• **ISF** at **Bangalore Institute of Technology, Bangalore,** was inaugurated by Prof H S Bhatia, Chairman, IETE Bengaluru Centre on **Mar 18, 2019**. Guest of Honour, Prof C Murali, Former Vice-President, IETE, delivered a technical talk on "5G". Prof Jalaja, ISF coordinator also attended.

• A technical poster presentation was organized by **ISF** of **Gandhi Institute for Technology (GIFT), Bhubaneswar,** on **Mar 20, 2019** followed by a seminar on "Recent Trends in Telecommunication". Dr U S Panda, CGM, BSNL, Odisha & Sr Fellow of ISF, graced the function as Chief Guest.. Dr US Panda advised young engineers to have a strong will to pursue their dreams and continue climbing up the ladder in their career. Shri AK Pahi, Principal GM, BSNL, Odisha & Vice-Chairman IETE, Bhubaneswar was the Guest of Honour, who explained the changing

trends in telecom technologies & gave details on 5G & NGN technologies. Shri Nilamani Mohanty, FIETE, outlined the satellite communication systems & present launching systems in India. It was presided over by the Principal GIFT, who extended warm welcome to the gathering. Prizes for the best three poster presentations were distributed. Prof S Behere, HoD/ETE, proposed vote of thanks.

• **ISF** at **St Xavier's Technical Institute, Mahim, Mumbai,** organized a Circuit Building Competition under Oscillation 2K19 on **Mar 22, 2019** in association with IETE, inaugurated by the Chief Guest- Dr Sanjay Singh Thakur, Chairman IETE Mumbai Centre. Around 50 students from I, II & III year semesters participated to showcase their talents and knowledge. Chief Guest visited at each participant's table, encouraging & motivating them. Other dignitaries present were: Fr John Rose, Director XTECH; Dr Shivaji Ghungrad, Principal XTECH & Vice-Chairman IETE Mumbai and Shri Mahesh Munde, HoD. The co-ordinators were: Shri Stevenson D'souza, Shri Shankar Pansare, Shri Darshan Chavan, Ms Snehal Mane, Mrs Anushree Samant Faculty members of XTECH. The competition was judged by Shri Yogesh Wankhede, VJTI.

• **ISF** at **Thakur College of Engineering and Technology (TCoET), Mumbai,** organized an inter college quiz competition named 'Prashnottari-2019' on **Mar 22, 2019,** under the guidance of Dr S C Patil; Mrs Archana Belge; IETE faculty incharge; Shri Sunil Khatri and Shri Sumit Kumar of TCoET. The quiz was aimed not only to test technical knowledge of the students but their aptitude in the areas of current affairs, politics, sports, etc. Quiz competition helped students build up their soft skills in communication with others and ability to work in team. Total 18 groups with three students in each, participated. In all three rounds were conducted including verbal and buzzer rounds, and the winners were felicitated by Dr Patil.

• **ISF** at ECE Dept, **Kings Engineering College, Chennai,** organized a one-day Robotics competition on **'Robo-Ti-Kings'** on **Mar 23, 2019.**

• **ISF** at **SJC Institute of Technology (SJCIT), Chickballapur,** Karnataka, conducted a technical talk by Prof Narayana S Aiyer on **"Control Systems"** on **Mar 26, 2019.** Prof H S Bhatia, Chairman, IETE Bengaluru, attended as event's Chief Guest. Prof GK Venkatesh coordinated the programme.

• Dr Gaurav Gupta, AP/Punjabi University, delivered an expert lecture on "Data Mining" on **Mar 28, 2019** at the **ISF** unit of Dept of ECE, **Punjabi University, Patiala, Punjab.** ECE students of BTech and MTech attended and benefitted. It was organised by ISF coordinators, Dr Reecha Sharma and Dr Lovkesh.

• **ISF** at **VIVA Institute of Technology, Virar, (MS)** in association with IETE Mumbai Centre under Oscillation 2019, organized a Project cum Poster Competition "Convergence" on **Mar 28, 2019,** with the same motive**,** *i.e.* to provide a platform for budding engineers to present their creative and innovative engineering ideas & solutions and to interact and learn from experts. The event was classified into 3 categories like Major Project, Mini project and Poster Competition. The VIPs were: Shri C A Anto, Dir, Terminal Technologies (I), Pvt. Ltd; Dr Harish Luhar, Dir of VIVA IMS, & Dr Arun Kumar, Principal, VIVA Institute of Technology. A total of 252 students (77 groups) attended, out of which 53 students (14 Groups) from various colleges participated and displayed their technical potency.

IETE in News . . .

Community Awareness Programme by ETC Dept, ISF, Rajarambapu Institute of Technology (RIT), Islampur, (MS)