FROM PRESIDENT'S DESK

I take this opportunity to convey my good wishes and greetings to IETE fraternity for the festive season. I am grateful to the IETE Governing Council for reposing confidence in me for the high position of the President. I am assuming office with deep sense of honour, pride and dedication. I sincerely acknowledge the greetings and good wishes from all of you. I look forward to your enthusiastic support for enhancing the activities of the Institution in the years ahead.
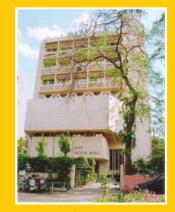
IETE has an excellent record of growth and achievements during the last 57 years of its existence. I feel that apart from attention on optimization of our earlier gains, there is a need to identify and use different learning strategies in our thrust areas to improve the performance of our students. ICT, the future driving force of economies, a tool & an enabler, pushes the boundaries of socio-economic development of any country and should be given high priority in all our mainstream learning and developmental activities. We need to initiate and set into motion some definitive action plans for the betterment of the student community. I would welcome and cherish to receive and share new ideas from our Centres and members for the growth of our Institution.

Integrating the ICTs in learning and helping Govt of India in its quest for "Education to all", IETE through its 57 Centres spread all over the country is trying to contribute to nation's higher education system. The issue of education to all & its effectiveness is being addressed with the use of technology like our EDUSAT programme which aims at providing qualitative change in learning through virtual classroom. I am happy to inform that IETE will be moving a step ahead by implementing webcasting through which students will be able to view the lectures and programmes live, anywhere in the world. We are trying to promote value and skill based education at affordable cost. In this task, IETE has an open mind to collaborate with other like minded organizations.

Keeping in mind the building of inclusive society, we are working on two themes- dissemination of knowledge and serving our nation. As we move ahead to achieve these goals, we seek your continued support. The road ahead is long, climb may be steep but I believe walking together could make the journey more fruitful and enjoyable.

R K Gupta

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IETE HQs, New Delhi

Warm
Diwali Wishes!!!

May this festival of lights bring happiness & prosperity to all

News From Headquarters

53rd Annual Technical Convention of IETE

Making Telecom & IT- Green: Challenges & Road Ahead" was the theme of 53rd Annual Technical Convention of IETE, held at India Habitat Centre, New Delhi during 25th-26th Sept 2010. The topic was chosen keeping in mind the huge energy consumption by telecom & IT industry and its adverse impact on the environment. The overwhelming growth of mobile communications & internet users in the country made the experts ponder about the serious & far reaching impact on the environment and life in general. The conference was very well organized and attended by large participants of engineers, academicians, professionals, R&D organizations, defense etc. It brought forth successfully

Inaugural of the 53rd Annual Technical Convention. Seen from L- R : Dr K Radhakrishnan, Lt Gen A K Agarwal, PVSM (Retd), Shri R K Gupta and Prof Bikash Sinha.

the necessity & potential of green technologies in the four technical sessions of the convention.

The inaugural address commenced with the welcome address and overview of the theme by Shri R K Gupta, Chairman, Technical Programmes Committee. The Presidential address was delivered by Lt Gen A K Agarwal, PVSM (Retd). He emphasized the need for coordinated action plan for achieving global objectives of green technologies. Dr K Radhakrishnan, Chairman ISRO & Secretary, Dept of Space, Bangalore, was honoured with Honorary Fellowship of IETE by the outgoing President of IETE for his contribution in the area of Science & Technology. Shri P N Chopra, DIG, BSF (Retd) and Prof (Dr) K K Bhutani, Director, UPTEC, Computer Consultancy Ltd, Allahabad, were conferred Distinguished Fellowships of IETE. Long Serving Retiring Council Members – Shri K Babu Rao (in absentia), Prof S S Agrawal and Dr (Mrs) Sneh Mohan were also honored during the occasion.

Shri R K Gupta was installed as the President of IETE by the Chief Guest during the inaugural session of ATC on Sept 25, 2010. Brig V K Panday (Retd), Secretary General IETE, introduced Shri R K Gupta to the assembled fraternity. Lt Gen Ashok Agarwal, PVSM (Retd), the outgoing President expressed confidence that under the able stewardship of Shri R K Gupta, IETE would surge ahead. Shri R K Gupta in his address conveyed his thanks to all the Council members for reposing confidence

in him as the President of the Institution. Quoting from the speeches of Dr Manmohan Singh (India's Prime Minister) and Mr James Madison (United States Fourth President), he said that IETE would always be guided by their inspiring thoughts and strive hard to see that every Indian is its own Governor by acquiring adequate knowledge, as per their quotes. Outlining his agenda he emphasized that IETE shall join hands with like minded organizations like IGNOU, ISRO and AICTE etc for accomplishing the set task and reiterated IETE's efforts to promote extensive use of ICTs for upliftment of the people in the rural areas; efforts to adopt all feasible media tools & applications to disseminate education like it is executing through EDUSAT network bringing interactive education via virtual classrooms. He mentioned that in the coming years for proper access to its members & students, IETE's thrust area would be to bring closer the IETE Centres and Students community especially in the North-East States and to adopt some practical measures for their welfare. Announcing the newly constituted Committees, Boards and other functionaries of IETE, he hoped that together with their & Council's help he would be able to fulfill the aspirations & expectations of all.

Dr K Radhakrishnan, Chairman ISRO & Secretary, Dept of Space, Bangalore, the Chief Guest at 53rd IETE ATC, in his inaugural address said that he was honoured & privileged to accept the Honorary Life Fellowship of the institution and acknowledged the great effort IETE was putting up for the outreach of technical education in the country. Talking of the Indian Space Programme he said that it was inspired by a vision to utilize space for the common man, a vision shared, sustained and enriched as it evolved over the past five decades. Today, he said that the fruits of space research were reaching the common people and society, touching their daily life, be it a fisherman, farmer, student, patients from remote areas, an administrator or a policy maker. He talked about Indian satellites designed to provide global data on ocean colour and winds like Oceansat-2; the development of GSAT4 satellite with Ka band transponders and onboard processing; successful launch of high resolution satellite-CARTOSAT 2B and four co-passenger satellites; launch of an earth observation visualization portal called Bhuvan; ISRO's next generation launch vehicle GSLV Mk III with the successful static testing of its L-110 liquid core stage and the strap-on solid motor S200 and the future launching of Resourcesat-2, Radar Imaging Satellite and

GSAT-12; GSAT-5P & GSAT-7 to be launched by GSLV and Hylas satellite. He revealed that Indian space programme was on the threshold of a transition towards developing newer capabilities, perspectives and directions with a quantum jump in the missions for next years, towards increasing the availability of transponders, enhancing capability for Earth Observation including microwave imaging. He also talked of ISRO's future plans & developments on the navigational front and its partnership programmes / collaborations with other countries for various future projects. He informed that in future ISRO's focus would be towards low cost access to space, earth observation for environment monitoring and climate change. He also told about ISRO's initiative on studies of critical technologies for human spaceflights.

The Chief Guest and the dignitaries released the ATC Souvenir-cum-Proceedings before the IETE Annual Awards (2010) announcement. Best Performing Centres/ Sub-Centres Awards for the year 2009-10 were bagged by **IETE Delhi Centre** (1st Prize), **IETE Mankapur Centre** (2nd Prize) and **IETE Dharwad Sub-Centre** (1st Prize).

Dignitaries releasing Souvenir cum Proceedings of ATC 2010

The **42nd Bhabha Memorial Lecture** was delivered by **Prof Bikas Sinha,** Homi Bhabha Prof, Dept of Atomic Energy, Variable Energy Cyclotron Centre, Kolkata, on the subject **"Sustainable Clean Energy Resource- A New Paradigm for Saving the Earth".** He mentioned that along with Greenhouse Effect, Global warming and its adverse effects on the planet were indeed the threatening prospects. Therefore the dependence has to be on non-conventional energy sources, such as nuclear, solar and other renewable resources along with more environmentally friendly fossil fuels like coal and oil. In his

address he discussed the seriousness of the carbon dioxide induced greenhouse effect and an efficient route of producing clean energy. Direct relevance to eastern India was also touched upon in his address.

The Technical Session–I on **"Green Telecom Technologies-I"** chaired by **Lt Gen D P Sehgal, PVSM, AVSM, VSM (Retd)** featured lectures by **Shri Rajiv Mehrotra,** Chairman Shyam Telecom Ltd; **Dr Pawan Kapur,** Dir, CSIO, Chandigarh on "ICT for Green City-Issues & Concern"; **Col Mahesh Khera** on "The Operations of Telecom Networks & Data Centres" and **Shri R K Vohra,** Vice President, Tata Technologies, on "Green Technology". The Technical Session –II was on **"Green Telecom Technologies-II"** chaired by **Shri Sushil Kumar Jewarajka,** Chairman Artheon Group, CMD Essjay Ericsson Pvt Ltd and Chairman FICCI, Western Regional Council. This session contained lectures by **Shri T R Tua,** DDG, COAI, who spoke on "Green Telecom:Indian Perspective and Green requirement in the sector"; **Shri Mrinmoy Chattaraj,** a cool IT campaigner, expressing his concerns on issues related to energy footprint of the ICT Industry and ICT sector's role in developing sustainable technological solutions in mitigating climate change. He talked on "Use of Energy Efficient Telecom Towers"; **Gp Capt K P Gowd,** Systems Branch, HQ SFC, Delhi Cantt, New Delhi, spoke on "Parameters for Selection of a Green ICT Product" and **Shri Vipin Tyagi,** Director C-DoT on "Green Telecom & IT" for optimizing WWF(Water Watts & Food) through broadband".

The Technical Session–III was deliberated on **"Green Environment-I"** chaired by **Maj Gen V K Passi (Retd).** Speakers in this session included **Lt Col Maneesh Joshi,** Army Technology Centre, HQ Tech Gp, EME, who spoke on "Looking into serious problems of e-waste Management"; **Shri Abhishek Pratap,** a senior Green Electronics Campaigner from Green Peace India, spoke on "E-Waste Management in India"; **Ms Subhalakshmi Krishnamoorthy,** Scientist, LEOS, ISRO on "Solar Energy for powering Telecom and its Equipment & Devices" and **Gp Capt Apte,** who spoke on behalf of Shri M G Kulkarni, highlighting the "Use of ICT Technology for Reducing Pollution of the Planet & Eco-Friendly to Improve the Quality of Life". The concluding Session IV **"Green Environment-II"** was chaired by **Maj Gen T M Mhaisale,** Commander HQ Tech Gp, EME. The issues discussed in this session were by **Brig A S Nagra,** HQ

Tech Gp, EME, on "Radiation effects on Telecom Towers"; **Prof V R Singh,** Scientist, Dir, Distinguished Researcher, NPL, New Delhi, on "Ubiquitous Green E-Technology for better Environment"; **Ms Parimita Mohanty,** Research Associate TERI, expressed her views on "Potential for Energy Conversation and Use of Renewable Energy Technologies in the Telecom Shelters" and **Shri Bal Kishen,** Dir, TEC on "Radiation Effects of Mobile Services".

In the valedictory session the Chief Guest was **Prof P B Sharma,** Vice–Chancellor, Delhi Technological University, who in his speech said that going green meant going back to nature, it also meant handling definite spectrum, technologies and convergence. He said that atleast green waves were being created in such kind of green conventions but cautioned about underlying huge challenges which required advance R&D; developing of intelligent & smart materials, energy efficiency; energy e-cycling; greater visibility, more awareness and connection of mind with mind. He appealed to IETE to promote the

A view of the audience at 53rd Annual Technical Convention.

'element of pancharas' for sensitizing one and all. The panelists in the panel session included Lt Gen D P Sehgal, PVSM, AVSM, VSM (Retd); Maj Gen V K Passi (Retd); Maj Gen T M Mhaisale; Shri R K Gupta, President IETE; Lt Gen A K Agarwal, PVSM (Retd) and Brig V K Panday (Retd). Best Paper Awards Ceremony was also held prior to the panel discussion. The pre-convention meetings on 24 Sept 2010, included Students' Session followed by presentation of IETE Academic Awards; Council Meetings, 56th Annual General Meeting and 1st (2009-2010) Special General Meeting of IETE. The Convention came to close with proposing vote of thanks by **Brig V K Panday (Retd),** Secretary General, IETE.

IETE Apex Forum

IETE Apex Forum Meeting on **"Developing India into Telecom Equipment Manufacturing Hub-Opportunities & Challenges"** was held on 01 Sep 2010 at IETE, New Delhi. **Shri Arun Maira,** Member Planning Commission, Govt of India, was the Chief Guest. The Guest of Honour, **Shri Rajiv Mehrotra,** President TEMA, and Chairman, Shyam Telcom Ltd, delivered the keynote address. **The expert panelists** included: Shri Vipin Kumar, Sr DDG, DOT; Shri Bharat Bhatia, Regional Director, Motorola India Ltd; Shri Vipin Tyagi, Director & Member of Board, C-DOT; Shri R K Jain, IAS, Chief Joint Secretary, NMCC; Shri Aditya Dixit, Quad Electronics Solutions, Hyderabad; Shri T V Ramachandran, Regional Director , Vodafone Essar Mobile Services Ltd and Shri Vinod Sharma, ELCINA. **Shri P P Malhotra,** Chairman Industrial Coordination Committee (ICC) gave the welcome address and an overview of the Apex Forum. He mentioned of a world class network of telecom services established in the country, but yet to be realized was the underlying objective of NTP 1999 policy which directs to strengthen R&D efforts in the country and to provide an impetus to build world class manufacturing capabilities.

Shri Arun Maira, Member Planning Commission, the Chief Guest, addressing the forum.

He mentioned about the country's successful technology leadership & indigenization in space and in establishing sustainable eco-system in the Auto industry. **Shri R K Gupta,** President-Elect & Co-Chairman, ICC, in his address emphasized on having India's own manufacturing power, for which he said Govt. should encourage industry and give incentives and have its own technology. Shri Gupta ruled out the possibility of adopting 'swadeshiness' as it would not work in this competitive world, unless India is strong enough in terms of cost & reliability. **Shri Rajiv Mehrotra,** President, TEMA and Chairman, Shyam Telecom, emphasized on the intellectual knowledge of the product development;

the creation of IPRs; data products, source codes or software codes rather than pleading from outside; the need to follow China's policy of protecting local telecom industry and on R&D cess for R&D funding.

Shri Arun Maira, Member Planning Commission, expressed a great concern about the shallow & fragile condition of industry in the economy. He mentioned the mid-term appraisal of the 11th five year plan by the Planning Commission revealed India's failing to build manufacturing capacity and intellectual property development within the country. The Planning Commission was keen to accelerate the growth of the genuine industry in the country and suggested that IETE being a scientific & professional society should be unbiased and neutral with regard to information and should take down the point of views from all associations, bodies associated with the sector, analyze the information and then evolve a consensus policy view to place before the government with no conflicts of interests. He suggested manufacturing bodies to play out their stories by suggesting what things were being done & anticipate the reactions to those things and then convey their role. **President IETE, Lt Gen A K Agarwal, PVSM (Retd)** in his address assured neutrality & professionalism of IETE and it's working for the interest of the technology to meet common objectives & goals of the country. He mentioned about the TRAC Committee in IETE having the same role i.e. to analyse the global trends of new technologies, taking into account all related techno-economic aspects and highlighting the issues which were affecting Telecom industry and then passing it on to the Govt. or Policy - makers. IETE, he said, was ready to take a lead and create a database and awareness among the fraternity so that right path is shown.

Lt Gen A K Agarwal, PVSM (Retd) with the Chief Guest, Shri Arun Maira.

Shri Vipin Kumar, Sr DDG, emphasized on establishing a culture of innovation, mandatory R&D Centre by the manufacturers, establishing of a nodal agency, formulation of a policy framework congenial for Indian manufacturing, a well articulated manufacturing strategy and its effective implementation; setting up of a nodal agency for telecom manufacturing. **Shri Vipin Tyagi, Director,** Centre for Development of Telematics (C-DOT) emphasized on cultural adaptation of products & innovation; control on slow dumping of technologies; creation of ecologies by indigenous inputs for components; state-of-the-art R&D, creation of systems and producing market oriented products; addressing the R&D into manufacturing cycle; building of confidence in the policies, having credible databases and indigenous inputs. **Shri T V Ramachandran,** Regional Director, Vodafone Essar Mobile Services Ltd, mentioned about having no supporting manufacturing base but the presence of demand pull from the consumer industry; need of looking into the duties/ levies/ taxes in the sector; need of product innovation to meet consumer's requirements; involvements & participations of India in international forums on formulation of standards. **Shri Bharat Bhatia,** Regional Director Asia, Motorola GGA, spoke on "Developing an Eco-System for Telecom Equipment Manufacturing" and emphasized on planning of the core strategy and implementation of correct policy directions, of having own IPRs and technology, developing eco-system etc were some of the points raised, aiming to help India become a manufacturing hub.

Shri Vinod Sharma, ELCINA, pointed out that component industry in India was destroyed by making it uncompetitive that has led to the closure of many companies in the country. Constraints of high freight cost within the country adding to manufacturing cost; poor infrastructure of power & transport causing delays and adding to manufacturing cost, were the factors to be blamed apart from necessity for setting up cluster approach to establish sustainable eco-system in telecom manufacturing and tax relaxation. **Shri Aditya Dixit,** QUAD Electronics Solutions, Hyderabad, talked of missing specialization corridors, market maturity, lack of logistics and finances. The key remained in convincing the Indian Telecom Service providers to support Indian manufacturing through a combination of policy measures and sound economic logic. **Shri R K Jain,** the National Manufacturing Competitiveness Council (NMCC) explained the motive of its organization and assured to provide an integrated support through his channel towards the effective outcome of the forum.

Some of the salient recommendations that came out after expert's views during deliberations in the Interactive session of this Apex Forum were : **Building Intellectual Property and strengthening R & D; Telecom equipment testing & certification facilities; Stimuli to domestic industry by creating a strong market pull; Boosting Telecom Exports; Enabling Policy Initiatives & Rationalise Tax Structure; Establishing of a Nodal agency; Clusters/SEZs Development and boost to Electronic Component Industry.**

Nominated Members of Governing Council of IETE

The nominated members on the IETE Governing Council for the year 2010-11

Shri P S Sundaram is the Managing Director, Technomedia Solutions Pvt Ltd, New Delhi. He has to his credit 35 years of experience in the Electronic Media. Earlier he had served AIR & Doordarshan, BECIL (as Founder Dir & First Chairman& MD), Intelivision Ltd (as Dir & CEO). He was also closely associated with BES (I) and was its President from Oct 2007 to Sept 2008. Shri Sundaram is also a Life Fellow of IETE.

Prof B P Sinha has obtained degrees of M Tech & PhD from University of Calcutta. He joined Faculty of Electronics, Unit of Indian Statistical Institute, Calcutta in 1976 and became a Professor in 1987. He was also a Visiting Faculty of the Dept of Comp Science of Southern Illinois University, Carbondale, USA; Univ of Central Florida, Orlando and Clemson University, South Carolina. He was an ISRO-Chair

Professor during 2000 in the IIT, Kharagpur, at the Dept of E&ECE and G S Sanyal School of Teleommunications Engineers, India. His recent research interests include: Parallel and Distributed Computing, Mobile Computing and Algorithms. Prof Sinha has received the prestigious Homi Bhaba Award of the UGC for outstanding contributions to Applied Sciences. He is a Fellow of IEEE, USA and the Fellow of the Indian National Academy of Engg, National Academy of Sciences and the IETE.

Prof Prem K Kalra, Director, IIT Rahjasthan, is a PhD from University Manitoba, Canada and MTech from IIT, Kanpur. He has vast working experience as a senior faculty. Under the leadership of Prof Kalra, IIT, Rajasthan, is developing a new campus in Jodhpur, which is being designed as truly integrated green campus. He has been deeply involved in the National Mission of Education through ICT (NMEICT) of the

Ministry of HRD, Govt of India since its conceptualization stage and continues his involvement today as the Mission coordinator. He with his team members were involved in the design, testing and optimization of $35 laptop- one of the major initiatives taken by NMEICT. He has also contributed to a Mission Mode Project on e-learning of the Ministry of Human Resource and made significant contributions in the field of Neural Networks. His applications illustrate advancement of both theory and applications in the area of Neural Networks,

Power Systems, Transportation, Rapid Prototyping, Aero Dynamics and Sensors. His team has focused in developing innovative solutions for implementing the outreach program for linking IITK with engineering colleges in Chattisgarh and the Indo-French Cyber University (University of Paris IV). His field of specialization is Electrical Engineering (Neural Networks, Fuzzy Logic and its applications). His contributions exemplify innovativeness and originality in application to solve critical problems.

Important Visitors to IETE HQ

Shri Dorji Wangchuk, Media Director, Bhutan

Shri Dorji Wangchuk, Media Director, Royal Office for Media, His Royal Highness, King of Bhutan, visited IETE HQs on 19 Oct 2010 on the invitation from **Shri R K Gupta,** President IETE. In the meeting Shri R K Gupta briefly highlighted the areas and vision of IETE and solicited a working bond with telecom fraternity of Bhutan. **Brig V K Panday (Retd),** Secretary General IETE, gave a brief presentation about the activities of IETE, its objectives and achievements. The dignitaries were also apprised about the institution's MoUs with other scientific professional societies like IEEE (USA), IEEE ComSoC (USA), IEEE-MTT-S(USA), IET (UK), IGNOU, IE (I), CSI, C-DAC, etc. Available local Council Members were also present in the meeting and had a brief interactive session with the delegates. The President IETE also proposed the establishing of 2nd International IETE Centre at Bhutan in the near future to promote technical education in Bhutan as for constructive contribution from IETE. Shri Dorji Wangchuk appreciated the yeoman's services of IETE to the society and assured its full support in pursuing a bilateral professional relationship with institutions like IETE in India. He promised to revert on the subject after consultations with his Govt, setting up of IETE Centre at Bhutan and also having a MoU with IETE. The visit ended with good prospects for IETE and future relationship with Bhutan.

Prof S S Mantha, Chairman, AICTE

Prof S S Mantha, Chairman, AICTE visited IETE Hq on 27 Aug 2010 on the invitation from **Lt Gen A K Agarwal, PVSM (Retd),** President IETE. Local Council Members also participated in the meeting. The President appreciated the initiatives of AICTE in promoting the professional societies and their activities particularly involving the interest of the students community. He highlighted the contributions of IETE especially to students from underprivileged section of the society for acquiring professional technical qualifications. **Brig V K Panday (Retd),** Secretary General IETE, made a presentation on activities of IETE highlighting the number of students on its rolls, infrastructure available for students, academic activities spread all over the country and contribution of IETE Centres. **Shri R K Gupta,** President-Elect IETE, used the opportunity requesting to place IETE's recommendation for AMIETE Examinations as recognized by Dept of Education, Govt of India, for inclusion in AICTE's website so that the students are encouraged to join IETE and also boost their confidence. The Chairman AICTE promised to look into the matter for suitable action. The meeting ended with thanks to the Chairman AICTE for their regular support to IETE in promoting growth of electronics & telecommunications in general and meeting the requirements of students' community of IETE in particular.

Bhutan delegation with IETE President & Members of Governing Council

Prof SS Mantha in IETE

News From Centres

The technical activities conducted by the IETE Centres - Sub-Centres in the recent months were :-

Bengaluru

- Short term course on **"Embedded system Design using Microcontroller"** and guidance class of **"Control Engineering"** were held on 11th July 2010 and another short term course on **"VLSI Design"** commenced on 25th July 2010.

- **Prof K Srinivasan Memorial Lecture** on **"Time & Indian Navigation Timing Networks"** by **Dr Surendra Pal,** DFIETE, Prof Satish Dhawan, Professor & Senior Advisor, Satellite Navigation, ISRO, was conducted on **15th July 2010. Wg Cdr HR Parthasarathy,** Chairman, IETE Bangalore Centre, presided over the function.

- Immediate Past President IETE, **Lt Gen A K Agarwal, PVSM (Retd),** visited the Centre on 10th Aug, 2010 and had a meeting with the Executive Committee.

- A short-term course on **"Advance Hardware Design"** by **Shri Malhar Deshpande** was started on 14th Aug 2010.

Chandigarh

A technical talk on **"Unique Identity (UID) Project –The AADHAR"** was held at IETE Chandigarh Centre on 18th Sept, 2010, organized jointly by IETE and CSI, Chandigarh. The distinguished speaker on the occassion was **Maj Gen Sudesh Kumar (Retd),** Fellow-IETE & Ex-Additional Director General –Corps of Signals, Army HQ, who covered the concept, the institutional structure, biometrics, numbering scheme, benefits and critical issues concerning the project. The talk was highly informative and generated a lot of interaction amongst the participants and appreciation.

Chennai

- A technical lecture on **"Evolution & Concepts of Wireless Technology in eHealth"** by **Dr V Thulasi Bai,** Professor & Dean, Sriram Engineering College & Executive Committee Member, Chennai, was delivered on 22nd Sept 2010. The Chief Guest of the session was **Shri A Ganesan,** DGM (Retd), BSNL, Chennai Telephones & Former Chairman, IETE Chennai Centre.

- **"Nanotechnology-An Overview"** was the technical lecture delivered by **Shri R Venugopal,** IBES (R) Director (Retd), AIR & Doordarshan, Chennai on 28th July 2010.

Dharwad

A national conference on the theme **"Convergence of Communication, Signal Processing and VLSI Design"** was held on 13th -14th Aug 2010 at SDMCET, Dharwad. **Dr Mahadevan,** Scientist 'H' ISRO, Bangalore, was the Chief Guest. He emphasized on taking maximum benefits of such kinds of interactive sessions which could help buddy engineers to take up research work in their domain. Around 40 participants from different parts of the country presented their technical papers.

Imphal

The **43rd World Engineers Day** was observed by IETE Sub-Centre on 15th Sept 2010 on the theme **"Climatic Change, its Effect and Challenges before the Engineers". Shri Kh Bodhachandra Singh,** Director, DOEACC Centre, Imphal; **Shri H Kulachandra Singh,** Jt Director, Manipur Police Wireless and **Shri Kh Rajen Singh,** State Informatics Officer, Manipur, graced the function as Chief Guest & Guest of Honours respectively. **Shri N Debachandra Singh,** Chairman IETE, Imphal presided over the function. Dr Kh Manglem Singh, Scientist 'E', DOEACC Centre, Imphal; Shri L Narendra Singh, Faculty Computer Science, DOEACC Centre, Imphal and Shri D K Srivastava, Systems Station Engineer, AIR, Imphal, deliberated on the topic of "Climatic Change and Role of AIR, Imphal, in development of Manipur." The gathering emphasized the need on mass awareness towards climatic changes and role of engineers in tackling the problem.

Jammu

A two-day Zonal Seminar on the theme **"Trends in Communication Technology"** in collaboration with the Department of Computer Science and IT, University of Jammu, was organized by the Centre on 10th -11th September, 2010. The seminar was inaugurated by **Dr Manohar Lal,** Honorable Minister of State for Science and Technology, the Chief Guest. The Guest of Honor was

Prof Varun Sahni, Vice Chancellor, University of Jammu. **Lt Gen Ashok Agarwal PVSM (Retd)** President IETE, New Delhi, presided over the function. Dr Manohar Lal in his address appreciated IETE initiatives for spreading awareness in the field of technology. He emphasized that J&K Govt is keen to use the ICT technologies and e-governance to achieve the results effectively. Prof Varun Sahni, Honorable, Vice Chancellor, said that the technology sector was leap forging ahead and had played an extremely important role in meeting the social needs of the society. It had helped in developing the skills. He further elaborated that the ICT project is in the advanced stage of implementation in the University. Lt Gen Ashok Agarwal PVSM (Retd) elaborated on the initiatives taken by IETE at the national level. Prof Devanand, Head, Dept of Computer Science & IT, University of Jammu, stressed on the need of holding such interactions for the benefit of the students and the scholars. Shri Joy Ganjoo, Chairman IETE Jammu Centre, laid emphasis on the importance of the latest communication technologies in the country. Wg Cdr D N Misra, (Retd) IETE Zonal Coordinator North, appreciated the enthusiasm shown by the students and the members of IETE Jammu Centre. Dr Pawanesh Abrol, Hony Secretary, IETE Jammu Centre, proposed the vote of thanks.

Forty six students participated in two workshops namely **"Advanced Image Processing and Embedded Technology"** conducted by **Prof Parveen Lehana** and **Er Vikram Choudhary** respectively. Besides, there were technical talks by **Air Cmde S S Motial, Shri S N Gupta,** Former Sr Advisor, TRAI, Govt of India, and **Shri Rajiv Goyal,** DGM BSNL, Jammu. **Prof Rajnikant,** Head, Dept of Physics and Electronics, University of Jammu, the Chief Guest of the valedictory session laid emphasis on the latest developments in the materials, crystallography and X-rays. He further suggested that the Dept of Physics and Electronics shall have the joint ventures with IETE Jammu Centre. The vote of thanks was by Dr Rakesh Vaid, Hony Vice Chairman, IETE Jammu Centre. Students of SOS Village Jammu, displayed their paintings on the theme which were appreciated by all.

Kochi

- **Inauguration of IETE-IEEE Technical Talk Series:** College of Engineering, Cherthala, became the platform for the inaugural session of the technical talk series conducted by IETE Kochi Centre and IEEE Kerala section on the 16th July 2010. The welcome speech was delivered by Shri Rahul R G, the chairman of IEEE student branch of the college and

presidential address was by **Dr T K Mani,** the College Principal. The event was inaugurated by **Shri Suresh Narayanan,** GM, FA Network Reliance Communication Limited and Vice-Chairman, Communication Society Chapter of IEEE Kerala section 2010. He explained about the activities of IEEE Kerala section and encouraged the students to learn the most out of the program. The felicitation was given by Prof M V Rajesh, Staff-in-Charge IEEE Student Branch & Hony Secretary, IETE Kochi Centre. **Shri Chandrabose J,** Head of O&M, MTS Mobile, Kerala, delivered the technical talk on the topic **"3G/ LTE".** Prof Ashok Kumar, HOD-ECE and Shri Gokul Das, GMR Reliance Communication Ltd were also present on the occasion. It was very informative as well as interactive session for the students. It helped them to know more about the developments in wireless technologies over the ages. The mementoes were presented by HOD of Electronics and Communication Dept, Prof Ashok Kumar. The programme concluded with the vote of thanks by Ms Archana A.

- **Shri Shouvick Mukherjee,** Vice-President of Yahoo India(Research and Development), inaugurated the two-day seminar on **'Web Technologies: Emerging Trends and Social Impacts',** organized jointly by IETE Kochi Centre, IEEE Kerala Section, IE(I) Kochi Local Centre and CSI Kochi Chapter on 30th August, 2010. Shri Mukherjee said that the company has been able to provide extensive user-based information on a variety of areas and themes and web technologies have opened up several opportunities for the society. **Shri Anand Parthasarathy,** Editor of India Techoline.com said that Internet is a great leveler,

Shri Shouvick Mukherjee lighting the lamp. Also seen (From L to R) Shri Suresh Narayanan, Prof M V Rajesh, Shri Anand Parthasarathi, Shri G Viswanathan, Shri B Parameswaran and Shri T Sreeprakash.

providing equal services to all. It also helps in reducing the gap between small and big enterprises. He said, the Indian Corporates ignore the challenges and opportunities of the mobile smart phone and other Internet-enabled personal devices at its own peril. It may look like a small local business today, but there was a big global market place outside. Shri G Viswanathan, Vice-President of IE(I); Shri B Parameswaran, Chairman, IETE Kochi Centre; Shri S P Soman, Chairman, CSI, Kochi; Shri Suresh Narayana, Vice-Chairman, IEEE Communication Society; Shri T Sreeprakash, Programme Coordinator; Mini Ulanat, Regional student co-ordinator of the CSI and Shri MV Rajesh, Hony Secretary of IETE Kochi Centre were present and spoke during the event.

- **IEEE and IETE to recognize innovative Student Projects in Kerala: Shri Suresh Narayanan,** Vice-Chairman of IEEE Communication Society, appealed the student community to come forward with innovative project ideas that could be developed into useful market products for the society and promised the students that such ideas if technically viable would be recognized and promoted by the IEEE and IETE expos. He was delivering the introductory talk in the KMEA Engg College, Edathala, as part of the "IEEE-IETE TECHNICAL TALK SERIES", on 19th Aug 2010 organized by the ISF, of the college. This was the fourth talk in the series which coincided with the second major event conducted by the IETE Student Forum of the College. The technical talk series is a new joint venture of the two major professional bodies IEEE Kerala Section and IETE Kochi Centre to enhance professionalism in engineering and technical education. As part of the program, expert talks and interactions with students have been planned at various technical institutions across the state. Colleges and institutes can contact the IETE **Kochi Centre office at 04842369944 / E-mail: kochi.iete@gmail.com** for detail. An invited talk on **"Robotics"** was delivered by **Dr James Kurian,** Reader in Robotics and Artificial Intelligence, Department of Electronics, CUSAT, on the occasion.

Mhow

15 Sep 10 - IETE students from Indore, visited MCTE, Mhow, where they were briefed on MCTE and shown the various technical facilities in the college. The event culminated with a faculty – student interaction over tea.

18 Sep 10 – A technical workshop on **"OFDM Technologies"** by **Asstt Prof Aditya Jagannathan,** IIT Kanpur, at MCTE was arranged.

Nagpur

- A workshop on **"PCB designing using ORCAD"** was held from 22nd July to 24th July 2010 at JD College of Engg, Nagpur. The invited faculty was **Shri Abhay Deshpande** from YCCE, Nagpur.

- A two-day workshop on **"Embedded System Design using Microcontroller"** held on 7th & 8th Aug 2010 at SRKNEC, Nagpur.

- A one-day workshop on **"PCB designing using ORCAD"** was organized on 17th Aug 2010 by Dept of E&T of ISF, BD College of Engineering, Sewagram, Wardha by **Shri A P Malode,** SDMP, Nagpur.

Navi Mumbai

- A one-day workshop was arranged by the Centre at EE Dept, A C Patil College of Engineering, on **"Introduction to ARM"** on 1st Sept, 2010. **Prof V N Pawar,** Chairman, IETE Navi Mumbai Centre inaugurated the function. **Shri Jivan Katariya,** Director of SPJ Pvt Ltd, Pune, delivered lecture on "Introduction to ARM Microcontroller" in first session and then "Hands on Training" in afternoon session. Around seventy students and staff members attended the workshop.

- A one-day seminar was arranged at EE Dept, A C Patil College of Engineering on **"Satellite Communication"** on 16th Aug, 2010 by **Dr M S Shah,** HOD EXTC Department, Fr Angel College of Engineering, Navi Mumbai. Around 80 students and 10 staff members attended the function. **Dr D G Borse,** Principal, was the Chief Guest.

Palakkad

- **Shri C K Haridas,** Past Chairman and Director IETE Academic Centre, Palakkad, inaugurated **DipIETE course in SSM Polytechnic College, Tirur, Malappurum Dt, under Palakkad Sub-Centre** on 19th Aug 2010. **Maj K Ameer Ali,** Principal, SSM Polytechnic, presided over the function. Shri T A Mohammed Ziyad, Backup Manager (CE Cell), delivered welcome speech and Shri C P Abdul Lateef, Coordinator, proposed the vote of thanks.

● Under the joint auspices of IETE Sub-Centre Palakkad & ISF, HRD College of Applied Sciences Vadakkancherry, **Shri C Pradip,** Hony Secy of the Centre, inaugurated the technical organizations of the college, PULSE & CASCA and delivered a lecture on **"Hard & Soft Skills".** The others who participated were : Shri Pradip Somasundaram, Principal; Shri C K Haridas, Past Chairman of the Centre and Shri T S Subi, HOD (ET Section).

Rajkot

The Centre observed **42nd World Telecommunication & Information Society Day** on the theme **"Better City Better Life with ICTs"** on 17th May 2010 jointly with IE (I) Rajkot Chapter & Atmiya Institute of Technology & Science, Rajkot. **Dr S A Puranik,** Director- AITS, Rajkot, was the Chief Guest & **Er Rajesh Jain,** Suptd Engineer (AIR) was the Guest of Honour of the function. Dr Anand Bhaskar, Dept of Electronics, Saurashtra University, Rajkot, delivered the keynote speech.

Salem

The Sub-Centre conducted the **Edison Memorial Guest Lecture** on **"Digital Video Sound Recording"** by **Shri M Venkatesh,** Quality Head, Prasad EFX Pvt Ltd, Chennai, on 04th Oct 2010 at Sona College of Technology, Salem .

Sivakasi

The Sub-Centre organized "**1st TechnoBlaze'10"** Lecture cum Group discussion on 19th Aug 2010 at Mepco Schlenk Engineering College, Sivakasi. **Dr (Mrs) R Shanta Selva Kumari,** Hony Secy, IETE Sivakasi Sub-Centre presided over the function. The keynote speaker on the occasion was **Dr S Arivazhagan,** Prof & Head, Dept of ECE Mepco Schlenk Engg College, who spoke on **"Microwave Imaging and its Applications".** He explained the basic concepts, microwave imaging techniques, advantages and its wide applications.

Tirupati

A national workshop on **"Advanced Radar Signal Processing"** was organized on 1st-2nd May 2010 in collaboration with SVU College of Engineering, Tirupati. About 100 participants both teachers and students participated in the workshop. The workshop was inaugurated by **Prof Venkatarami Reddy,** Chairman, APPSC, Hyderabad.

Important Information
IETE is shortly introducing an on-line system for all types of payments from members & students.
For details please visit the IETE website: www.iete.org.

IETE Students' Forum (ISFs) Activities

● **ISF** of **DMS SVH College of Engineering, Machilipatnam,** conducted Technical Test, Internal Paper Presentations on 3G& 4G Technologies and Soft Skills & Technical Quiz, in the month of **July 2010** for BTech students.

● A special lecture on "Biomems & Its Applications" along with inauguration of ELECTA was conducted by **ISF, Trichy Engg College, Trichy, on July 31, 2010.** Prof Jegajoth, Periyarmaniammai University, Tanjor, delivered the lecture highlighting needs, different types of MEMS and biomedical applications of MEMS.

● **ISF** at **RMD Engg College, Kavaraipettai,** was inaugurated on **Aug 14, 2010**

● **ISF** at **RVR&JC College of Engineering, Chowdavaram, Guntur.** conducted a guest lecture on "Security Systems" by Shri P Srinivas, Senior Technical Officer, ISG Group, SSPD Division, ECIL, Hyderabad on **Aug 16, 2010.**

● **ISF** of **SVMIT, Bhaurch and ISF of BIT, Varanama** organized Guest lectures on "Embedded Systems – A Brief Run Down" on **Aug 20, 2010.** The dignitaries who spoke on the occasion were Shri Jagdish Sanghnani, Consulting Engineer in various industries

in UK; Prof Satish K Shah & Prof P S Modi , EE Dept, Faculty of Tech, MS Univ of Baroda, Vadodara and Prof D M Patel, Principal, Polytechnic MS Univ of Baroda, Vadodara.

- **ISF** at **E&TC Dept of Sinhgad Academy of Engineering, Kondhwa, Pune,** conducted workshop on "Global Positioning System" by Prof S R Jog, Vice Chairman IETE, Pune and Shri Mukund Bhopale of Mihir Enterprises, for IETE students on **Aug 21, 2010.** The function was organized by Prof Sachin Ruikar, ISF Coordinator, SAE and the Event coordinator, Prof C P Mahjan, SAE, Pune. About 83 students attended and participated. Gp Capt G M Apte, Chairman IETE, Pune was the Chief Guest on the occasion.

- A lecture by Prof Gangadharan on"Cutting Edge Technologies in Mobile & Wireless Networks" was arranged at Dept of ECE of **ISF, K S Rangasamy College of Technology,Coimbatore,** on **Aug 26, 2010.**

- **ISF** at **Dept of ECE of Indira Institute of Engineering & Technology (IIET), Pandur, Thiruvallur,** was inaugurated on **Aug 27, 2010.**

- **ISF** at **Dept of ECE, Saintgits College of Engineering, Pathamuttom, Kottayam,** was inaugurated by Prof M V Rajesh, Hony Secy of IETE Kochi Centre on **Sept 03, 2010.**

- **ISF** at **ECE Dept of M P Nachimuthu M Jaganathan Engg College, Chennimalai, Erode,** conducted one day state-level Non-Teaching Training Programme on **Sept 04, 2010** which was aimed at developing technical & service skills of non-tecaching staff. Shri L Narayanan, Manager, Scientific Mes Tech (P) Ltd, Chennai, was the Chief Guest.

- **ISF** at **SIES Graduate School of Technology (NERUL), Navi Mumbai** conducted a technical quiz competition named Techtronix- an inter-collegiate event with difference which was a great success with the students on **Sept 04, 2010.** About 60 teams from various colleges participated in three rounds of the competition.

- **ISF, Dept of Electronics & E&TC** of **G H Raisoni Institute of Engineering & Technology, Pune,** organized a lecture on "Electronics Product Design" by Prof Baru was on **Sept 23, 2010.** The ISF also organized an Techno-Cultural Event 'Brainville'10' on **Sept 14 - 15, 2010.** Students from Pune based colleges participated in this competition. The event was inaugurated by Shri Ajitji Tatiya, Trustee, Director Raisoni Group of Institution (RGI), Pune Campus. It included different competitions like - **Talkfest** - debate competition, **Circuitia-** a circuit design competition for engineering students & Gameolution-gaming competition for the students.

- **ISF** of **Gyan Ganga Institute of Technology & Management, Bhopal,** celebrated Engineers Day on **Sept 15, 2010.** As a part of this celebration, Electronic Circuit Design contest using MAT Lab for all the engineering students of Bhopal was organized. Shri Vidya Bhushan Hande, Principal Consultant- Advanced Engineering Group, INFOSYS was the Chief Guest, who delivered a lecture on DSP Processors.

- **ISF** of **Narayana Engg College, Nellore,** celebrated Engineers Day on **Sept 15, 2010** with Shri G Gopi, GM Telecom District, Nellore as the Chief Guest, whose address on the occasion was on "Latest and upcoming Applications of Cell Phone".

- **ISF Muthayammal Engg College, Rasipuram,** held the IETE Regional Student Convention -2010 on **Sept 18, 2010.** Dr M Madheswaran, Principal of the College, presided over the function. The Chief Guest on the occasion was Prof S Ragavan from NIT, Trichy.

- The **ISF** at the Dept of ETE, **Don Bosco Institute of Technology, Mumbai,** was inaugurated on **Oct 05, 2010.** Dr J W Bakal, Chairman of IETE Mumbai Centre was the Chief Guest, Dr A N Chandorkar delivered a talk on "Micro to Nano" in his keynote address.