

## FROM PRESIDENT'S DESK



The world is changing faster than our imagination and IETE too is witnessing changes with time. We have been trying to employ new technologies in our functioning and services to students. The new initiative taken by IETE in the field of e-learning by launching EDUSAT facility for delivery of quality education to students and establishing virtual class rooms at remote places in the country through our Centres is noteworthy. It has been our endeavour to introduce ERP using SAP technology for internal functioning of the HQ IETE and our efforts are being directed towards this.

After demonstration of one of the fastest growths in the field of cell phone introduction with up to 20 million new telephone connections in a month and achieving target of 500 million telephone much ahead of the target time, India is now poised to move in to the arena of 3rd Generation Mobile Telephony. The recent auction of the spectrum for 3G and Broadband Wireless Access (BWA) netting up to mind boggling numbers accounting to 67,700 crores and 12,847 crores as against the reserve price of 3500 crores and 1750 crores respectively, clearly shows the potential, strength and maturity of the various cash rich service providers in the Country and which can only be paralleled with the IPL suddenly emerging from nowhere in India in last few years much to the delight of our people. The users of telecom therefore expect new high speed services in the form of mobile TVs and various location based and other value added services in the forthcoming months.

One area which remains of great concern is the poor penetration of Internet and Broadband in the country. The objective of Government of India to provide 10 million Broadband connections by 2014 is not likely to be achieved with the framework of present policy and implementation. We should be aiming to provide BB access at 10 mbps to 70 to 100 per cent citizens in next 10 to 15 years to exploit GDP growth applications in the areas of e-governance, e-commerce, e-education, e-health etc. We need to build a comprehensive fiber optic broadband network complemented with Wi-Fi etc to fulfill the desired broadband connectivity to the users in the country. It is heartening to note that TRAI has now floated a consultation paper on Broadband Plan which is a positive step forward in this direction.

With advantage of demographic dividend, India is a nation of youth. We have more than 400 million young people in the country who are if well qualified, trained and provided with the opportunity to excel, can do miracles not only for this country but for the whole world. Today, when we talk about acceptance of smart phone, we have to have smart young people who not only dare to dream but have knowledge, opportunity and courage to excel. We have to change our ways of working, studying and reacting. We have to extend help to young people through our dedicated programs at IETE. We must focus on bigger issues. Knowledge is power and we all should be ready to accept this with changed mindset.

I am pleased to share with members that IETE has recently started to work in the area of providing consultancy to the industry and other organizations at affordable price with the help of various IETE Corporate members who are experts in various related fields. The first "IETE Consultancy and Development Centre (ICDC)" has been launched at IETE Centre Chandigarh on 29<sup>th</sup> June'10. It is hoped that this Centre will act as an island of excellence to be emulated by other IETE Centres.

Lt Gen Ashok Agarwal, PVSM (Retd)

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IETE HQs, New Delhi



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## IETE Distinguished Fellows Elected - 2010



**Dr K K Bhutani**, Director, UPTEC, Computer Consultancy Ltd, Allahabad, has been elected as Distinguished Fellow of IETE for 2010 for his contribution in the field of **Electronics and Computer Engineering**. Dr Bhutani obtained MSc Tech in 1962 and PhD in 1966 from J K Institute of Applied Physics and Technology, University of Allahabad, in Electronics Engineering. He served this Institute for 35 years in different capacities such as Lecturer, Reader and Professor. He retired as Professor and Head of the Computer Centre, University of Allahabad in 1998. He was Chairman, Computer Engineering Division Board of the Institution of Engineers for two years, Council Member of IETE for six years and Council Member of CSI for two years. He was Member/

Chairman of many National Committees of Electronics Commission, UGC, HRD, AICTE of the Govt of India. He has to his credit nearly one hundred publications in Indian and foreign journals. He has attended six international conferences in different countries on Computers and Robotics. He has won many awards in research and education. Dr K K Bhutani has made immense contributions to many technical and professional Institutions of the country and particularly to the IETE. He founded three IETE Centres in UP – Allahabad, Varanasi, and Mankapur and served at Allahabad as its Founder Secretary & Chairman for many years. The IETE Allahabad Centre building was erected during his tenure. As a Council Member, he was instrumental for the introduction of Computer Science and IT disciplines for AMIETE and DipIETE courses. He was also Zonal Coordinator (Eastern Zone); Chairman, ColLNET Project; Chairman, Awards Committee; Chairman, ADEC; Chairman, Publications Committee; Chairman, IT Education; Member, Board of Examination; Member, Board of Scrutineers; Member, e-learning and Network (élan) Project and Member, FPPC. He authored a book on 'Multimedia and e-Learning' for IETE in Hindi. Dr Bhutani is FIETE, FCSI, FIE(I), LMISTE, FCET and LMAMA.



**Shri P N Chopra**, DIG, BSF (Retd), has been elected as Distinguished Fellow of IETE for 2010 for his contribution in the field of **Electronics Industry**. Born in Feb 1928, Shri Chopra started his IETE innings from Delhi Centre (1978) as its Chairman for 4 terms. In addition to acquiring of the land for the present IETE's Delhi Centre building, he started the Advance Level Course in Computer Science and rationalized tutorial classes for students. Initially joined IETE Council as Industry representative for a number of years and then as elected Council Member for three terms (1998-01, 2003-05 and 2007-09) and handled a variety of assignments as Vice President, Chairman of Technical Programmes Committee, Zonal Coordinator (2007-09); Chairman, Industrial

Coordination Committee (2006); Hony Treasurer (1998-99) organized a number of Annual Technical Conventions and Mid Term symposia. Presently, he is a member of Technology Regulatory Advisory Committee (TRAC) of IETE. Shri Chopra started his professional career in Punjab Police in 1948 and joined Border Security Force in 1965. After 39 years of service, he retired as Dy Inspector General (BSF) with decorations like President of India Police Medal for distinguished services, Indian Police Medal for meritorious services, number of Commendation Cards, BSF Gold Medal and Cash rewards for communication support to Police and BSF during 1965 and 1971 wars and for Communications, Electronics Data and Security arrangements during Asian Games –82, Non-Align Meet and Common Wealth Head of the Govts Meet in Delhi. He has vast industrial experience in telecommunications, broadcasting and technical publications. As Radio Engineer, he received technical training at Marconi UK, Philips Holland and Budavox Hungary; steered a national level technical journal 'Telematics India' for a decade; guided and organised more than a dozen seminars cum exhibitions in the series of INFOTEK at national level. Currently, he is Managing Editor, Bitcom India and Consultant to reputed International companies.

**The IETE Distinguished Fellowship will be conferred at the inaugural session of 53<sup>rd</sup> ATC of IETE, scheduled to be held at New Delhi on 25 Sept 2010. Our congratulations to Dr K K Bhutani and Shri P N Chopra on their elections as Distinguished Fellows of IETE.**

## News From Headquarters

### 42<sup>nd</sup> World Telecommunication Information Society Day

The objective of celebrating World Telecommunication and Information Society Day (WTISD) is to create awareness of the potentials of the use of the Internet and other information & communication technologies (ICTs) and also ways to bridge the digital divide. The common desire of all humankind for better living standards in future urban environments was reflected in this year's theme "Better City, Better Life with ICTs", chosen by ITU to celebrate the WTISD-2010. Information and communication technologies (ICTs) play a catalyzing role in achieving this goal, was the highlight of deliberations held at IETE Hqs, New Delhi. ICTs have transformed the world with more opportunities and better prospects - especially in the cities. In fact digital literacy has become a life skill just like reading and writing.



A view of the dais during WTISD celebration at IETE HQ.

IETE Headquarters celebrated the WTISD on May 17, 2010 at Delton Hall with luminaries from diverse fields, all advocating the adoption of policies and strategies that promote ICTs in urban areas to contribute towards better life in cities. The dignitaries on the dais were **Prof P B Sharma**, Vice Chancellor, Delhi Technological University, New Delhi, as the Chief Guest; **Lt Gen Ashok Agarwal, PVSM (Retd)**, President IETE; **Shri R K Gupta**, President Elect & Chairman, TPC; distinguished speakers : **Dr ( Cdr) H S Sharma**, **Shri P K Garg** and **Dr Govind**, Senior Director & HoD (E Infrastructure & Internet Governance Division, Dept of Information Technology, Govt of India and **Brig V K Panday (Retd)**, Secretary General, IETE.

Delivering the welcome address **Shri R K Gupta**, Chairman TPC, appreciated the ITU initiatives in



Lt Gen Ashok Agarwal, PVSM (Retd) delivering the presidential address.

helping the globe to connect and to bridge the digital divide. He emphasized on aiming to achieve greener, safer, healthier, prosperous inclusive and well-managed cities with the help of ICTs. He gave the overview of the theme and introduced the speakers. **Dr Govind's** talk was centered on "**Impact of ICTs on Cities & Lives- Opportunities & Challenges**". He said that IT was the key enabler for today's innovations and improvements in our lives and societies. ICTs act as a vehicle for knowledge creation, assimilation, diffusion, productivity, economic growth and improved quality of life. He emphasized the inclusion of ICTs trends & developments in the planning process; need for integrated town & regional planning to encourage research and tapping of big opportunities in all developmental & planning processes. He talked about the Govts' flagship programmes at national, state and regional levels.



Giving the background of ITU, **Shri P K Garg** elaborated its unique hallmark of spirit of cooperation. He credited affordability, lower tariffs, availability of computers, laptops, mobile phones and supportability to be the reasons for ICTs growth & usage in the country. He was of the view that reaching out the benefits to the poorest was necessary for an inclusive society. Adoption of policies & strategies that promoted ICTs in urban areas were equally important for better life. He supported ITU's call for action for use of ICTs in schools for growth and creating awareness about ICT in the whole family through children. He also stressed for greater thrust on broadband; development of relevant applications; kiosks availability; increase in national GDP through more ICTs connected work to women in rural sector; indigenous manufacturing capabilities to bring down the hardware prices in the country. He concluded with the message of teaming up, working in partnership and pooling resources for a better society. **Dr H S Sharma** as a social explorer, felt the need of changing the definition of better city as most of the population lived beyond the boundaries of cities and called for redefining the rural belt as smaller cities so that the qualification of better city could be applied to everyone living on this planet. He said that happiness doesn't come from material growth or from exploitation of resources, achievements & advancements of ICTs but from wisdom and spirituality. He called upon India to take a lead in spiritual capabilities for happiness and better quality of life. For him it was more important to change the mindset of people & ways of their thinking. According to him, the rural man whose happiness was in question, knew more & thought ahead, however, they need better information for better life. He opined that for better cities, societies and the universe, all persons should become 'Citiwalas' first. **Prof P B Sharma**, the Chief Guest, who also opined about Indian supremacy, intuitive faculties and tremendous talent existing in the country, underlined 'Power of mind with purity' as ultimate in the community of civilizations. He advocated education system that would help create

capable human beings with right values, integrity and professional morality for building a better tomorrow. He said that with power of minds, networks and connectivity, the target of better quality of life was achievable. Also professional communities like IETE need to convince the Government for a mandatory expenditure on the projects of utility through ICTs, on programmes of embedded electronics and communication technologies. He said to create a better society, it was important to change the mindset of people which were presently emotionally conditioned.

After presentation of mementoes to the distinguished guests and speakers, vote of thanks was proposed by **Brig V K Panday (Retd)**, Secretary General, IETE.

### **Apex Forum on “Nanotechnology-Emerging Trends in Nanoelectronics”**

IETE organized an Apex Forum on “**Nanotechnology-Emerging Trends in Nanoelectronics**” on 7<sup>th</sup> May 2010 at CSIO, Chandigarh, on the emerging and futuristic technologies for appropriate recommendations by the experts to the Govt for their growth in the country. The proceedings started with the welcome address and a brief background of the event by **Dr Pawan Kapur**, Director, CSIO and Chairman IETE Chandigarh Centre. An introduction to the Apex Forum was given by **Shri P P Malhotra**, Chairman, Industrial Coordination Committee of IETE. Shri Malhotra highlighted the concept of organizing IETE Apex Forum on various topical themes of current and future relevance and the one being held on “**Nanotechnology-Emerging Trends in Nanoelectronics.**” He emphasised on collaborative efforts between academia, R & D Institutes and the user industry in India for products & processes development in nanoelectronics. **Prof R Sobti**, Vice Chancellor, Punjab University, Chandigarh, was the Chief Guest and delivered the inaugural address. Prof Sobti stressed upon the need for India to take lead in

Nanotechnology research and dwelt on the current issues and concerns in the realm of nanoscience and nano technology. The President IETE, **Lt Gen Ashok Agarwal, PVSM (Retd)**, delivering the presidential address, underlined the importance of giving the necessary push to the nanotechnology research in the country to catch up with the advanced nations.



The Chief Guest Prof R Sobti, Vice-Chancellor, Punjab University, Chandigarh, addressing the audience.

Under the expert lecture series **Dr Pawan Kapur**, Dir, CSIO, talked on “**Nanotechnology Molecular Electronics & Nanophotonics**”. He gave an overview of the subject and touched upon fundamental aspects, methodologies, nanoelectronics, nano-biophotonics (nano-medicine and nano biosensors), application paradigm and focused on the various technological issues and challenges in this domain for bio-nano molecular level measurements and characterization. He highlighted the increasing role of photonics base techniques in nanobiotechnology and emphasized the need for creating a niche in molecular level measurement sciences. **Prof Manish Sharma**, IIT, Delhi, spoke on “**Advanced Materials for Nanoelectronics**” and covered nanoelectronics under materials and devices, magnetic materials for data storage & for RF MEMS. Prof Sharma discussed about semiconductor nano crystals, conjugated polymers for solar cells, graphene- a new semiconducting material, GaN based nano wires and nano devices and as growth in future patterned media, magnetic RAM, spintronic devices and new high

permeability nano structured materials. Summarizing, he mentioned that future research in nanoelectronics would be confining to polymer and organic materials, semiconducting nano crystals and nanowires and graphene with the main issue of manufacturability of large scale.

**Dr (Mrs) Shanta Chawla**, Sr Scientist, NPL, New Delhi, spoke on “**Luminescent Nanoparticles for various Applications**”. She discussed about the technology related to the light emitters that were going to be used in display devices and mentioned that it had great potential. Dr Chawla also elaborated on the nanotechnology based research work currently being carried out for solar cell applications. **Prof Subhananda Chakrabarty**, Centre of Excellence on Nanoelectronics, Dept of EE, IIT Bombay, delivered a talk on “**Investigation on Nanoscale In(Ga)As/GaAs Quantum Dot based Heterostructures for Device Applications**”. Prof Chakrabarty dwelt on infrared detector applications, IR focal plane array camera, Stranski-Krastanow growth, advantages of QDIPS, Type II InAs/GaSb-based superlattice detectors- an alternative to state-of-the-art MCT technology, an intermediate band solar cell and p-doping of ZnO. He underlined that material research should have final aim for device application and device growth. He mentioned that proper collaboration need to be set up with the labs abroad to train people in advanced fabrication techniques and feasible targets be fixed with the futuristic approach.

**Dr Rakesh Tuli**, Exec Dir, National Agri-Food Biotechnology Institute (NABI), Mohali, spoke on “**Nanotechnologies for Food Biotechnology**”. He highlighted the advances in DNA sequencing technologies and touched upon DNA micro array, anti microbial lysozymesilver nanoparticles, nano coatings to enhance shelf life and quality of foods. He mentioned about nanotechnologies for smart and active packaging, role of nanotechnology in food processing, nano-sized self assembled structured liquids (NSSL) and the nano sized ingredients & additives and the interface between food package and

an intelligent microwave oven. **Dr R K Nahar**, Scientist 'G', CEERI, Pilani, spoke on **"Nanoelectronic Devices: Recent Trends and Future Challenges in R&D"**. He discussed about new materials introduced for advancing IC technology, limitations of silicon dioxide, downsizing limits, sub 10nm CMOS, high K dielectric thin films and materials, gate electrode, atomic layer deposition, semiconductor nano scale device technology and single electron devices. He mentioned that near future research programmes may include nanotechnology, scaled MOS transistors, RF MEMS and MEMS based nano sensors.

After the lectures by experts, a panel discussion was chaired by **Lt Gen (Retd) Ashok Agarwal**, President IETE, where the experts gave their views on the current issues, opportunities and challenges in the domain of nanoelectronics. Questions were posed by the delegates to the experts. The panel recommended that creation of a right ambience for the researchers is very important for undertaking research in nanotechnology and to become globally competitive in this fast emerging area. It was also recommended that Govt funding be made available to



A view of the dais during panel discussion.

support the R&D work and also provide support as a venture capitalist for the risks in R&D sector. There should be complete synergy and partnership with the user industry. It was also suggested that collaborations and linkages be forged with the advanced laboratories to give boost to research and provide exposures to our scientists. The vote of thanks was given by **Shri N S Mehla**, Scientist 'G', CSIO & Member, Executive Committee, Chandigarh Centre.

## News From Centres

**17<sup>th</sup> May marks the anniversary of the signing of the first International Telegraph Convention and the creation of the International Telecommunication Union. "Better City, Better Life with ICTs" was this year's theme for the celebration of the World Telecommunication and Information Society Day (WTISD) 2010. The WTISD celebrations and other technical activities reported by most of the IETE Centres/ Sub-Centres are given in the succeeding paragraphs.**

### Agra

Commemorating the **WTISD 2010** on May 17, 2010, the Agra Sub-Centre held an Essay Competition of limited words on **"Better City-Better Life with ICTs"** for the ITI students undergoing Industrial Training at 509 Army Base Workshop at Agra. A lecture competition on the subject was also held wherein eight students including two volunteer speakers participated. **Brig V S Randhawa**, Commandant & Managing Director, 509 Army Base Workshop &

Chairman, IETE Agra Sub-Centre, did the honours of prize distribution to the winners.

### Ahmedabad

**WTISD-2010** was celebrated by the Centre on 17<sup>th</sup> May 2010. The programme was jointly organized by IETE Ahmedabad Centre, IE(I) Ahmedabad Chapter and CSI, Ahmedabad Chapter, supported by Data Security Council of India. **Shri Ravi Saxena**, IAS, Principal Secretary, Department of Science and Technology, Government of Gujarat, was the Chief



Guest. The theme lecture was on “**Internet Security : Common man to Business Needs**” by **Shri Harish Chandra Rana**, Security Consultant, Member Data Council of India, Ahmedabad Chapter. Others who spoke on the occasion were: Shri R V Singh, Chairman, IETE; Shri M K Jadhav, Hony Secy, IE(I), Ahmedabad; Shri Pradip N Jain, Chairman, CSI-AC and Dr Nilesh Modi, Hony Secy, CSI-AC. They also expressed their organizations' role in the field of Data Security. Shri Ravi Saxena's address was on computerization of the State Government records. He talked about E-Governance and G-SWAN (Gujarat State Wide Area Network).

### Allahabad

- Lectures on “**Production & Productivity**” by **Dr K Datta**, HOD, Management, SIEMAT, Allahabad and “**Time Management**” by Er L Siddiquee, Director, CME, Allahabad, were delivered on 29<sup>th</sup> April 2010.
- **WTISD** was celebrated jointly by IETE Allahabad Centre and IE (I) on May 17<sup>th</sup>, 2010 at IE(I) Allahabad local centre at MNNIT Campus. The theme was “**Better City, Better Life with ICTs**”. **Er T Usmani**, GM, Indian Telephone Industries, Naini, Allahabad, was invited as the Guest of Honour and Chief Guest of the evening was **Professor A B Samaddar**, Director, Motilal Nehru National Institute of Technology, Allahabad. **Prof (Dr) Satya Sheel**, EE Dept, MNNIT, made a detailed presentation on the contributions of ICTs for better quality of life. Dr Sheel concluded with hope for bright & comfortable future but also cautioned to remain watchful about some of the misuses of new technologies. Shri T Usmani delivered a talk on solar energy developments and its application in the years to come in the context of energy demand scenario and the need of energy for new portable / mobile technologies. Prof Samaddar discussed the safe and intelligent use of communication tools and shared some of his

interesting experiences & anecdotes. He emphasized on innovations & new developments in these areas. The panel discussion was on “**How to manage and enjoy life in ICT Age**”. The panelists included Prof A B Samaddar, Shri Usmani, Dr K K Bhutani (Head, UPTEC), Er Apoorva Agha, Chairman IETE Centre and Dr K Dutta, SIEMAT. It was moderated by Dr Satya Sheel, the Convenor of day's program. The other eminent persons present were: Dr Kundu, Director of LDC College of Technology; Prof J P Mishra of SNIET; Dr G S Darbari of Darbari Industries; Dr Narsingh of JK Institute; Er C P Tripathi, ex-GM, UP Power Corporation; Corporate members of IE(I) & IETE and their families; faculty; students of MNNIT and other local institutions.

### Bengaluru

- **World Telecommunication & Information Society Day, Prof SVC Aiyar Memorial Lecture and Valedictory Function of Summer School in Electronics (SUSIE-10)** for school children were held on 17<sup>th</sup> May 2010 in association with BES (India). **Prof IIS Jamdagni**, IISc, Bengaluru, delivered the theme talk. **Shri H Ramakrishna**, Vice Chairman, IETE Bengaluru Centre, presided over the function. An exhibition of Electronics Project by Summer School Children (SUSIE-10) and Robotics was held.
- The **lift facility** at IETE Bangalore Centre was inaugurated by **Lt Gen Ashok Agarwal, PVSM (Retd)**, President IETE, on April 07, 2010.
- The **Summer School in Electronics (SUSIE-10)** for school children of 9<sup>th</sup> & 10<sup>th</sup> standards, commenced on April 11, 2010 with **Shri D Rajagopal** as the course coordinator. The short-term course on “**VHDL & FPGA**” also concluded at this day.

- The Centre participated in India's largest **Education & Career Fair** at Palace Grounds, Bengaluru, on 01-02 May 2010, highlighting through LCD TV display, the IETE objectives & career opportunities for students, advantages of memberships for engineers and professionals. Senior Fellow Members of IETE took active part in the fair.

### Chandigarh

**WTISD-2010** was celebrated on May 17, 2010 to commemorate contribution of Communication and IT Engineers. **Shri V P Giridhar**, Hony Secretary, IETE Chandigarh Centre, read the message from Dr Hamadoun I Toure, ITU, Secretary General and Mr Ban Ki-Moon, U N Secretary General, on the theme for this year **"Better City, Better Life with ICTs"**. **Dr Pawan Kapur**, Chairman IETE Chandigarh Centre, in his welcome address spoke about the background, origin, significance of the World Telecom Day celebration and pros & cons of the ICTs. Two very informative lectures on the theme were delivered by **Shri Shailendra K Sharma**, GM (Consumer Marketing), BSNL, Chandigarh and **Shri S K Bhalla**, DGM, BSNL, ALTTC Ghaziabad. The lectures were very interactive, keenly received and applauded by the audience. Dr P K Awasthi, Hony Treasurer, proposed the vote of thanks.



Dr Pawan Kapur, Chairman, IETE Chandigarh Centre, signifying the importance of World Telecom Info Society Day.

### Chennai

- IETE Chennai Centre arranged technical lectures: **"Telecom Transmission Revolution"** on Feb 23, 2010 by **Shri A Sugumaran**, Divisional Engineer, Chennai Telephones, BSNL, Chennai; **"Global Positioning System"** on Mar 16, 2010 by **Dr Swarna Ravindra Babu**, GNSS Group Advanced Technology Labs Wipro Technologies, Chennai and **"Tsunami Warning System for India"** on Apr 16, 2010 by **Shri Tata Sudhakar**, Joint Director, National Institute of Ocean Technology (NIOT) Chennai.
- **WTISD-2010** was celebrated on 17<sup>th</sup> May 2010. The theme **"Better City, Better Life with ICTs"** was explained to the audience by **Shri A Ganesan, (Retd)** DGM, BSNL, Chennai Telephones and Immediate Past Chairman of IETE Chennai Centre. **Shri D Varadarajan**, CGM, BSNL, Tamilnadu Circle, the Chief Guest, gave an informative and inspiring inaugural keynote address. He told that ICT was seen as a tool for resolving many urban issues. The widespread use of ICT had resulted in new public and private markets, shorter innovation cycles and faster response to key socio-economic changes. Pointing out that ICT contribute to more than 40% of overall productivity growth and had reshaped the world. **Shri C V Vinod**, GM Customer Mobility,



World Telecommunication Information Society Day - 2010 celebration at IETE Chennai, on May 17, 2010.



BSNL, Tamilnadu Telecom Circle, emphasized on having a planned development of telecom infrastructure for better life as it cannot be achieved without narrowing the digital divide. **Dr Gitakrishnan Ramadurai**, IIT, Madras, said that they were working on advanced traveller information system in and around their campus to reduce traffic congestion, to improve safety and air quality. The information system would be set up in one or two years. Engineering fraternity and professional bodies like IEEE, IET, IE (I), CSI & BES in the city were represented by their respective Presidents / Chairmen to felicitate IETE Chennai Centre.

### Coimbatore

- **WTISD-2010** was celebrated jointly with CSI, Coimbatore Chapter, on May 17, 2010. The theme address was by the Chief Guest, **Dr S K Subramanian**, Former Senior DataBase Manager at British Telecom, London. He stressed on using the power of ICT to aid judicial, legal, law & order systems and global warming issues. Other speakers also gave their views on the occasion.
- **Dr T R Padmanabhan**, Chairman IETE Coimbatore Centre, inaugurated a four-day workshop on **"ARM7-LPC2146 Microcontroller"** from 15<sup>th</sup> -18<sup>th</sup> May 2010. Hands on training on Blur Board LPC 2146 was also provided.
- The 2<sup>nd</sup> National Conference on **"Recent Trends in Communication, Computation and Signal Processing"** was organized on 26<sup>th</sup>-27<sup>th</sup> March, 2010 and sponsored by Wipro and ISRO. 85 scholarly papers were presented by industry experts and researchers in this field from leading IT companies and universities all over India. The keynote lectures were by **Shri Manmohan Thampi**, Senior Product Manager of Motorola, on **"Latest Technological and Business Developments in Communication Technology"**

and by **Dr Suresh Nair**, CTO, NeST Group and AM Networks, USA, on **"Fiber to Home"**. Over 300 participants from industry, academia and students participated in the deliberations of this conference, which delved into cutting-edge topics in the field of communication and computation. Topics of various research papers presentations included Communication, Signal Processing & Soft Computing, Nanotechnology, Microelectronics and Instrumentation. **Dr T R Padmanabhan**, Chairman, Coimbatore Centre, provided a thematic address on the conference.



National Conference on "Recent Trends in Communication, Computation and Signal Processing", Coimbatore, on 26<sup>th</sup>-27<sup>th</sup> March, 2010.

- The IETE Centre and Coimbatore Institute of Technology (CIT) conducted a two-day national workshop on **"Mobile and Wireless Networks"** on 19<sup>th</sup>-20<sup>th</sup> March, 2010. The workshop was inaugurated by **Shri Francis Jacob**, DGM, Telecom, BSNL, Coimbatore. **Dr V Selladurai**, Principal, CIT presided. **Dr T R Padmanabhan**, Chairman, IETE Coimbatore Centre, delivered the valedictory address. The Centre for Wireless Networks and Applications at Amritapuri Campus of Amrita University presented a case-study of its landmark **"Real-time Wireless Network for Landslide Detection"** at this workshop, sponsored by AICTE. Other speakers were from IIT Madras, Anna University and Amrita University.

More than 75 researchers attended this national workshop.

- A one-day awareness workshop on “**Intellectual Property Rights (IPR) and Patents**” was inaugurated by **Dr T R Padmanabhan**, Chairman of the Centre on 11<sup>th</sup> March, 2010.

## Goa

The **National Conference on Electronic Technologies (NCET-10)** was organized jointly by IETE Goa Sub-Centre and Dept of ET, GCE on 16<sup>th</sup> & 17<sup>th</sup> April 2010 at Goa College of Engineering, Farmagudi, Ponda, Goa. The response was overwhelming as 108 papers were received from 200 authors from academia, research organizations, students and other professionals from various parts of the country including four papers from foreign Universities. About 72 papers were short listed and selected for presentation and publication in the conference proceedings. **Shri Prakash Desai**, Chairman, Goa Public Service Commission (GPSC); noted Scientist, **Dr Y P Kosta** and **Prof V B Kamat**, Director, Technical Education, were present amongst prominent dignitaries for the inaugural function. **Dr Kosta** and **Dr K P Ray**, Head – RF & Microwave Division, SAMEER, IIT(B), delivered keynote addresses. Other experts & session chairmen present on the occasion were: **Dr K R Pai** (Devices and Filters), **Dr Shrutin Ulman** (Biomedical Engineering), **Shri Anil Raikar** (VLSI Technologies), **Shri Shantanu Prabhudesai** (Communication Technologies) and **Dr P R Rao** (Computer Engineering). The conference concluded with a valedictory function and distribution of certificates to participants.

## Hyderabad

The Centre in association with CTMS, IT(I) and IEEE organized a one day Seminar to celebrate **WTISD-2010** on “**Better City, Better Life with ICTs**” on 17<sup>th</sup> May, 2010. The seminar was

inaugurated by **Shri R R Girish Kumar**, IPS, Director General of Police, AP, Hyderabad. **Dr T H Chowdary-CTMS Endowment Lecture** was also organized on the same day. **Shri Lav Gupta** from TRAI, presented lecture of **Dr J S Sarma**, Chairman, TRAI, New Delhi. **Dr T H Chowdary**, Past President, IETE, was felicitated on this occasion. Three business sessions were organized during the seminar. About 100 participants attended the celebration from the above organizations and several engineering colleges, industries & other organizations also participated.



Joint celebration of WTISD-2010 at Hyderabad.

## Jabalpur

**WTISD 2010** was celebrated by the Centre on 17<sup>th</sup> May, 2010. **Shri A Narayan**, Sr Fellow IETE and Former Secretary General, Asia Pacific Telecommunity, Bangkok, was the Guest of Honour. The speakers on the occasion were: **Shri A Narayan**, Secretary General APT; **Shri S C Joshi**, CGM; **Shri Mishra**, CGM and **Shri HHN Awasthi**, Chairman IETE Jabalpur Centre. **Shri Singh**, DE, Telecom proposed the vote of thanks.

## Jammu

- **The Annual General Meeting** and the **Elections to the Office Bearers** for the Centre were held on 22<sup>nd</sup> May 2010.



Executive Committee Members meeting with Zonal Coordinator (North) Wg Cdr D N Mishra (Retd), at IETE Jammu Centre.

- The Centre celebrated the **WTISD-2010** on 17<sup>th</sup> May 2010 with Model Institute of Engg & Tech, Jammu. **Shri Joy Ganjoo**, Chairman IETE Jammu Centre, highlighted the activities of IETE & significance of the day. **Prof S K Sharma**, Principal, MIET, also spoke on the influence of ICT in our daily lives. **Prof R K Lehana**, Hony Secy, IETE, gave a vivid description of the hazards of radiation on birds. **Dr Ankur Gupta**, Joint Director, MIET, spoke on the relevance of the WTISD. The function as presided over by **Shri R K Koul**, the Principal GM, BSNL, Jammu. He elaborated on the achievements of BSNL in J&K. A number of students participated in the event and spoke on emerging technologies.

### Kanpur

- The Centre organized a seminar, display and demonstration on “**Sensors and Automation - Bringing Automation to Masses**” in IIT Kanpur, on April 04, 2010, in association with IEEE (UP Section). Automation Industry Association, New Delhi, supported the seminar. **Prof Kripa Shankar**, VC of U P Technical University and **Prof S G Dhande**, Dir, IIT Kanpur, inaugurated the event. The technical session was chaired by **Air Commodore P P Khandekar**, Air Officer Commanding, IAF, Kanpur. The seminar was a grand success & attended by about 200 delegates from various organization like Air Force, Ordnance

Factory, Faculty members, Research Deptt, students from Engineering colleges, Industry etc.

**Shri T K Sarkar**, Scientist G/HOD, Industrial & Electronics Application Dev. Div, DIT, Govt of India, while delivering the keynote address on “**Research, Development & Application of Automation Technologies – Role & Experiences of DIT**”, informed that for the Common Wealth Games-2010, DIT had made fool-proof security plan and the use of auto sensors techniques would be used at 200 locations in Delhi for keeping the vigilance on vehicles. The other keynote address was by **Shri Ravi Agarwal**, Director, Pepperl+Fuchs Pvt Ltd, Singapore, on “**India – Automation Today**”. He informed about usage of sensors in India in agriculture and dairy fields, like the trial at Sangali (Maharashtra), where in one of the dairies the cows were connected to computers via chip sensors to record & respond to their needs, eg. if the cow is hungry, the food and the water is provided or to detect any disorder or infection in them. In technical session, **Dr Sanjay Gupta**, Chief Scientific Officer, ACMS, IIT Kanpur, delivered a lecture on “**Derailment Prevention in Railways**”. Sensors and RF technologies which were highlighting being used to prevent the derailments. **Shri Avik Neogi**, Territory Manager, NI Systems India Pvt Ltd, New Delhi, delivered talk



A view of the dais during the seminar on “Sensors and Automation - Bringing Automation to Masses”, IIT, Kanpur, April 04, 2010.



on “**National Instruments Innovation for Test, Control and Design**”. He informed that Institute of Aerospace Medicine is working on the hyper baric theory. In this the patient is kept in a chamber where he would get pure oxygen and plasma. This oxygen was supplied by compressed method so that the wounds get healed up in short time. **Shri Sriram Paramanand**, Field Business Leader – North & East, Rockwell Automation India Pvt Ltd, delivered lecture on “**Introduction to Industrial Automation**”. He informed that in the power plant the defects and breakdown would be informed by SMS. A system had been developed and with the help of modem the operating data could be seen on the laptop. The machines would be controlled by computer and in case of any fault the alarms would be generated. **Shri Anup Wadhwa**, Director, Automation Industry Association India, delivered talk on “**Value Creation & Innovation Technology for People**” and **Shri Naresh Kantoor**, Director, Econ Systems International, Gurgaon, on “**Welcome to the World of appropriate Automation**”.

### Kochi

- The Centre organized **ISF Staff Co-ordinators' Meet** on 24<sup>th</sup> April 2010. The meeting was inaugurated by **Shri B Parameswaran**, Chairman Kochi Centre. Faculty members representing ISF units from different Engg Colleges in and around Kochi, participated. The Chairman in his address explained the progress made by ISF Units.
- **WTISD-2010** was jointly organized by IETE & IE (I) Kochi Centres. **Mrs Mini Ulanat**, Faculty & System Administrator, Cochin University of Science & Technology, was the Chief Guest while the **Chairman of the Centre**, presided over the function.

### Lucknow

- The **WTISD-2010** was jointly organized by the Centre on 17<sup>th</sup> May 2010 with BSNL and IE(I) Lucknow. The Chief Guest of the function was **Prof Bharti Dwivedi**, Head EE Dept, Institution of Engineering and Technology, Lucknow. In her address she spoke about the rural urban digital divide and pockets of digital divide in urban areas itself. The keynote address was delivered by **Dr Neelam Srivastava**, Asst Prof, IET, Lucknow. She enumerated various developments in the field of technologies for improving the city life. She also spoke about the futuristic trends in this regard. The message of ITU Secretary General was read out by Shri Satish Kumar, GM, BSNL, Lucknow. The message of UN Secretary General was presented by Shri Alok Sinha, Hony Secy, IETE Lucknow Centre. Welcome address was by Er Girish, IE (I), Lucknow and vote of thanks was delivered by Er Agarwal, IE (I) Lucknow.



Dignitaries discussing the theme topic during WTISD-2010 at IETE Lucknow Centre.

- A two-day national seminar on “**Emerging Applications on Next Generation Networks**” was organized by the Centre at Taj Residency, Lucknow on 23<sup>rd</sup>-24<sup>th</sup> Jan, 2010. The two-day seminar provided insight on all novel aspects of technology, application and service development within the Mobile and Wireless Communications



National Seminar in progress.

community. It brought about a blend of technical experts from the fields of telecom, research, business and policy in order to facilitate a creative forum for the promotion of collaboration and knowledge transfer. **Shri V K Shukla**, Member Services and Ex-Officio Secretary to Govt of India, Dept of Telecom, was the Chief Guest during the inaugural session. The other dignitaries present were: **Shri Om Vir Singh**, CGM, BSNL (UPE) and Chairman IETE, Lucknow Centre; **Shri Shabbir Ahmad**, Ex Director (BSNL Board), **Shri B B Lal**, Immd Past Chairman, IETE; **Shri Alok Sinha**, Hony Secy, IETE, Lucknow Centre and **Shri Satish Kumar**, GM, BSNL & member of Exec Com, IETE. Giving them company was **Shri H O Agrawal**, Coordinator (Eastern Zone) and Treasurer, IETE, HQ. In the inaugural session, Shri Om Vir Singh delivered the welcome address while Shri H O Agrawal projected the aims and objectives of IETE as disseminator of technical education and knowledge. The Chief Guest outlined the problems of the existing networks and the key drivers for the next generation networks. He elaborated the definition of NGN and the various applications. A souvenir was also released on this occasion followed by presentation of mementoes to the Chief Guest and other distinguished guests. Shri Alok Sinha, proposed the vote of thanks at the end of the inaugural session. The first technical session

was presided over by **Shri Shabbir Ahmad**. **Shri I S Sastri** from Telecommunications Engineering Centre, spoke on “**Next Generation Networks–Roadmap to Convergence**”, while **Shri Lav Gupta**, Principal Advisor (TRAI) spoke on “**Regulatory Issues in NGN**”. The second technical session was presided over by **Shri C B L Srivastava**, Ex-CGM, BSNL. The eminent speakers included **Dr Ashok Chandra** from DOT, who spoke on “**Public Protection and Disaster Relief System**”, **Dr S K Misra**, a telemedicine expert from SGPGIMS, Lucknow, on “**Access to Public Health System**”, **Shri Shiva** from Apalya Technologies on “**Mobile, TV & the Migration towards 3G**” and **Dr Neelam Srivastava**, Asstt Prof, IET, Lucknow, on “**Wireless Sensor Networks & it's various Applications**”. The second day of seminar & exhibition concluded with a panel discussion presided over by **Maj Gen Sunit Kumar**. The panelists included Shri Om Vir Singh, Shri Shabbir Ahmad, Sri CBL Srivastava. Shri SP Kalsi, Ex CGM, BSNL and Shri A K Purwar, PGM, BSNL. The deliberations of various speakers during the two day seminar were discussed and their utilities were highlighted. Finally, the vote of thanks was delivered by Sri Satish Kumar, GM, BSNL. Speakers from media, academia, defence, public and private sectors expressed their views on the emerging technologies.

### Nagpur

- Commemorating **WTISD-2010** on 17<sup>th</sup> May 2010 at Nagpur, **Shri Vinod Bothale**, Director, Maharashtra Remote Sensing Application Centre, Nagpur, Dept of Planning, Govt of Maharashtra, in his presidential address showed '**Basic Map of the City**' containing surface features with the help of **High Resolution Satellite Data** and **Underground Utility** by GPR and further development planning of the city for the better facility & better life of the people. **Shri Pramod V**

**Puranik** ITS, Deputy DG (TERM), Maharashtra Dept of Telecom, Govt of India, was the Chief Guest, who said "ICT is a core infrastructure of knowledge and economy. Digital technology has played increasingly important role. ICT provided vital tool and new approach to ensure better city, better life". "ICT has the capacity to fix many healthcare problems as the information obtained by it is accurate, timely and protected", **Prof Onkar Kemkar** explained, while delivering lecture on "ICT for Health and happiness". Er S P Gorowara, DIG, BSF (Retd), Vice-Chairman, IETE Nagpur Centre, Shri A R Sawatkar PGM, Nagpur Telecom and Er S L Dravekar, Hony Secy, shared the dais with others. Certificates were given to the Office Bearers of Management Committees of ISFs and Coordinators.



Shri Pramod Puranik, DDG, DOT, GOI delivering lecture on WTISD-2010, IETE Nagpur Centre.

- **Dr D A Deshpande**, Director PCD Institute of Computer Studies and Research, Nagpur, delivered a lecture on "Need of ICT based Commerce Curriculum" on 17<sup>th</sup> April, 2010.
- **Prof Onkar Kemkar**, PCD Institute of Computer Studies and Research, Nagpur, delivered a lecture on "Robotics in Healthcare" on 08<sup>th</sup> May, 2010.

## Nashik

A one-day seminar on "**DSP and its Applications**" was organized for ISF students and IETE members. The first session was conducted by **Dr D S Chaudhari**, Prof, Govt College of Engg, Jalgaon, on "**DSP Application for Hearing Aid**" and the second session was by **Dr R D Kharadkar**, Principal, GH Rasoni Institute of Engineering & Technology, Pune, on "**DSP and its general application to various systems**".

## Nepal

IETE Nepal Centre in Kathmandu, conducted a one-day seminar on "**Spectrum Management in the context of Nepal**" at Hyatt Regency Hotel, on 14<sup>th</sup> May 2010. In the seminar the current issues on spectrum management and importance of frequency refarming were presented and discussed by the keynote speakers, **Er Nirmal Kumar Pradhanang** and **Er Bhesb Raj Kanel**. The programme was fruitful in exploring the concept of frequency refarming plan in Nepal and important inputs for its optimum utilization. About 70 participants from the Nepal Telecom industry were present at the programme.



Seminar on "Spectrum Management in the context of Nepal", Kathmandu, 14 May, 2010.

## Palakkad

- IETE Palakkad Sub-Centre and IE(I) Palakkad Centre, jointly celebrated **WTISD** on 17<sup>th</sup> May



2010. **Dr M R Vikraman**, Chairman, presided over the function. **Dr K S M Panikker**, DEAN, FISAT College Angamaly, delivered the keynote address focusing on “**Modern Trends in ICTs**”. Shri Kokul, Student representative proposed the vote of thanks.

- A booklet “**Glimpses from the History of Palakkad Sub-Centre**” was released on 13<sup>th</sup> April 2010 by the Honorable Member of Parliament, **Shri M B Rajesh**, who presented the booklet to **Dr Parvathy Varier**, President Avishkara, Palakkad & President, OISCA, International South India Womens' Forum.



Dr Parvathy Varier receiving the booklet from Shri M B Rajesh, the Honorable Member of Parliament.

### Pune

The Centre celebrated **WTISD-2010** jointly with IE(I) Pune & IEEE Bombay Chapter. A press conference was organized on 14<sup>th</sup> May 2010 to give a brief outline of the agenda for 17<sup>th</sup> May. The Secy, IE(I), Pune and the Chairman IEEE, spoke about their respective organizations. The Chief Guest of the function was **Shri V K Mahendra**, Principal GM, BSNL Pune Telecom, who captivated the audience with his keynote address. He also outlined the various BSNL Pune Telecom activities in the pipeline. The annual ISF awards were distributed by **Prof S V Kharkar**, DF & founder member of IETE Pune Centre along with the Chief Guest. Er D B Dhone, Secy IE(I) Pune, proposed the vote of thanks.

### Sivakasi

A two-day technical seminar “**Network Security Research-Issues & Challenges**” was arranged by the Sub-Centre on 17<sup>th</sup> -18<sup>th</sup> May 2010. It proved to be an ideal platform for faculty and research scholars to understand clearly the basic concepts, recent trends, research issues and challenges of network security.

### Thiruvananthapuram

The 2<sup>nd</sup> & 3<sup>rd</sup> floors of IETE Thiruvananthapuram Centre was inaugurated by President IETE, **Lt Gen A K Agarwal, PVSM (Retd)** on 5<sup>th</sup> May 2010 in the presence of IETE Executive, Corporate & Student members.



President of IETE inaugurating the 2<sup>nd</sup> & 3<sup>rd</sup> floors of IETE Thiruvananthapuram Centre.

### Vadodara

The Centre along with IE(I) Vadodara Centre, celebrated the **WTISD** on 17<sup>th</sup> May 2010.



WTISD celebration at IETE Vadodara Centre.

**Shri A N Dhanorkar**, Dy GM, BSNL, VTD, Vadodara, was the Guest of Honour & presided over the function. **Dr D J Shah**, Principal, LCIT, Bhandu, was the invited speaker. Prof S K Shah, Hony Secy; Prof S G Shah, Dr R C Desai (Past Chairmen, IETE Vadodara Centre); Shri N M Bhatt (Ex Com Members, IE(I), Vadodara Centre, were some of the eminent persons present on the occasion.

### Vijayawada

- The Centre in association with IE(I) local centre, organized **WTISD-2010** on 17<sup>th</sup> May 2010. **Er A Ram Babu**, Senior Instructor, Electric Loco Maintenance, South Central Railway, Vijayawada, delivered a talk on “**Better City, Better Life with ICTs**”. Dr A V N Tilak, Chairman; Dr G N Swamy, Hony Secretary and Dr A Jhansi Rani, Hony Treasurer of Vijayawada Centre; Er M R S Prakasa Rao Chairman & Er V Mallikarjuna, Jt Secretary of IE(I) Vijayawada Centre, were among others who attended the event.



42<sup>nd</sup> WTISD celebration at IETE Vijaywada Centre.

- A guest lecture on “**Current Trends in VLSI**” by **Shri M V V Satyanarayana**, Leader, Physical Design, Integrated Device Technology, Bangalore, was organized on 29<sup>th</sup> March 2010.

## IETE Students' Forum (ISF) Activities

- ISF of Yadavrao Tasgaonkar Polytechnic, Chandhai, Karjat**, was inaugurated on **Jan 15, 2010**.
- A one-day inter college project exhibition “Gladiator's 2K10” was conducted at **M A M College of Engineering, Tiruchirappalli**, on **Feb 09, 2010** jointly with Association of Communicative Electronics (ACOEL). Dr M A Maluk Mohammed, Principle of MAMCE, inaugurated the project expo. Another one-day intra college mini project exhibition “ARJUNA's 2K10” was conducted by the ISF on **Feb 17, 2010** to motivate 2<sup>nd</sup> & 3<sup>rd</sup> year students of ECE Dept of ISF.
- ISF at JNNCE, Shimoga**, held a number of activities : a lecture on “Wireless Communication” on **Feb 20, 2010** by Shri Deepak Chaturvedi, Co-Founder & Vice President, Technology Uncorked LLP, Bangalore; a State Level Technical Competition- “TechZone 2K10” on **April 25-26, 2010**; a one-day workshop on “Embedded Systems: Using PSoC” by Shri Ramesh Doddamane, Dir, PHLOX Semiconductor Pvt Ltd, on **May 04, 2010** and its annual day celebrations on **May 08, 2010**, where Shri D S Ramnarayan, Vice President & Centre Head, Xchanging JNNCE, Shimoga, spoke as Chief Guest.
- ISF at Medi-Caps Institute of Technology & Management, Indore**, was inaugurated on **Feb 25, 2010**. Dr Shamsher Singh, the Chief Executive Director of the Medi-Caps Group of Institutions, presided over the function and Brig R Subramaniam, Chairman, IETE Mhow Sub-Centre, graced the occasion as the Chief Guest.
- Dr L R Rajagopal, CEO, Signals and Systems, Chennai, inaugurated **ISF at Excel Institutions**,



## ISF ACTIVITIES





**Komarapalayam, on Mar 04, 2010.** Shri Prashant R Nair, Hony Secy of IETE Coimbatore Centre, was the Guest of Honour and delivered the keynote address. Dr A K Natesan, Chairman of Excel Institutions presided at the event. A memorandum of understanding between Excel and Signals & Systems was also signed on the occasion.

- The **ISF of SNS College of Technology, Coimbatore**, conducted the 5<sup>th</sup> National Conference on “Innovations in Communication and Computing” on **Mar 05-06, 2010**. Shri Murugavel Janakiraman, CEO, BharatMatrimony.com was the Chief Guest. Dr S N Subramanian, Director, SNS College of Technology, Coimbatore, presided.
- Shri Prashant R Nair, Hony Secy of IETE Coimbatore Centre, inaugurated an **ISF at MAM College of Engineering and Technology (MAMCET), Trichy, on Mar 12, 2010**. The Secretary & Correspondent of the College, Shri M A Mohamed Nizam presided over the event. Last year, an IETE Student Forum was inaugurated in the sister institution of this college, MAM College of Engineering (MAMCE).
- The **ISF of Amrita School of Engineering, Coimbatore**, conducted an intra-university symposium, “TITANIQ 2010” during the month of **March 2010**. There were more than 15 events like technical quiz, software coding, code obfuscation, marketing and selling events, website design, poster design, photography competition etc. Over 1000 students participated in various events. Prizes worth Rs. 10,000/- were distributed by Dr S Krishnamoorthy, Registrar, AMRITA University and Prof K Gangadharan, Immediate Past Chairman of IETE Coimbatore Centre.
- The **ISF, GSSSIETW, Mysore**, in association with IETE Mysore Centre, organized a seminar on “Routers-Configuration and Applications” by Shri Balasubramanya, SDE, RTTC, on **Mar 12, 2010**. A state-level symposium on “Recent Trends in Technology”, the annual technical fest “Innoverves’10” was also conducted & inaugurated by Prof C R Venugopal, HoD Dept, SJCE, Mysore, on **Apr 16-17, 2010**.
- The **ISF of SSM College of Engineering, Komarapalayam**, conducted a national conference on “**Communication and Signal Processing**” on **Mar 12, 2010**. The conference was inaugurated by Shri Prashant R Nair, Hony Secy, IETE Coimbatore Centre. Dr K A Subramaniam, Principal, SSM College, presided over the conference. More than 65 papers and posters were presented.
- A technical talk on “Practical Approaches for Embedded Systems” by Shri S R T Ramasamy, Exec Manager, Efftronics Systems Pvt Ltd, Vijayawada, was arranged by **ISF, Gudlavalleru Engg College, Gudlavalleru on Mar 23, 2010**.
- A national seminar on “Advancements in VLSI Technology” was organized on **Mar 25, 2010** by **ISF, Maharaja Agarsain Institute of Technology, Ghaziabad**, in association with IETE, New Delhi. Lt Gen A K Agarwal, PVSM (Retd), President IETE inaugurated the national seminar. Prof S S Agarwal, Vice President IETE; Brig Lakshman Singh, VSM (Retd), Chairman Publicity Committee; Wg Cdr (Dr) M L Bala, Chairman Academic Committee; Dr Rishal Singh, Former Scientist DRDO & other dignitaries participated in the seminar.
- During the inaugural ceremony of **ISF at Dept of Electronics at HBTI, Kanpur, on Mar 27, 2010**, Dr Joseph John, Dept of EE, IIT, Kanpur, delivered a talk on “Virtual Laboratory”.

- **ISF and Dept of Electronics & Communication Engg, Viswajyoti College of Engg & Technology, Muvattupuzha**, organized a national level Technical Festival & Carrier Expo "Tranchant 2010" on **Mar 27, 2010**, inaugurated by Dr Cyriac Thomas, Chairman of the College. The events included project presentation, circuit debugging, technical quiz, electronics carrier expo, HAM expo etc.
- An expert lecture on "Conceptional understanding on DSP" by Prof MA Lokhandwala, Asst Prof, PIET, was organized at **CIT, Changa**, on **Mar 30, 2010**. Another lecture by Dr Rajesh Thakker, Associate Prof, Vishwakarma Govt Engg College, Chandkheda, on "MOSFET Modeling, Parameter Extraction and Automatic Analog Circuit Design" was arranged on **Apr 03, 2010**.
- A national level paper presentation "KSHITJA-2010" was held at the ECE & TC Dept of **SJC Institute of Technology, Chickballapur**, on **Apr 16, 2010**.
- The **ISF at CMR Institute of Technology, Bangalore**, was inaugurated on **Apr 19, 2010** by Shri R A Bhagavan, Hony Secy, IETE Bangalore Centre. Shri Govinda Raju, Retd Chief Engineer, SAIL, delivered a talk on "Energy Conservation". About 209 students became the members of ISF.
- Open seminars by **Electrical Engg Dept, IETE Vadodara Centre & MSU-ISF** were conducted to get an overview of the research trends in new technologies in the fields of image processing and embedded controllers by Shri Nimit Shah, Head, Dept of Biomedical Instrumentation, C U Shah College, Surendranagar, on "Image Processing Application for 2D to 3D Transformation" and Ms Ami Patel, Engg College, Navasari, on "Design & Simulation of Adaptive Neuro-Fuzzy Controller for MSSMC of SR Motors" on **Apr 19, 2010**; by Ms Sweta Shah on "Design of Connection Oriented

Network Simulator Using "MATLAB/SIMULINK" on **Apr 24, 2010** and by Mrs Nirali Rathod on "Multi Agent Implementation for Optimal Speed Control of Induction Motor" on **May 02, 2010**.

- **ISF of RNSIT, Bengaluru**, conducted an exhibition on "ISF- Open House projects of Electrical Sciences for BE Final Year" on **May 17, 2010**. The project titled "Solar Powered Bicycle Suryaashwa" by Karthik H, Harshendra N Shet, Basavaraj Jatti & Rajesh M Phume, Dept of EEE, was adjudged first and the project "Architectural Optimization for Low Power & implementation of a Reconfigurable UMTS Filter for 3G" by Shenha K S & V Varsha, Dept of ECE, bagged the second place.
- **ISF of MM Engg College Mullana, Ambala**, organized an invited talk in collaboration with ECE Society on **May 25, 2010** by Prof R P Bajpai, FIETE & DG MMUT, Mullana, Ambala, on "Research Methodology" through which he emphasized for inter-disciplinary need based research.



**Brig Lakshman Singh, VSM (Retd), Council Member IETE**  
Noida, through e-mail.

In the fast changing and rapid developments in the field of technology it is not possible for most of the Corporate members to keep abreast of these developments. IETE News letter can fill this gap by introducing a quarterly column 'Technology Review' where such technologies could be introduced with detail write-up available in a number of magazines and journals. To site an example: Change In Light Bulbs, Incandescent followed by CFL followed by LED and the latest technology superseding the LED is known by the name Quantum -dot lighting. Another interesting development in the field has been that of making 'Liquid Antennas' made from liquid metals.

*In response to this e-mail, Members and Readers of IETE Newsletter are requested to send one printed page write-ups on topical subjects/ events/ issues related to latest technological developments addressed to Chairman, Publications Committee at [mgeditor@iete.org](mailto:mgeditor@iete.org)*

*- Shri M L Gupta  
Chairman, Publications Committee.*

## IETE Participation in Education & Career Fair for Students' Enrollment Drive



Team of Task Force for Publicity (TFP) from Delhi HQs visited Times Education Boutique 2010 Fair, held at Hotel Ashok, New Delhi (15-16 May 2010).



TFP Chairman, Brig Lakshman Singh, VSM (Retd) and Co-Chairman, Shri M L Gupta with student visitors at IETE stall, Hotel Ashok, New Delhi.



Students enquiring at IETE stall, City Centre, Kolkata (22-23 May 2010).



IETE stall at Hotel Tip Top Plaza, Thana, Mumbai (12-13 June 2010).

## Announcement & Call for Papers

### 53<sup>rd</sup> Annual Technical Convention, IETE

### Making Telecom & IT- Green : Challenges and Road Ahead"

Sept 25-26, 2010

Stein Auditorium, India Habitat Centre, Lodi Road, New Delhi 110 003

The IETE Annual Technical Convention (ATC) is a major annual event of the Institution. It brings together IETE Members and other scientific/technical/managerial personnel engaged in the broad areas of electronics, telecommunications, computers and IT on a common platform for exchange of ideas and information on topics of current and future interest to the country. Theme '**Making Telecom & IT- Green : Challenges and Road Ahead**' is no more a choice for telecom and IT operators but has become a necessity in a market where margins are nose-diving due to tariff wars, denting the profitability of the operators. This is an opportunity to be grabbed to participate in the discussions, find & suggest ways for green IT & telecom.

**IETE ATC invites papers on the topics :** Use of Energy efficient Technologies; Use of Solar & other alternative Energy sources for powering Telecom & IT equipment and Devices; Use of Energy efficient Telecom Towers; Radiation effects of Telecom Towers; Serious problems of e-waste management; Noise and Air Pollution in Telecom and Carbon Credit & Health prospects.

#### Important Dates :

Receipt of Abstracts - **Aug 14, 2010;**

Notification of acceptance of articles - **Aug 25, 2010**

**Hard Copy of the manuscript and abstracts are to be sent to "The Chairman, TPC, 53<sup>rd</sup> IETE ATC" through post or e-mail to [pr@iete.org](mailto:pr@iete.org), [sec.gen@iete.org](mailto:sec.gen@iete.org)**

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