

FROM PRESIDENT'S DESK



Finally, the Parliament Elections are over and the new Government is in place and with full zeal and enthusiasm the ministers are busy burning mid night oil formulating 100 days plan for various reforms in their respective ministries. We in the IETE taking stock of the changing situation in respect of the matters concerning Telecom and Information Technology, are duly concerned with the inordinate delay in auctioning and allocation of the spectrum which is vital both for third generation (3G) operation as well as to meet growing subscribers demand of cell phone networks. There is a need for clarity both in terms for pricing as well as allocation of the spectrum. The (3G) Spectrum is vital for providing high-end services such as Video Conferencing, High Speed Mobile Internet and other value added services like Mobile TV etc. We are hopeful of early resolution of this contentious issue which is affecting both the users as well as the cell phone service providers. Industry is also eagerly awaiting the Government announcements on other proposals like setting up Rs1,57,000 Crores fabrication units under Semiconductor Policy, and other considerations towards extending the tax concessions given to Software Technology Parks under STPI Scheme and setting up of hardware industries etc.

India has been witnessing phenomenal growth in the Tele-density but broadband penetration in the Country has been far from desired level and is limited mostly to the urban population. Broadband growth in India is going to be driven by not as much as the need of Web browsing or e-mailing but the necessity of providing various value added services like IPTV, Video on demand which can be provided to the user through the broadband at affordable and cheaper price. Future telecom scenario in India would be that all services including Voice, data, and video, IPTV etc. will be delivered to the users through a common architecture based on IP protocol through the broadband. Even the mobile phone will be integrated called "Quadruple Play" using "Fixed Mobile Convergence (FMC)" to conserve the electromagnetic spectrum the most scarce commodity in the telecom world. PSTN will eventually be replaced by VoIP thus providing the user many advantages like number portability and much better experience and cheaper option. Many exciting things are going to be seen in very near future in the field of Telecommunication.

Lt Gen Ashok Agarwal, PVSM (Retd)

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IETE HQs, New Delhi



सह वीर्यं करवाचहे

41st World Telecommunication and Information Society Day

Child abuse in the virtual world has risen to a lucrative business. The cyber attacks against children through new technologies are causing deep and lasting damages. Panelists gathered at the IETE HQs expressed concerns about the ease with which immoral people were harming and exploiting children in the cyberspace. Promoting cyber security for tender aged kids and teens was the theme for celebrations of this year's World Telecommunication & Information Society Day.



The Chief Guest, Dr K Kasturirangan with President IETE, Lt Gen A K Agarwal, PVSM (Retd) and other dignitaries lighting the ceremonial lamp on 41st World Telecom Day at IETE HQs.

IETE HQs celebrated 41st World Telecommunication Information Society Day (WTISD) on the theme selected by ITU "Protecting the Children in Cyberspace" at the Delton Hall on May 17, 2009. The luminaries present on the dais were: **Dr K Kasturirangan, Hon'ble Member of Parliament (Rajya Sabha) & Director, National Institute of Advanced Studies (NIAS), Bangalore**, as the Chief Guest; **Prof D K Bandyopadhyay**, Vice Chancellor, GGSIPU, Delhi, the **Guest of Honour, Lt Gen Ashok Agarwal, PVSM (Retd)**, the President IETE; **Shri P N Chopra, DIG, BSF (Retd)**, Chairman TPC and Vice President IETE. The experts on the dais who deliberated on the theme were **Dr Gulshan Rai**, Director, CERT-IN, Ministry of Communications & Information Technology, New Delhi; **Ms Enakshi Ganguly**, Co-Director, HAQ: Centre for Child Rights and **Ms Karnika Seth**, Advocate and Legal Consultant, Seth Associates.

The event highlighted the kind of attacks children were exposed to with advances in the technologies and showcased useful sites giving tips on cyber ethics created especially for cyber crime dilemmas.



A view of dais during WTISD-2009 at IETE, HQs New Delhi

Shri P N Chopra in his welcome address introduced the theme and elaborated on virtues and pitfalls of internet. According to him the Internet was undeniably open to exploitation due to unrestricted number of free web sites.

The President IETE, **Lt Gen Ashok Agarwal, PVSM (Retd)** emphasized on socio-techno centric approach which identifies technology, planning and lifestyle as the main aspects of a holistic approach to the analysis of sustainable development in general and the sustainability of the built environment in particular. He talked of institution's efforts in automating students' related information like EduSAT-ELAN project at IETE and teaching-end facilities at IETE Noida Centre.

Dr Gulshan Rai emphasized the need of a dedicated legislation on cyber crime that could supplement the Indian Penal Code. He requested all to report immediately any incident caused by exchange of sensitive information on the net; spread user awareness; seek out national and global coordination, self regulation and regulation of cyberspace as important needs and demands for cyber security.

Every ton of paper recycled can save 17 trees

Ms Enakshi Ganguly, pointed out different crimes, offences and other undesirable things that were taking place with young children on the net. She lamented on children's total dependence on technologies, making them even forget to spell & lose capacity at interpersonal skills. She urged the parents to monitor their child's activities for any irregularities.

Ms Karnika Seth presented the statistics of intensified internet teenagers going online daily and expressed concerns on their vulnerability to be easy targets. The ten commandments she gave to protect children in the cyberspace were: Rules from "real" life to be applied, i.e, courtesy, kindness, modesty, dignity, respect for the law and for others; not to talk to strangers; keeping the private information private; never agreeing to meet an online friend without parents; there were no guarantees that what is said and posted on the Internet would remain private; information (including photos, videos, etc.) posted on the Internet could last forever; to confide in parents on encountering anything uncomfortable; not to reply to unknown screen names on Instant Messaging (IM); never to open e-mail from strangers or click on any attachments ; and finally to find the "good" onlines – good friends, good websites, good games to enjoy the boon of internet .

Prof D K Bandyopadhyay, Vice Chancellor, GGSIPU, Delhi, in his address held busy parents responsible for having no time for kids as the root cause of many problems. He said that children spending time away from schools and the role of a teacher had much to do with today's situation. Technology while providing opportunities had many negative aspects to it.

The Chief Guest, **Dr K Kasturirangan**, in his address praised IETE journals being of international standard & yeomen services that it provides to the nation. He mentioned about the EDUSAT programme of the country in which education is being actually taken to the doorsteps of the learner. He stressed on professional training centres & creation of more Centres for Excellence. Information Technology Act which still had grey areas to be made more effective to combat cyber crime was the concern shown by him. He talked about the dangers involved for children in the present cyber scenario, its legal position and the precautions required by parents.



President IETE in discussion with Dr K Kasturirangan, the Chief Guest.

Concluding the programme, the vote of thanks was proposed by **Brig V K Panday (Retd)**, IETE Secretary General,

New IETE Sub-Centre at Agra

IETE opened its 57th Centre at 509 Army Base Workshop, Agra Cantt, on May 02, 2009. The admission process for all the programs as offered at other centres of IETE has been initiated at Agra Sub-Centre. For any query regarding corporate membership or student admission , please contact:-

IETE Agra Sub-Centre,
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Agra Cantt, Agra- 282001
Ph: 09412271981/09258079401,
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"Happiness does not consist in pastimes and amusements but in virtuous activities." Aristotle

IETE-CMAI MoU

A Memorandum of Understanding was signed on **May 30, 2009** at IETE HQs, New Delhi, between **IETE**- an institution devoted to the advancement of science & technology of Electronics, Telecommunication, IT, and Computer Science and the **CMAI** (Communication Manufacturers Association of India)- an apex business and trade promotion body. The MoU was signed by **Lt Gen Ashok Agarwal, PVSM (Retd)**, President & **Brig V K Panday**, Secretary General from IETE and **Shri N K Goyal**, President & **Shri D P Nair**, Executive Director from CMAI, in presence of **Maj Gen K B Jhaldiyal, AVSM (Retd)**, Chairman, Industrial Coordination Committee (ICC), IETE, **Council Members of IETE** and the **Members on Board** of CMAI.

During the ceremony the Heads of IETE & CMAI were felicitated. **Lt Gen D P Sehgal, PVSM, AVSM, VSM (Retd)**, Immt Past President IETE was also honoured with a punnadai by **Shri N K Goyal**, President CMAI.

The terms and the scope of MoU envisages both the parties to cooperate in the conduct of technical activities like workshops, seminars, conferences and execution of IT/ET/ Telecom related R&D projects of either party. The Institution & the Association agreed to facilitate and adopt mutually accepted norms for membership, publications and attendance of the members at technical events of the respective organization.

This close collaboration would benefit professionals, students, industry and academia. The professionals will benefit from the industry/ manufacturers on the technology being pursued and they shall be able to suggest latest techniques, where as students will get hands on experience from their project works with industry. It would also help in economic development through announcement of various innovative and new programmes in the ICT Sector with international exposure. Planning for future course of action to benefit both the organizations' fraternity especially students, will find priority in their respective agendas.



Shri N K Goyal and Lt Gen Ashok Agarwal, PVSM (Retd) exchanging MoU. Also seen is Maj Gen K B Jhaldiyal, AVSM (Retd)



Lt Gen D P Sehgal, PVSM, AVSM, VSM (Retd) being felicitated on the occasion



IETE and CMAI discussing the terms of co-operation



Meeting in progress

News From Centres

Every year, 17th May is commemorated as **World Telecommunication and Information Society Day (WTISD)**, the day on which the International Telecommunication Union (ITU) was founded in Paris in 1865. Keeping in view the paramount importance of Communications, the ITU chose '**Protecting Children in Cyberspace**' as its theme for the year 2009. IETE Centres & Sub-Centres celebrated the day in which the need of the global network to protect children online was highlighted. It provided an excellent opportunity for the members to deliberate on this very important issue at various IETE centres/ sub-centres located all over the country, a pictorial view of celebrations show participation of various dignitaries. The other activities apart from WTISD celebrations are also reported centre-wise.

Agra

- Inauguration of the 57th IETE Centre and a workshop on “**Defence and Industry Synergy in Surveillance Equipment**” was conducted on May 02, 2009 at 509 Army Base Workshop at Agra. The dignitaries present on the occasion were: **Lt Gen Ashok Agarwal, PVSM, (Retd)**, President, IETE; **Shri R K Gupta**, Chairman, MLCC; **Maj Gen K B Jhaldiyal, AVSM (Retd)**, Chairman IETE Industrial Coordination Committee; **Wg Cdr D N Misra (Retd)**, Zonal Coordinator (North); **Lt Gen Dalip Bhardwaj, VSM, DGMF**; **Maj Gen N B Singh, VSM, Cdr BWG EME**; **Prof Zia Ahmad Abbassi**, Chairman, Aligarh Centre; **Lt Gen A K S Chandele, AVSM, DGEME & Senior Colonel Comdt**; **Maj Gen R K Sanan, Cdr HQ TG EME**; **Maj Gen Harkirat Singh, Comdt EME School, Vadodara**; **Maj Gen Nirmolak Singh, MGEME West Comd**; **Maj Gen P K Jaggia, MGEME, SWC**, **Maj Gen S M Mehta, SM, VSM, ADG EM (ESM)**; **Maj Gen Jatender Singhla, Comma MGEME, South Comd**; **Dr Balraj Gupta**, Director ADRDE; **Brig V K Panday, Secy General, (IETE HQs)**. **Brig Shyam Shrivastava**, Chairman of the Sub-centre and **Major Girish S Mahindrakar**, Hony Treasurer were also present.

The workshop was spread over three technical sessions on “**Modern AFV Sights**”, “**Surveillance Radar & Sensors**” and “**TI and PNVD Based Surveillance EQPT.**” There were excellent presentation by the speakers of various sessions.

- The newly formed IETE Sub-centre in association with Army School Agra Cantt, organized a **debate competition** on the topic of '**The increasing exposure of children to Cyberspace will affect their overall personality adversely**' on the occasion of 41st World Telecommunication Information Society Day. The function was graced by **Brig Shyam Shrivastav**, Chairman IETE Agra Sub-Centre. The participants were the students from High School of Army School. Best

student in each category were given the prizes.

Ahmedabad

IETE Ahmedabad Centre jointly with the IE (India), Gujarat Centre & BSNL, celebrated the **WTISD** on May 17, 2009. **Shri Sudhir Kumar Bhandari**, PGMT, Ahmedabad Telecom District, was the Chief Guest at the event in which about 200 delegates including IETE corporate members, IE members, BSNL staff, students, BES members, children & others were present. **Smt Smriti Dagur** in her address briefed about the IETE's activities. Others who graced the occasion were- **Shri Saxena**, GM BSNL (Central); **Shri V K Jain**, Past Chairman, IE; **Shri R K Singh**, BSNL; **Shri M Patel**, Hony Treasurer IETE; **Dr B C Agrawal**, Social Researcher, Vice Chancellor of Himgiri University, Uttarchanchal; **Shri Agrawal**, Sr DST, Railways and **Shri Bharat Patel**, IE, Chairman, who thanked the gathering. **Shri S S Valdia**, GD from SAC, ISRO, delivered a special lecture on “**Satellite Communication**” during the function and highlighted its features on communication links.

Bangalore

- IETE Bangalore Centre conducted **All Karnataka Students' Technical Paper Contest** on Mar 21, 2009. **Dr K N Shankara**, Ex-Director, ISRO, the Chief Guest, delivered the keynote address on “**Communication Trends**” and **Dr M H Kori** spoke on “**Wireless Technology & Future Trends**” on the occasion.
- One day **workshop** was held on Apr 04, 2009 on “**ARM Embedded Systems**” with **Ms Geetha** of Embedded Systems Solution Pvt Ltd as one of the speakers. ARM Kit and products were displayed for the participants of the workshop.
- **AVM A S Murthy**, inaugurated the “**Summer School in Electronics (SUSIE-09)**” on Apr 12, 2009. The students were taken for a visit to ISRO Satellite Centre on May 08, 2009 and were shown the demonstration of AERO Modeling and Amateur radio (HAM) on May 11, 2009.
- The celebrations of **41st WTISD** along with **Prof S V C Aiyar Memorial Lecture** and **Valedictory Function** of

Summer School in Electronics (SUSIE-09) were held on May 17, 2009. **Shri S M Shankar Raju**, Tech Dir, NIC Bangalore, spoke on the theme. The Guest of Honour was **Dr Mahesh Joshi**, Senior Dir, Doordarshan Kendra, Bangalore. The programme was presided over by **Shri R Lakshminarayana Rao**, Chairman, IETE Bangalore Centre. An Electronics Projects' Exhibition was also held on May 16 -17, 2009, by Summer School children.

Bhopal

The Bhopal Centre celebrated the **WTISD** on May 17, 2009 jointly with IE and CSI. **Shri Gopal Das**, Director (HR) BSNL HQ of New Delhi, was the Chief Guest. **Shri D S Mathur**, Ex-Chairman, Telecom Commission and Secretary DOT, Govt of India, presided over the function and **Shri R K P Hinduja**, CGM, BSNL MP, graced the occasion as the Guest of Honour. **Shri Mahesh Shukla**, GM, Telephones, Bhopal & Vice Chairman, IETE Centre, the keynote speaker, spoke on "Protecting Children in Cyberspace". **Shri A K Shrivastava**, Secretary, Panchayat Govt of MP and active member of CSI, gave details of computerization and broadband position and their benefits at Panchayat level. In the presidential address, **Shri D S Mathur**, stressed on measures for protecting children from spam and porno sites. **Dr Poonam Sinha**, Treasurer IETE Bhopal Centre, was honoured by the Chief Guest for her research paper titled "Super Orthogonal Space Time Trellies codes for different fading conditions in Wireless Communication" presented at World Congress on Science, Engineering and Technology (WCSE 2009) Rome, Italy, on April 28-30, 2009. About 150 persons from all three societies attended the function.

Chandigarh

Dr Pawan Kapur, Chairman IETE Chandigarh Centre and Director, CSIO, highlighted the importance and precautions to be taken for checking growth of crime in Cyberspace at **41st World Telecom & Information Society Day** on May 17, 2009. **Ms Divya Bansal**, PEC and **Shri M Bhaskar**, Central Forensic Science Laboratory (CFSL), Chandigarh, spoke on "**The Current Trends in Cyber Crimes**" and "**Cyber Crimes & Forensic Science**" respectively. The presentations were very well received and appreciated by the gathering. **Shri V P Giridhar**, Hony Secretary IETE, read out the messages of **Dr Hamadoun I Toure**, Secretary General ITU and **Mr Ban Ki-moon**, UN Secretary General. **Dr P K Awasthi**, Hony Treasurer, IETE

Chandigarh Centre, gave the vote of thanks.

Chennai

At **41st WTISD** held under the auspices of IETE Chennai Centre on May 17, 2009, representatives of telecom providers, engineering experts and cyber police called for the joint efforts to evolve a cyber world for children that would be a wonderful repository of knowledge without compromising on their safety. They all agreed that parental control and increased responsibility of service providers constitute the practical response to the cyber threat rather than attempting to stop the march of technology.

The dignitaries present on the occasion were: **Shri M P Velusamy**, CGM, BSNL, Chennai Telephones, as the Chief Guest; **Shri G Selvam**, GM (Retd), BSNL, Chennai Telephones, as the keynote speaker; **Shri S Murugan**, IPS, Superintendent of Police, Chennai, the Guest of Honour; **Shri V S Sundaramurthy**, Chairman IETE Centre; **Shri P Mohanadoss**, Council Member, Broadcast Engineering Society and **Er M Jayaraj**, Hony Secretary, IETE Chennai.

Dharwad

The Sub-Centre organized a number of competitions for the ISF Students in the month of Feb-Mar 2009 which included **Online quiz** on "**NOESIS**"- a **Technovaganza '09**, where participants were allowed to sit and answer from their systems in a stipulated time; a **talk** on "**How to Prepare / Present a Paper**", a **Technical Test** on the topic "**Logic Design**" on objective technical questions and an "**Aptitude Test**". The student participants benefited tremendously from the experience.

Hyderabad

The Centre in coordination with professional organizations: FAPCCI, IE (I), IEEE, CTMS, organized one day seminar in connection with **41st World Telecommunication & Information Society Day** on May 17, 2009. It was inaugurated by **Shri Konijeti Rosaiah**, Hon'ble Minister of Finance, Planning & Legislative Affairs, Govt of AP. The seminar featured following four Business Sessions-

- I- "**Mobile Telephony- Extension to the Unreached**" by **Shri T N Sudhindra Kumar**, CGM, Telecom, BSNL, AP.
- II- "**Internet Fraud and Security & Internet- Protection of Children in Cyberspace**" by **Shri G V Gopichandran**, TICA.
- III- "**Quality of Service and Customer Perceptions & Radiation**" by **Shri G Padma Reddy**, CTMS.

"The question should be, is it worth trying to do, not can it be done." Allard Lowenstein

IV- “Information Society: Services, Life, Work & Social Behaviour, Benefits of Internet” by Prof MV Lakshmidevi, Reddy Women's College.

The 4th **Dr T H Chowdary CTMS Endowment Lecture** by **Dr S D Saxena**, Former Director, BSNL Board of Directors, New Delhi, was also arranged during the seminar.

Imphal

The 41st **WTISD** was celebrated by the Sub-Centre on May 17, 2009, in which **Prof (Dr) H N K Sharma**, Pro-Vice Chancellor, Manipur University, graced the occasion as the Chief Guest and **Shri M Rachandra Singh**, Director, Manipur, Police Wireless, as the Guest of Honour. **Shri R K Sanajaoba Singh**, Chairman IETE Imphal Sub-Centre, chaired the function. **Shri Kh Rajen Singh**, SIO of NIC, Imphal and **Shri N Ibungochoubi Singh**, Exec Editor, Manipur Mail, delivered enlightening speeches on the theme “**Protecting Children in Cyberspace**”. The Chief Guest in his speech emphasized the power and usefulness of the cyber world in career development, education and job opportunities, etc. but cautioned about its negative dimensions too. He called for preventive measures & public awareness on Information Security to reduce cyber abuses. He emphasized on restricting the non-academic websites for children.

Jaipur

IETE Jaipur Centre celebrated the 41st **WTISD** on May 17, 2009 by arranging a national conference on “**Advances in Communication Technologies in Cyber Age**”, in association with Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur and Dept of ECE, Malviya National Institute of Technology, Jaipur. This seminar was attended by various dignitaries from ISRO, BSNL, Chairman, Director and Staff of SKIT besides Executive Committee & senior IETE members of Jaipur Centre. A souvenir was released on the occasion.

Kanpur

IETE Kanpur Centre jointly with IE (I) Kanpur Chapter celebrated the 41st **WTISD-2009** on May 17, 2009. The Chief Guest **Er A K Bajpai**, GM (Telecom Dist), BSNL, Kanpur, focused on some important issues of internet in the country. **Er Navpreet Singh**, IIT, Kanpur & **Er Amitabha Roy**, IIT, Kanpur, were other keynote speakers.

Kochi

A special lecture meeting was organized on the occasion of **World Telecom Day** on May 17, 2009 at IETE Kochi Centre. **Mrs Manju Ramachandran**, Senior Engineer, Electrical Inspectorate, Kerala, was the Chief Guest who spoke elaborately on the theme of the year “**Protecting Children in the Cyberspace**”.

Lucknow

To celebrate the 41st **WTISD 2009**, IETE Centre and BSNL, Lucknow, jointly invited **Maj Gen Sunit Kumar**, CSO, Headquarters Central Command, Lucknow, as the Chief Guest; speakers; Corporate Members of IETE; Officers from BSNL, AIR, Doordarshan, Defence; Press and Media persons for celebrations of May 17, 2009. **Dr S M Tarade**, DIG Police, spoke about the technology changes in internet usage and prevention of cyber crime by observing some definite steps while using cyber communication. He appreciated the concerns and efforts by the society in protecting children in cyberspace and not leaving this responsibility to law enforcing agencies alone. He suggested multipoint approach to tackle the problem. **Shri Prabhakar Dubey**, Asstt Prof, RR Institute of Technology, Lucknow, and **Shri R N Tripathi**, Asstt Prof, NIEC, Lucknow, also presented their papers on the theme. **Shri Mahendra Srivastava**, DGM, BSNL, Lucknow, talked about 'Child Online Protection' by using audio visual presentation. **Maj Gen Sunit Kumar**, shared his views on the theme by recalling his experiences in dealing with his teenage son. The function was covered by local news papers, Dainik Jagran, Hindustan and Rashtriya Sahara and was broadcast on National DD News.

Mumbai

41st **WTISD** was jointly celebrated on May 17, 2009 by the Centre in association with IET Mumbai Network, BES(I) Mumbai Chapter, IEEE Bombay Section, IEEE AES/COM/LEOS, and IEEE ComSoc Mumbai Chapter, on this year's ITU theme “**Protecting Children in Cyberspace**”. **Shri J Gopal**, ED, MTNL Mumbai, was the Chief Guest and **Shri S N Gupta**, Chief Engineer, AIR and Doordarshan (WZ), the Guest of Honour. Shri Gopal highlighted the steps taken by MTNL in 3G networks and how children could be protected in cyberspace. The other three speakers were: **Shri Vijay Mukhi**, Consultant, **Shri I M Zahid**, ACP, Goregaon West Division and **Shri M S Thomas**, Station Engineer, Doordarshan. Shri Mukhi made a point of constant check by

“The only way of finding the limits of the possible is by going beyond them into the impossible.” Arthur C. Clarke

41st World Telecommunication and Information Soc



Workshop on "Defence & Industry Synergy in Surveillance Equipment" during the inauguration of Sub-Centre at Agra.



Joint celebrations of 41st WTISD at Bhopal Centre on May 17, 2009.



Dr Pawan Kapur, Chairman Chandigarh Centre & Dir, CSIO, addressing the audience on Telecom day.



Participants of "NOESIS"- the online quiz.



Dignitaries on the dais for 41st WTISD-2009 at Hyderabad Centre.



A view of the dais during 41st World Telecommunication Day at IETE Lucknow Centre.

Society Day Celebrations at IETE Centres/ Sub- Centres



A view during discussions on “Protecting Children in Cyberspace” at IETE Mumbai Centre.



World Telecom Day 2009 at IETE Nagpur Centre.



Function held at IETE Nepal Centre to commemorate 41st WTISD 2009.



Dignitaries on World Telecom Day at IETE Pilani Centre.



Welcoming the Chief Guest Prof (Dr) P J Joglekar at IETE Pune Centre.



Zonal Seminar “Networking -09” at Thiruvananthapuram on Apr 24, 2009.

parents on children's use of internet, chat and email etc. Shri Zahid presented some real life situations in which he tracked and protected children from cyberspace menace. Shri Thomas informed about internet forums & their services in helping children in cyberspace. Over 110 invitees attended this function.

Nagpur

- A technical lecture on “**Wireless Technology**” by **Shri A R Sawatkar**, GM, Mobile, BSNL Nagpur, was held on April 11, 2009, highlighting the goals and benefits of wireless technology through a presentation.
- A lecture by **Prof Ramkrishna Yenkar**, Head, Department of Electronics, Government Polytechnic, Nagpur, was delivered on May 09, 2009 on “**Voice Operated Computer : An Intelligent System for Physically Handicapped**” which was based on the project work done by 3rd year Diploma students of IT. The lecture was student friendly and was explained with Power Point presentation.
- The **41st WTISD** was celebrated on May 18, 2009 by the Centre in association with BSNL, Nagpur Telecom. **Shri M D Bhatiya**, PGM, BSNL, Nagpur Telecom, presided over the function. **Shri M G Joshi**, Chairman, IETE, Nagpur Centre, **Shri K Narayanan**, GM Development, BSNL, Nagpur Telecom and **Adv Mahendra Limaye**, Cyber Law Consultant, were the dignitaries who emphasized on proper monitoring to safeguard children from adversities of cyberspace. “Be willing to act, inculcate right values and develop courage and confidence in children to abide by them”, advised Shri K Narayanan, in his address. Shri Joshi stressed on the need for adequate policies to protect children from adversities of internet and making it safe to be used by the children who are the easy target to such afflictions. The pros and cons of the cyberspace were discussed creating awareness amongst the parents and some simple solutions for protecting children from the risks.

Nashik

The Sub-Centre and IE (I) Nashik, jointly organized on Apr 23, 2009 a seminar on “**DSP Applications in Audio and Speech**” by **Prof Preeti Rao**, IIT Mumbai.

Nepal

The IETE Nepal Chapter conducted a one day technical seminar on May 1, 2009 on “**Importance of NGN/ IMS in context of Nepal**”, which was inaugurated by the Chief Guest **Shri Sushil Ghimire**, Secretary, Min of Info & Comm, Nepal

Govt, and chaired by **Shri Bhes Raj Kanel**, the Chairman of the Centre. Shri Suresh Kumar Pudasaini, the Past Chairman, delivered the welcome address, while vote of thanks was proposed by Shri Bimal Acharya, Hony Secretary. More than 70 participants from Nepal Telecom, Nepal Telecommunication Authority, UTEL, STM, Smart Telecom, etc. attended the seminar. The papers were presented by **Er Bijay Roy, A**, Director, NTA, focusing on technical part of NGN and IMS and by **Er Amar S Tuladhar**, DCTO, Smart Telecom Pvt Ltd., who concentrated on the need of implementation of NGN in Nepal.

Palakkad

WTISD was jointly conducted on May 17, 2009 by IETE Sub-Centre and IE Palakkad Centre. **Shri M R Vikraman**, Chairman Sub-Centre, presided delivering the keynote address at the function.

Pilani

IETE Pilani Centre celebrated the **41st WTISD** on May 18, 2009 at Pilani Centre. The special invitee, **Shri Rahul Verma**, Director CEERI, emphasized the critical role of parents on this highly sensitive issue. The special invited lecture was by **Shri Raj Singh**, Scientist CEERI, who highlighted the negative effects of internet on the growing children. Many related issues were touched upon during lively debate between audience and the speakers. Dr A K Sharma, Chairman, Shri A K Gupta, Hony Treasurer and Dr G Eranna, Hony Secretary IETE Pilani Centre, also spoke on the occasion. Special video shows were arranged for the gathering on the information relating to *The ITU Child Online Protection Initiative* and related video clips on *What a Child's Online Experience is Like*.

Pune

The Chief Guest, **Dr P J Joglekar**, ITU Council Member and Consultant in Electronics, while delivering the keynote address during **41st WTISD** at Pune, showed concerns about the risks of getting exposed to sex offenders indulging in child pornography. The unwary children get exposed to stalking, theft and other malicious or criminal actions with ease. He mentioned about ICAC (Internet Crimes Against Children) Task Force Programme and the Awareness programme conducted by Mumbai Police and which was later tried at Chennai & Kolkata. He presented case studies and gave glimpses of international scenario in the form of statistical information. **Prof Kharkar**, **IETE Distinguished Fellow**, briefed about the best performing ISFs and declared the winners.

Sivakasi

- **IETE Techno Fest-2009**, a student's technical festival, was organized by the IETE Sivakasi Sub-Centre at Mepco Schlenk Engg College Campus on Mar 07, 2009. It was inaugurated by **Shri Ilango Periyathambi**, Director-Presales, Bay Talkietec. A souvenir in the form of CD was also released. About 20 papers from 14 engineering colleges were selected for presentation in the two sessions of the programme. A Quiz Competition, Software Contest and Hardware Contest with spot registration were arranged to make the event more interesting. Prizes and certificates were distributed to the winners and participants by **Dr S Arivazhagan**, Chairman of the Sub-centre.
- A two-day technical seminar on **“Recent Trends & Research Issues in Communication Technologies”** was organized on May 14-15, 2009 to provide an opportunity to all for clear understanding of the concepts, recent trends & research issues in the areas of Radar Signal Processing, Microwave Integrated Circuits, Optical Communication Networks and Antennas & RF System Design.

Thiruvananthapuram

- The 2nd **Dr V P Kulkarni Memorial Lecture “Bioinformatics”** by **Dr S Achutsanker**, Hony Director, Centre for Bioinformatics, University of Kerala, was conducted on March 30, 2009.
- **Shri K S Srinivasan**, ITS, Chief General Manager, BSNL, Kerala Centre, inaugurated the **zonal seminar on “Networking-09”** held on Apr 24, 2009. **Brig M K Sasidharan (Retd)**, Chairman Trivandrum Centre, presided over the seminar and the keynote speaker was **Shri R N Padukone**, ITS, PGM, BSNL Board, New Delhi. The technical session-I was chaired by **Shri K J Chacko**, Chairman, Seminar Originating Committee on the topics-**Network as the platform** by Shri Arun Shetty, Manager Systems Engineering, CISCO System India and SAARC; **Developments in Transport Network NGN-SDH** by Shri K K Minocha, GM, Western Telecom Region Mumbai and **Wireless Broadband Networks** by Shri Srishankar, GM (Mobile Services) MTNL, Mumbai.

The technical session-II was chaired by **Shri J T George** on the topics - **Multiplay Services in Fixed / Wireless Networks** by Shri Ravishankar, Dy GM (Mobile Planning) BSNL, Hyderabad and **Network Security-Concerns and Solutions** by Shri K K Minocha. Delegates were from BSNL, VSSC, Engg Colleges and other different organizations.

- The **World Telecommunication Day** was celebrated with an invited talk by **Shri V K Bhadran**, Additional Director, Cyber Forensics, C-DAC Trivandrum and the inauguration of the **Prof R Venkitakrishna Iyer Memorial Lecture Series** for students by **Prof S Krishnakutty**, Head of IT & Electrical & Electronics, Barton Hill Engineering College, Trivandrum. The lecture was on **“Satellite Launch Vehicle”** by **Shri J T George**, Ex-Head, Quality Control & Computer Division, VSSC, Trivandrum.

Vadodara

- An open seminar on **“Integration of Cryptographic Algorithms and Communication Protocols for Secure 3G Mobile Communication”** was organized by IETE Vadodara Centre, EED Dept and MSU IETE Students' Forum on Apr 04, 2009. **Shri Kiran Singh R Parmar**, Asst Prof, EC Dept., LDCE, Ahmedabad, was the invited speaker. **Dr S Jayaraman**, Prof & Head, EC Dept, PSG, Coimbatore, was Guest of Honour. The speaker gave interesting details on standards, architecture and specifications of 3G standards, viz. W-CDMA, IMT2000. Implementation and simulation study of algorithms using MATLAB/ SIMULINK /CCS Simulator were discussed and demonstrated.
- A seminar on **“Elements of RF & Its Application”** was organized on Apr 04, 2009 by EC Dept of SVIT, Vasad and IETE Vadodara Centre. It had three lectures by invited guests: **Dr Y P Kosta**, Principal, CITC, Changa, on “Introduction to Maxwell Equations in Integral Form”; **Prof Vedvyas Dwivedi**, CITC, Changa, on "Role of Electromagnetic Materials in designing Microwave Devices & Components" and **Shri Sunil Kumar**, IPR, Gandhi Nagar, on “RF applications in different fields.”
- A three-day national workshop on **“Simulation of Wired and Wireless Networks using NS2 on Linux Platform (SWNN-09)”** was organized by the Centre in association with VT Patel Dept of Electronics & Comm at CITC, Changa, from 19-21 Mar 2009. It included the theoretical base and hands on practice using NS2 by experts invited from DAIICT, Ahmedabad and IIT, Mumbai.
- A symposium on **“Protecting Children in Cyber Space”** in association with IE(I) and CSI, Vadodara Local Centres was held on May 17, 2009. The Chief Guest on the occasion was **Dr Madhu Mehta**, MD, Anjleem, Vadodara, who presided over the function. **Col K J Singh**, CO, FIT, EME School, Vadodara, was the Guest of Honour. The other dignitaries present at the symposium

were: Shri D C Jain, EME School, Prof S G Shah, Dr R C Desai, Past Chairman, IETE Vadodara Centre, Shri Naresh Kumar, Shri M P Teredesai, Dr I I Pandya, Chairman IE (I), Vadodara Centre, Shri P A Snatwani, Hony Secy IE(I)-Vadodara Centre, Shri N M Bhatt, Shri N S Palsingh (Ex Com Members IE (I) Vadodara Centre), Shri Amit Johari, CSI-Vadodara Centre and personnel from EME School Vadodara. Wg Cdr S R Vasavada, read out the messages from HQ and ITU. Talks were delivered on the role of parents, magnitude of the risks involved and challenges for the parents, statistics on cybercrimes and victims, perils of internet like paedophiles, hate groups, pornography, plagiarism, piracy. The guidelines for the parents in providing secure cyber space by monitoring or filtering was also discussed.

Vijayawada

The IETE Centre and IE(I) Vijayawada Chapter, jointly conducted the **41st WTISD** on May 17, 2009. **Prof M Kama Raju**, Head of ECE Dept, Gudlavalleru Engg College, Gudlavalleru, Krishna Dist, was the keynote speaker on the occasion.

Warangal

The Warangal Sub-Centre celebrated the **41st World Telecom Day** with **Smt Surya Samantha** as the keynote speaker on the theme of the day. Others gracing the occasion were: Shri G Ragotham Reddy, Hony Secretary, Smt M Sreelatha, Vice-Chairman and Smt K Sivani, Hony Treasurer, of IETE Warangal Sub-Centre.

IETE Students' Forum (ISF) Activities

As a part of IETE expansion and dissemination of advancement of science and technology of Electronics, Telecommunication & IT to engineering fraternity at college campuses, the institution inaugurated new Students' Forums at the following engineering colleges and at other old ISFs conducted technical activities:-

- The inaugural function of **ISF at Prathyusha, Institute of Tech & Mgmt, Tiruvallur**, Tamil Nadu, was conducted on **Feb 19, 2009** with Shri V S Sundramurthy, Chairman IETE Chennai Centre as the Chief Guest.
- A one-day National Conference on "Recent Trends in VLSI, Information and Communication-NCRVIC 2009" was organized on **Mar 11, 2009** by **ISF, BS Abdur Rahman Crescent Engg College, Chennai**, with its IE Student Chapter. The Conference was inaugurated by Shri C V Vinod, ITS General Manager (Mobile Service), TamilNadu Telecom Circle, BSNL, Chennai. They also organized a one-day intra-college student Symposium "CRESONANCE-2009" on March 21, 2009. The Chief Guest on the occasion was Smt Rajashree Natarajan, Asst Vice President, Cognizant Technology Solutions.
- Inauguration of **ISF at Kalaingar Karunanidhi Institute of Technology, Coimbatore**, was on **Mar 17, 2009** by Dr T R Padmanathan, Chairman of IETE Coimbatore Centre, the Chief Guest.
- Dr S Arivazhagan, Chairman-IETE Sivakasi Sub-Centre, Prof & Head/ ECE, MEPCO Schlenk Engg College, Sivakasi, inaugurated the **ISF at Arasan Ganesan Polytechnic College, Sivakasi** on **Mar 20, 2009**.
- **SSM College of Engineering, Komarapalayam, Coimbatore**, organized a conference along with inauguration of **ISF** at its college on **Mar 21, 2009**. Prof K Gangadharan, Chairman IT, Amrita University, Coimbatore, graced the function as the Chief Guest.
- Inauguration of **ISF in Avinashilingam University for Women, Faculty of Engineering, Coimbatore**, was held on **Mar 25, 2009**. Thiru T K Shanmuganandham, Chancellor, Avinashilingam, presided and keynote address was delivered by Shri Prashanth R Nair, Hony Secretary, IETE Coimbatore Centre.
- **ISF-Vadakkenchery College of Applied Sciences, Palakkad**, conducted a number of activities including lecture on "DSP & Embedded systems", Workshop on "Ventilog HDL", a personality development programme, a technical visit to ITI Palakkad and inauguration of CASCA under Computer Science Association in the month of March.
- A presentation on "Robotics and Case Study of UAV" was made under the aegis of **ISF of East West Institute of Technology, Bangalore**, on **April 01, 2009**. A Robotics Association of the Students was also inaugurated on this occasion.
- The Dept of ECE of MPNMJ Engineering College, Erode, organized the ECE Association & **MPNMJEC ISF**, Valedictory function on **Apr 08, 2009**. The valedictory address was by Thiru V G Suresh, Dy Head (Personnel/HRD) Seshasayee Paper and Boards Limited, Erode.

- The Dept of ECE & ISF **Erode Sengunthar Engineering College, Thudupathi, Erode**, conducted a guest lecture on “Career Opportunities in IIM” by Shri S Amuthan, GM, TIME Institute, Erode, on **Apr 09, 2009**.
- IETE Salem Sub-Centre sponsored a National Conference on “Micro/Nano Devices Structures and Systems”, organized by **IETE ISF-Muthayammal Engg College, TN** on **Apr 09-10, 2009**. The ISF & ISTE Chapter of the college has also organized a special lecture on “Attracting more Youths towards Agriculture: An Engineering Prospective” on **Mar 25, 2009**.
- An **IETE Students' Forum** was inaugurated at **KLN College of Information Technology, Pottapalayam**, on **April 11, 2009** by Dr S Arivazhagan, Chairman IETE Sivakasi Sub-Centre and HOD/ ECE of Mepco Schlenk Engg College, the Chief Guest. Thiru G R Radhakrishnan, Joint Secretary of KLN Sourashtra College of Engineering, presided over the function.
- A technical paper Presentation Contest was organized by the **ISF-Indo Global College of Engineering, Abhipur, Mohali**, on **Apr 23, 2009** in the memory of some inspiring students. Out of 16 participants, Rahul Razdan, Manish Chauhan bagged first two positions, while third position was secured by Prithvi Rawat and Sumit Goswami.
- An electronic exhibition was conducted on **May 1, 2009** at **ISF Dept of ECE, Koneru Lakshmaiah College of Engineering, Vaddeswaram, Guntur**, as a part of ISF Activity.
- As a part of valedictory function, a technical quiz on the fundamentals of Electrical, Electronics & Telecommunication Engineering and a technical talk "Digital Broadcasting" by Shri R Lakshminarayana Rao, Chairman IETE Bangaluru Centre was arranged at **ISF, SJCIT**, on **May 9, 2009**.

Professional Activity Centre (PAC) Activities

- The **IETE-PAC at Amrita University, Amritapuri**, in association with 'Lakshya', Dept Association of Mechanical Engineering, organized a seminar on “Engineering with a purpose” on **Mar 20, 2009**. The purpose was to create awareness among students to take up society welfare projects. A competition for socially relevant project ideas, IDEA- 2009, was also launched during the function.
- To promote the awareness of free and open source software (FOSS) among the general public and to bridge the digital divide, IETE co-sponsored a **national conference** on “Free and Open Software” on **Mar 28-29, 2009** at **Amrita Vishwa Vidyapeetham, Amritapuri Campus, Kerala**. The talks of two-day conference were held in two parallel tracks comprising of technology /education and culture/society. The conference was inaugurated by **Shri K Nageshwara Rao**, Senior Site Director and Site Lead, India Engineering Centre, Sun Microsystems, India Ltd. The ceremony also saw the much awaited launch of the Kollam GNU / Linux Users Group (KLUG) by **Br Jayaraj P**, CTO, Amrita Research Labs.
- A seminar on “**Industry-Academia-Interaction**” was conducted during the inauguration of **2nd Professional Activity Centre (PAC)** at Gurgaon, at **KIIT- College of Engineering, KIIT Campus, Sohna Road, Gurgaon**, by **Lt Gen Ashok Agarwal, PVSM (Retd)**, President IETE. Dignitaries present on the occasion were : Shri R K Gupta, Chairman MLCC, the Guest of Honour; Shri B R Kamrah, Chairman, KIIT, Gurgaon; Prof (Dr) S S Agrawal, Council Member & Exec Dir KIIT, Gurgaon; Wg Cdr D N Misra (Retd), Zonal Coordinator (N); Brig V K Panday, Secy Gen, HQ and Shri R S Chauhan, Hony Secy, Delhi Centre.

NRDC Award Announcement

National Research Development Corporation (NRDC) on behalf of the Dept of Science & Industrial Research (DSIR) has instituted tax free Cash Awards (**Innovation Award of the Year 2009 and Societal Innovation Award of the Year 2009**) for meritorious innovations. It is a hunt for creative talent in individuals for the benefit of the nation. The maximum amount for the NRDC Innovation Award of the Year is Rs Five Lakhs and that of Societal Innovation Award is Rs Three Lakhs. The application forms for these Award(s) may be downloaded from NRDC website : www.nrdcindia.com

Achievements



A book titled “A Soldier's Journey through Life with Two Wives” by Brig Lakshman Singh VSM, (Retd), (F-043034L) Council Member, and Fellow Member IETE, was released at a function held at Vatika Signals Enclave, Rao Tula Marg, New Delhi, on Mar 2, 2009 amidst keen audience. The book is a memoir of the author's life, who at its simplest

recounts his personal & public life in his own remarkable style tossing the readers from his early days to his army days in gamut of emotions and later on stirring everyone with his struggle to strike a balance between services and his ailing wife without much help. “Letters from the Border and Other Less Told Stories” was the earlier emotional book (actually an excerpt as called by him) by the author dedicated to his loving wife **ROSY** aka **JEET**, and all those with him at Seven Brigade Signal Section and wives of the Indian Army.



Wg Cdr N Somasekhar Rao (Retd), (F-043434), a senior Fellow Member of IETE Hyderabad Centre, was awarded prestigious “Rashtriya Udyog Samman Puraskar” by **Indian Society for Industry & Intellectual Development, New Delhi**, on Mar 26, 2009 in recognition of his outstanding contribution.



Prof (Mrs) Anita Dandekar (F-026064L) was awarded “Rashtriya Gaurav Award” by **India International Friendship Society** and “Glory of India Gold Medal” by **International Institute of Success Awareness at New Delhi**, for her meritorious services and outstanding performance.

From Chairman Publications Committee



Publications of journals, newsletter and proceedings is a challenging task. The image of the organization is created and endured by its publications and websites in the electronics & information age. At IETE we are constantly striving to meet these challenges. Our members and readers would have noticed subtle changes that have been brought about in our Newsletters and journals in the recent past. We are receiving comments of appreciation and also suggestions for further improvements. I take this opportunity to commend the sincere hard work and efforts of our editors-in-chief, editors, reviewers and authors. They are all doing honorary work as an honourable service to the society. I am grateful for the positive contribution of our Council members and members of Publications Committee, in particular Shri K M Paul, our Co-opted member, who has rendered invaluable suggestions for the new look of the Newsletter. In the Publications Section our constant and continuous endeavour is to improve further our quality, content and appeal of our publications. I seek your support in terms of your feedback and suggestions to enhance IETE visibility through its publications.

M L Gupta

Professional Activity Centres (PACs) of IETE with contact details

1. Gorakhpur	Shri T N Shukla, Chairman , IETE Professional Activity Centre GM, Telecom, BSNL, Gorakhpur (M) 09415111125 and / or Dr Sanjay Sinha (M) 09415621434 Hony Secretary , IETE Professional Activity Centre, <i>C/o Vision Institute of Information Technology</i> , 315-1, Taigor Town, 10- No. boring, P O Gorakhnath, Dist. Gorakhpur 273 015
2. Nagarcovil	Dr A Perumal (M) 09443042050 Chairman , IETE Professional Activity Centre, Head of the Deptt, <i>St. Hindu College</i> , Nagarcovil
3. Kollam	Shri M Krishna Kumar (M) 09447431132 Asstt Professor, <i>Amrita Institute of Technology, Vallikavu</i> , Kollam
4. Gurgaon	Shri Babu Lal Sharma contact person Shri Gaurav Garg (M) 09968309988 Chairman , <i>B M Institute of Technology</i> , C/o Vasant Valley Public School, Sector 46-Gurgaon
5. Gurgaon	Prof (Dr) SS Agrawal (M) 09810198642 Executive Director, <i>KIIT- College of Engineering, KIIT Campus</i> , Sohna Road (Near Bhondsi), Gurgaon- 122 102
6. Changa, Anand	Prof Vedvyas Diwivedi Ph : 02697-247500 H O D, E C Deptt, Fax: 02697-247100 <i>Charotar Institute of Technology</i> , Education Campus Changa, At Post- Changa Taluka, Petlad, Dist Anand -388421

ISF ACTIVITIES



Inauguration of ISF at Prathyusha, Institute of Tech & Mgmt, Tiruvallur, Tamil Nadu on, Feb 19, 2009.



ISF at Kalaignar Karunanidhi Institute of Tech, Coimbatore, inaugurated on March 17, 2009.



Conference & Inauguration of ISF at SSM College of Engineering, Komarapalayam, Coimbatore.



Inauguration of ISF in Avinashilingam University for Women, Coimbatore, on March 25, 2009.



Activity at ISF Vadakkenchery College of Applied Sciences, Palakkad, in March 09.



Association Valedictory Function, ISF MPNMJ Engg. College, Chennai, on Apr 4, 2009.

Announcement & Call for papers

52nd Annual Technical Convention

Technology & Terror-Role of ICT in War against Terror

Sept 26-27, 2009

At Hotel Intercontinental, The Lalit Mumbai
Sahar Airport Road, Andheri (E), Mumbai-400 059

The IETE Annual Technical Convention is a major annual event of the Institution. It brings together IETE Members and all 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 "Technology & Terror –Role of ICT in War against Terror" is a national challenge in general and a new challenge in particular to the professionals in the field of ICT. With the rise of anti-social and terror activities particularly with adoption of modern ICT systems, the IETE convention invites one and all to discuss and dwell on the safety requirements of the nation and devise ways and means using ICT to meet eventualities like 26/11 and to combat menace of terrorism.

Papers are invited on the following topics :

- ICT in Crisis Management
- Cyber Terrorism
- Broadcasting in Emergency
- NGN for Public Security
- Surveillance, Network Security and Sensors
- Any other topics relevant to the theme

Important Dates

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Prof J W Bakal,
Hony Secretary, IETE Mumbai Centre
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Registration by at least one author of each accepted paper - **Sep 05, 2009**

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Exhibition:

The exhibition provides an excellent opportunity for the industries and companies to exhibit and promote their products in Information & communication technologies and related areas. Request for participation should reach by **15 Sept 2009**.

Exhibition (per stall 3M x 2M) :

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The details of registration fee for delegates

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Individual IETE/IEEE/IEE Members	1500/-	40
ISF Students	800/-	20

Note : The Institution of Electronics and Telecommunication Engineers (IETE) assumes no responsibility for the statements and opinion expressed by speaker(s) and contributor(s).

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