



सर्व शोध करवावा

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

FROM PRESIDENT'S DESK



Education plays a key role in shaping our vision for tomorrow's India. IETE as a facilitator of information and communication technology services and through its large-scale technical activities, is trying effortlessly to spread the right kind of education to the students as per the needs of industries. In its recent understanding with CII, IETE has expressed similar outlook in giving attention to developing industry-oriented syllabi, to enable an IETE engineer to work according to the needs of that specific industry. Developing knowledge workers in the globalized informed society during information technology revolution is one of our main priorities.

The recent satellite launch of ISRO has added yet another milestone in the Indian Space history. 28 April 2008 marked the successful completion of its missions of ISRO's PSLV launching the 690 kg Indian remote sensing satellite CARTOSAT-2A, the 83 kg Indian Mini Satellite (IMS-1) and eight nanosatellites for international customers into a 637 km polar Sun Synchronous Orbit (SSO). PSLV-C9 in its 'core alone' configuration launched ten satellites with a total weight of about 820 kg. This is a big achievement for ISRO and the country. We congratulate the ISRO scientists, engineers and technicians – many of whom are our IETE members, for this richly deserved success. We wish ISRO- our Organizational member, many more such feats of excellence in future.

IETE celebrated 17th May 2008 with the rest of the world in telecom sector as 40th World Telecommunication and Information Society Day on "Connecting Persons with Disabilities: ICT Opportunities for All" at all its centres/ sub-centres. The theme this year was in the context of privileges of disabled persons in the information age that remain sidelined from the mainstream of society because of their disabilities. The importance of ICT applications in helping and empowering this section of the society was raised in the event's deliberations. Another important technical activity in the offing is **IETE Apex Forum on "Satellite Based Multimedia Delivery: Future Trends"** in July 2008 at Bangalore. I hope that IETE members would participate actively in this important forthcoming event.

An equitable distribution of resources is important to promote and maintain socio-economic equality to emphasize the contribution of rural youth in the underlying strength of the Indian society. The recent Manipur Information Technology Expo-2008 was one step in this direction, facilitating planners, academicians, scientists and engineers to interact for the socio-economic advancement of the region and share their experience and expertise. The exposition was extremely useful in orienting the rural masses towards latest trends in information technology. Telecom and IT plays a vital role for the growth of the country. The IT industry's contribution to GDP has steadily moved upto 5.4% whereas service sector has contributed significantly by more than 60%. India has moved away from agriculture to service sector unlike most other nations who see growth in manufacturing before transitioning to the services. IETE has to discharge its responsibility in spreading and augmenting these changes.

I extend my invitation to all our members to come forward and share their experience & knowledge to enable us to serve the fraternity meaningfully.

S NARAYANA

IETE NEWSLETTER

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PRESIDENT - ELECT 2008-09



Lt Gen Ashok Agarwal, PVSM (Retd) is a Telecom engineer with B.E (Telecom) Degree from BIT Ranchi, M Tech (Control Systems) from Indian Institute of Science, Bangalore, MSc (Electronics Design) from Cranfield Institute of Technology (U.K) and MSc (Info Engg) from City University London.

He has over 40 years experience working with electronics & telecom and associated software systems. He was closely involved in design and development of complex communication and electronic warfare equipments. He has held many high level posts in Ministry of Defence including Director General Quality Assurance. He has traveled extensively around the globe and held Diplomatic assignment as First Secretary in Indian High Commission London where he earned the distinction of conceptualizing, designing and implementing 'Automated Visa Processing System' to be introduced for the first time in any of the Indian embassies in the world. He was awarded Param Vishishth Seva Medal (PVSM) by the President of India for his distinguished services.

After his retirement from Ministry of Defence, he served as senior executive in American based enterprise involved in development and marketing of high-tech telecom software and he has been pursuing his consulting work in this field.

A Fellow of IETE, General Agarwal has been actively associated with IETE for over two decades. He has served in the Executive Committee of IETE Delhi Centre and as Vice Chairman in Bangalore Centre for three years. He has been member of the IETE Council for last ten years in various capacities viz. Vice President, Chairman MLCC, Chairman ICC and Chairman Board of Examination. He has introduced number of reforms in the examination system and automation of counting & scrutiny of ballots and compilation of results of Council election. Presently, he is Vice President & Chairman Industrial Co-ordination Committee. He is President Elect for the year 2008-09.

Our Congratulations to Lt Gen A Agarwal on his election.

DISTINGUISHED FELLOW ELECTED



Dr P B Parikh (DF-016546) has been elected as IETE Distinguished Fellow in recognition of his outstanding contribution in the field of Electronics, Telecommunication and Information Technology. His expertise is in the field of production and quality control of electronic components and equipments.

Dr Parikh worked for the various Defence Research Projects at Solid State Physics Laboratory- Delhi since 1962 and was also associated with the electronic component standardization activity (ISO and LCSO). From 1971 onwards, he has served the growing indigenous electronic industry for the equipment and the component production technology (including SMT) and the Quality Control Activity on all India basis.

He is an active member of IETE (1965) and has rendered active service to the Institution for more than 40 years including his efforts to activate IETE Mumbai centre in 1972. He has since been the spearhead behind the growth of Mumbai centre.

The IETE Distinguished fellowship will be conferred on Dr P B Parikh at the inaugural session of 51st Annual Technical Convention of the Institution at New Delhi in Sept 2008.

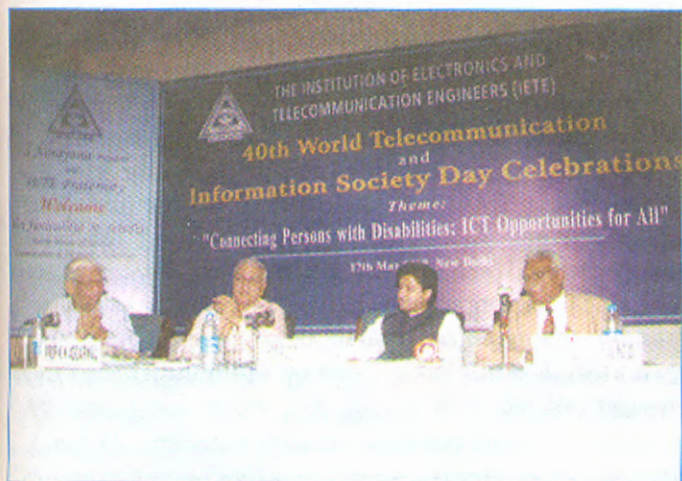
Our Congratulations to Dr P B Parikh on his election.

NEWS FROM HEADQUARTERS

40th World Telecommunication and Information Society Day (WTISD)

The World Telecommunication and Information Society Day was celebrated on May 17th at IETE Hqs as per resolution of International Telecommunication Union (ITU) on the theme chosen for the year 2008 **"Connecting Persons with Disabilities: ICT Opportunities for All"**. For deliberations and exchange of ideas on this apt topic, IETE had a gathering of leading personalities from telecommunication, information technology, broadcasting, and statutory bodies like RCI at the headquarters. On the occasion, the message of Dr Hamadoun I Touré, ITU Secretary-General was read which says, "The key to the information society is universal access. Everyone must have equal opportunity to participate in the digital age. And no one should be denied the potential benefits of new information and communication technologies (ICT), not least because they are hampered by their disabilities". Reverberating the importance of ICT in helping the disabled people of the society, Mr Ban-Ki-moon, UN Secretary General has said, "It is vital that we change attitudes and approaches to persons with disabilities, ensuring that all fundamental rights and freedoms are honoured, including the right to fully participate in the information society, and bring forth input, ideas and effort from the disability community".

The inaugural function started with the arrival of the Chief Guest, **Shri Jyotiraditya Madhavrao Scindia, Hon'ble Minister of State for Communication & Information Technology** and lighting of the ceremonial lamp. The other



World Telecommunication & Information Society Day at IETE HQs. Seated L→R Shri P N Chopra, Prof K K Aggarwal, Shri Jyotiraditya Madhavrao Scindia and Shri S Narayana.

dignitaries sharing the dais with him were: **Shri P N Chopra, Chairman, Technical Programmes Committee; Prof K K Aggarwal, Vice Chancellor, IP University; Shri S Narayana, President IETE; Brig V K Panday, Secretary General IETE**. Welcoming the audience and the distinguished speakers, Shri P N Chopra briefed about the aims and objectives of the Institution, introduced the topics of the speakers and mentioned about the various socially relevant projects undertaken by IETE.

Speaking on the occasion, **Prof K K Aggarwal, Vice Chancellor, IP University**, lauded the presence of relevant minister as the Chief Guest on the occasion of World Telecommunication and Information Society Day for the first time in the history of IETE. He quoted the vision of ITU, which was stated during inaugural function of 1st World Information Day way back in 1865. He called IT an user-friendly technology because ICT acts as cementing factor in reaching out and binding all the sectors of society. He clarified that it was not IT that created digital divide but the applications of ICT technologies, which were responsible for this. He mentioned the Kurzweil's Law, which says that \$ spent on ICT gives back 26\$. He emphasized on creating unbiased kind of technology and urged the technologists to see that their benefits were harnessed by all. He pointed out the various fields where IT had shown its potential to help the poor. He said that even the disabilities could be conquered with proper use of such ICT technologies if the people are sensitized towards newer developments.

Shri S Narayana, President IETE, highlighted the contributions of IETE in socially relevant projects like providing computer literacy to visually challenged persons with the help of IBM company at IETE Hqs. He talked of IETE's efforts in narrowing down the digital divide by organizing appropriate conferences, seminars and workshops on ICT through out the country by IETE centres. He said that the theme chosen by the ITU was extremely thoughtful, realizing that access to developing technologies can be extremely empowering for many disadvantaged groups. People with disabilities can be better connected and empowered by appropriate use of ICT. He mentioned about the challenges that were presented by the disabilities and emphasized on the need of having appropriate equipment at affordable prices according to the needs of the disabled persons.

The young minister **Shri Jyotiraditya Madhavrao Scindia** in his thought provoking address, enjoined the gathering to look at the potential of intellectual repository and

to harness the benefits offered by these ICT. Calling it a fantastic opportunity to include the disabled in the mainstream, he said that it was sad to see that India was not a disabled friendly country. He cited names of two disabled celebrities, Christopher Reeve of Superman fame with paralytic effects and Stephen Hawking, author of popular science bestseller "A Brief History of Time", with his Motor Neurone Disease and Amyotrophic Lateral Sclerosis, who overcame their disabilities against all odds and became the leading light for many. He invited audience's attention to the contributions of available Indian Govt agencies and Private agencies in enabling the disabled users to access the required information with the help of these promising technologies. He stressed on setting up the portals, making available the appropriate digital and audiotapes, on proper teacher and parents training programmes for those associated with disabled. He urged that all should be given equal opportunities without any discrimination as each had equal stake in determining country's future and to ensure that every citizen has a role to play in it.

The vote of thanks was proposed by **Brig V K Panday (Retd), Secretary General, IETE**, who emphasized on a focused approach and sensitization of the public towards the issue of the disabled.



Shri S Narayana, President IETE, presenting a silver salver to the Chief Guest, Shri Jyotiraditya Madhavrao Scindia, Hon'ble Minister of State for Communication & Information Technology at IETE HQs.

The first keynote speaker, **Shri R P Agarwal, Wireless Advisor** to the Govt of India, explained ITU's strategies in holding such types of seminars. He talked of equal rights and opportunities for both the normal and the disabled persons, which was the aim of holding this year's WTISD "Connecting

Persons with Disabilities: ICT Opportunities for All". He advised everyone to remember that disaster was one thing that could strike anyone, anywhere, anytime. He reminded the audience of Govt's efforts in boosting ICT in the country; in planning tariff rates, licenses, other mobile services which are to be standardized according to the needs of the disabled persons; of equipments and services to be made accessible to them at affordable prices; of proper coordination in all Govt sectors to accommodate new wireless technologies in rural/urban areas with affordable connectivity. Thus he stressed on the importance of the improved services to the society.

Shri R N Padukone, Sr DDG, TEC, also reiterated through his thought provoking presentation that everyone was qualified in some measure, if not now, but some time or some day & somewhere for becoming a disabled person. The disability could be in terms of personal physical condition like being blind, deaf & dumb; limb disability or of advanced age; environmental conditions like noise, mines or living in rural or far flung areas or cultural conditions like that of spoken language diversity. He suggested various ways in which technology could be directed towards helping disabled persons like, Braille enabled mobile keying; IVRS enabled browsing; Vision-only calls at normal tariffs; Leaky Cable technology for mobile service in a mine or metro tunnel. Extension of specific emergency number for the disabled. Shri Padukone elaborated on models of Knowledge centres with minimum set of basic services with provision for multilingual interaction, model of rural business hub with physical services. He suggested bringing down cost of services; increasing local manufacturing capabilities and for WiMax, WiMesh, DOCSYS, BBoPL, Content Delivery standards that could meet rural expectations of today. He indicated various value added e-services; talked of the benefits of rural informed society, for giving boost to information technology and employment; giving efficient e-governance support to citizens, of rural products going global at competitive prices with the role of middle men being minimized etc. According to him all-round diversification of benefits would enhance social stability, law and order, economic information and security, national disaster readiness, draught management, earthquake management, pest agricultural epidemics, human epidemics and flood management etc.

Dr K K Ghosh, Director MC&IT, who spoke in place of Dr U P Phadke, Advisor DIT, MC&IT, informed

about the various systems for Visually Impaired People, Information Technology for Braille Literacy, Braille software, Automatic Braille Embosser, Electronic Tactile Reader, e-classroom, e-library, Systems for persons with Cerebral Palsy, Special Access Switches, Voice Output Communication Aid GUPSHUP, 16 key Voice Output Communication Aid, Motorized Wheel Chair, Digital Programmable Hearing Aid and work which is being done by Media Lab Asia (MLA), by Satellite & Internet based national network for education, training and empowerment of the disabled.

Shri M S Arora, Technical Advisor, Rehabilitation Council of India, Ministry of Social Justice & Empowerment, Govt of India, New Delhi, spoke on the topic "Dissemination of Information and Training for the Welfare of Persons with Disability using ICT". Rehabilitation Council of India (RCI) realizing the potential of modern Information & Communication Technology (ICT) has reached out to the far flung un-reached areas on disability issues. The remote & rural areas, where access to a range of qualified faculty is limited, will benefit the most. He informed about the RCI's joint project with ISRO and Media Lab Asia - A Comprehensive Satellite /Internet Based National Network for education, training and empowerment of the disabled. This has two main elements: establishment of disability channel through EDUSAT named "Navshikar" and establishment of Web Portal named www.punarbhava.in

Shri M S Arora informed about advantages of setting up of EDUSAT uplink station at RCI in providing better opportunities to all concerned with disabled and the Web portal which is a national interactive Web Portal on disability and serving as platform of information bank.

NEWS FROM LOCAL CENTRES

Aligarh

The centre organized a two-days zonal workshop on "Microcontrollers and Robotics- MICROB-2008" in collaboration with the Dept of EE, ZH College of Engg & Tech, AMU, Aligarh, on May 3-4, 2008. The Vice Chancellor of AMU, Aligarh, was the Chief Guest and Shri P N Chopra, Vice-President IETE and Shri P P Malhotra, the IETE Zonal Coordinator (North) were the Guests of Honour at the workshop. The workshop consisted of two technical sessions and four training sessions on Microcontrollers kits. The invited talks were delivered by eminent researchers and technologists like Prof Moinuddin, Dir, NIT, Jalandhar; Prof

N Ahmad; Prof P Mustajab, Prof M Ahmad, Prof M Salim Beg, AMU, Aligarh and Prof Amitabha Mukherjee, IIT, Kanpur. The training sessions were conducted by Shri M Umair, Shri S Ahsan and Shri M Adeel, IIT, Kanpur. Participation certificates were distributed to the registered delegates.



IETE Zonal workshop on Microcontrollers and Robotics at Aligarh on 3-4 May 2008.

Bangalore

The centre organized the following activities:-

- Inaugurated the **Summer School in Electronics** for School Children (SUSIE-08) with 62 children on April 06, 2008.
- IETE Conference on "RF & Wireless" was inaugurated by Dr K G Narayanana, Director (Retd) ADE, from 24th - 26th April 2008. There were 35 papers presented during the conference and about 80 delegates attended. The pre-conference tutorials were on April 24, 2008.



ICon RFW-08 Souvenir being released during the conference at IETE Bangalore.

- Valedictory function of **Summer School in Electronics (SUSIE-08)** was held on May 11, 2008. **Shri S Varadarajan, Director, Electronics & Radar Development Establishment (LRDE), DRDO, Min of Defense**, was the Chief Guest. During one month long course a visit to Doordarshan & ISRO Satellite Centres were arranged for the participants. An exhibition of electronics projects was held for the members, parents and general public. Participation certificates and consolation prizes were distributed. The first three prizes were sponsored by the Institution of Engineering Technology (IET), Bangalore Network.



A view of the exhibition during SUSIE -08

- IETE Bangalore centre, celebrated the **World Telecommunication & Information Society Day** jointly with IEEE Bangalore Section and Institution of Engineering Technology (IET), Bangalore Network, on May 17, 2008. **Shri V S Mahalingam, Director, Centre for Artificial Intelligence & Robotics, DRDO, Min of Defence**, spoke on the theme "Connecting persons with Disabilities : ICT Opportunities for All". **Wg Cdr H R Parthasarathy, IEEE**, delivered the **Prof S V C Aiyar Memorial Lecture**.
- **Bharati Airtel Training Programmes** for 93 Diploma and ITI holders, employed as Installation Engineers & Asst Installation Engineers have been completed in four batches on May 31, 2008.

Bhopal

The following activities were conducted :-

- **New premises of IETE Bhopal centre** was inaugurated by **IETE President, Shri S Narayana**, on April 26, 2008 in the presence of **Shri Laxminarayana, Chairman**

MLCC, Brig V K Panday (Retd), Secretary General of IETE corporate members and guests.



A view of the dais during inauguration of Bhopal centre premises

- **40th World Telecom and Information Society Day** was jointly organized by IE, IETE and CSI on May 17, 2008 at IETE Bhopal premises. **Shri D S Mathur, IAS, Ex Secretary Telecom Commission** was the Chief Guest on the occasion while **Shri M K Jaiswal, GM(Dev), BSNL**, was the Guest of Honour. Welcome address was delivered by **Shri P P Khare, Organizing Chairman**. **Shri Mahesh Shukla, GMT, BSNL** delivered the keynote address. **Shri R K Sengupta, Organizing Secretary**, read the message from **Secretary General ITU**, on the theme "**Connecting persons with disabilities: ICT opportunity for all.**" There was a large gathering of engineers, professionals and students. The audience was also addressed by **IE (I) Chairman** **Shri P Siddiqui**, **Chairman IETE**, **Shri R P Singh**, **Prof Rana** from **CSI**. An exhibition of telecom facilities and technology was organized by **BSNL** in the premises which was appreciated by all.

Bhubaneswar

17th May 2008, the **40th World Telecommunication Information Society Day** was celebrated at the local centre under the guidance of the **Chairman, Shri S M Talwar, CSE, BSNL, Orissa Circle**. **Prof Dr P K Mohanty, Curriculum Development, BPUT** was the **Chief Guest** for the function which was graced by three other eminent speakers: **Prof Dr P Kabisatpathy**, **Dr R M Pattanaik** & **A K Swain**. Their topics were, "Role of Communication in connecting the persons with Disabilities", "Strategic Approach of Communication among Disabilities" and "Robotics With Chair for Disabled Persons for Communication Purpose".

respectively. The vote of thanks was proposed by Ex Treasurer of IETE Bhubaneswar centre, Shri S N Das.

Chandigarh

- A lecture on "Free Space Photonics Communication" by **Dr G S Singh, Deputy Director, Optics Based Strategic Instrumentation, CSIO, Chandigarh**, was arranged on April 07, 2008. He explained the concept in a very lucid manner. Free-Space Photonics (FSP) communication popularly known as optical wireless, provided low cost, high speed wireless connectivity for a variety of "last mile" applications. The technique operated at data rates of 1.5 Mbps to Gbps speed without requiring right-of-way or Govt's permit for installation, providing communication links in hours instead of weeks and months. The FSP communication system combined the advantages of high capacity optical transmission by optical transmission device technologies and inherent flexibility of tether less wireless networks. He emphasized on the seamless interconnection of standard single mode fiber (SMF) and FSP links where by an optical signal is coupled from one media to another without any optical electrical on versions thereby creating an opportunity for further cost savings. He said that this technique also refers to the transmission of modulated visible or infrared (IR) beams through the atmosphere, instead of enclosing the data stream in a glass fibre to obtain optical communication.

- Celebrations of **40th World Telecom & Info Society Day** was observed on 17th May 2008 at the centre with great enthusiasm on the theme selected by ITU. The Chief Guest on the occasion was **Dr S K Mangal, Past Chairman, IETE Chandigarh Centre, Senior Advisor, Centre for Research in Rural & Industrial Development, Chandigarh**. He said that access to ICT creates development of the Internet, opportunities for all people and take into account the needs of disabled persons. Thereby the barriers of prejudice, infrastructure and inaccessible formats need no longer stand in the way of participation. A connected talk on "Additive Technologies on various aids for Blind disabilities" by **Maj Gen Rajendra Nath, PVSM (Retd), Chairman, The Institute of Blind, Chandigarh**, was arranged on the day. Other speakers sharing the dais were **Ms Shilpa Jindal, Head Electronics & Communication Engg Dept, CCET, Chandigarh**; **Shri D S Pathania, Chairman of the centre**; **Shri J K Chhabra, Hony Secy of the centre** and **Shri Basudeo Prasad, Scientist, CSIO (Retd)**.

Chennai

WTISD-2008 was celebrated in Chennai under the auspices of IETE Chennai centre on May 17. The theme of the year "Connecting Persons with Disabilities: ICT Opportunities for All" was elucidated by **Shri V Appakutty, Zonal Co-ordinator (South) IETE**. **Dr V Ramachandran, Vice Chancellor, Anna University, Trichy**, the Chief Guest gave an informative and inspiring inaugural address. He opined that the technology development should come to help the disabled persons in a more suitable way. **Shri Mohan Sundara Rajan, Science Writer and Former Columnist, Asian Development Bank, Bangalore**, the Guest of Honour, delivered the keynote address and expressed his hope of Chennai becoming the first city to have a blanket Wireless Internet coverage (WiFi) within a year. The other eminent personalities who highlighted the necessity of helping the disabled using technology were: **Prof (Dr) V Velayutham, Director and Superintendent, Regional Institute of Ophthalmology, Govt Eye Hospital, Chennai** and **Smt Jaya Krishnaswamy, Director, Madhuram Narayanan Centre for Exceptional Children, Chennai**.

All Engineering fraternity and professional bodies like IEEE, IET, IE (I), CSI & BES, in the city were represented by their respective President / Chairman to felicitate IETE Chennai centre on the occasion. The vote of thanks was given by **Er V S Sundaramurthy, Hony Secretary, IETE**.

Coimbatore

The following activities were conducted by the centre:-

- Upgradation of Coimbatore sub-centre** to a full-fledged IETE local centre by **Shri S Narayana, President IETE** on June 06, 2008. The Guests of



A view of dignitaries present on the occasion of upgradation of Coimbatore Sub-centre to Centre.

WORLD TELECOMMUNICATION AND CELEBRATIONS OF IETE



INFORMATION SOCIETY DAY - 17th MAY 2008

CENTRES / SUB CENTRES



Honour on occasion were: Prof K Laxminarayana, Chairman, MLCC; Dr M P Chandrasekharan, Dean, Amrita University; Shri V Appakutty, IETE South Zone Coordinator and Shri A Ganesan, Chairman, IETE Chennai centre.

- The IETE Coimbatore centre & CSI together celebrated the **40th World Telecommunication & Information Society Day** with academicians, technocrats, members and students. During the event two innovative projects developed by ISF students connected to the theme of the day were showcased. The first project called **'TESLA-The Sign Language Animator'** is a software developed for Hearing and Speech impaired. It translates English text to American Sign Language (ASL) grammar and signs it with the help of a 3D model. This tool can be used for teaching & learning. It can also be deployed in public places such as railway stations, hospitals. It could also be integrated into e-Learning websites. Second project- **'Online Messenger for disabled'** is another software project that performs speech synthesis and speech recognition that would help physically challenged people to communicate in Wi-Fi network. Text invoice messages could be sent in this system, which uses techniques like Vector Quantization and Hidden Markov Modelling. Dr Lakshmi of Special Education Department of Ramakrishna Mission Vivekanand University was the Chief Guest for the event. She and her faculty team from the areas of Mental retardation, sign language and low vision, interacted with the project team members. The IETE Coimbatore centre, proposes to deploy these projects in school for the handicap and also at the Special Education Department of Vivekanand University in Coimbatore.

- The centre collaborated for the 1st National Conference in **'Communication, Computation, Control and Automation'** held at Sri Ramakrishna Institute of Technology Coimbatore, on 25-26 April 2008. The Chariman and Hony Secy were on the advisory committee and also chaired the sessions for the conference.

Dharwad

A one-day workshop on **"Orientation Programme on HDL Programming"** was conducted by the sub-centre for the students of Dept of E&C of SDM College of Engineering & Technology, on Jan 29, 2008. Prof S G Kambalimath, Dept of E&CE, Basaveshwar Engg College,

Bagalkot, was the resource person. Prof S S Kerur, Hony Treasurer, IETE Dharwad sub-centre, coordinated the workshop.



Workshop in progress at Dharwad Centre.

Imphal

IETE Imphal sub-centre was inaugurated by His Excellency Dr S S Sidhu, Governor of Manipur, at Lamphel Langol Road, on May 10, 2008. A Zonal Seminar (East) on the topic **"Trends in IT for Development of Sustainable Rural Economy"** was organized on the occasion. Speaking on the occasion, the Chief Guest said that Indian science and technology was poised for a big leap to push forward the new century. Information Technology was the main propellant of this fillip. Maintaining that the progress of IT had profound impact in Indian economy, Dr Sidhu informed that the working group on Information Technology for the masses, established by the Ministry of IT had set a target of 100 million internet connections by the year 2008 and one million internet cyber cafes to be set-up in the country. He said that the recommendations of the working group on IT like compulsory IT literacy for Govt recruitment, earmarking upto 5% budget for IT induction in Govt, State Govt portals to help rural artisans and all Govt information to be on internet should promote transparency and accountability of public authorities. With the growth of ICT, the rural-urban divide would reduce. He lauded the great services rendered by IETE to engineering profession by filling up the gap between supply and demand of qualified engineers and bring about the country's economic development by providing suitable technical education to working people in the non-formal sector. He expressed hope that the IETE Imphal sub-centre would accelerate its activities and join IETE's endeavour to produce a large number of IT trained human resource both in formal and informal sectors.

Shri S Narayana, President IETE, said that the aim of organizing such a seminar was to highlight the issues pertaining to latest trends in IT for sustainable rural development from various perspectives.



Governor coming out of the IETE building after its inauguration.

Jammu

A one-day workshop on "Ethical Hacking" at CGM Science College, Jammu, was organized to celebrate World Telecommunication & Information Society Day on 17th May 2008. **Shri Anupam Gupta, GM, BSNL**, the Chief Guest, talked on opportunities for disabled students in telecommunication. Prof S K Suri, Chairman, IETE Jammu centre, informed about developments and advancements in telecommunication and electronics. Prof Parveen Lehana, Hony Secretary, IETE Jammu Centre, gave a presentation on mobile phone and Shri Anoop Girdhar, CEO, Cedula Group, gave a live demonstration on ethical hacking and cyber security. Vote of thanks was proposed by Prof Susheel Sharma, Hony Treasurer, Jammu centre.

Kochi

To commemorate the 40th World Telecommunication and Information Society Day, the centre celebrated the day with IETE members and students in large numbers on May 17, 2008. **Wg Cdr N J Pillai, Chairman, IETE Kochi** centre spoke on the theme of the day "Connecting Persons with Disabilities: ICT Opportunities for all".

Lucknow

IETE Lucknow centre & BSNL, Lucknow, together celebrated the **World Telecommunication & Information Society Day** on May 17, 2008 at the Auditorium, Telephone Exchange. **Shri B B Lal, Chairman, IETE Lucknow** centre,

welcomed the Chief Guest, **Shri Om Vir Singh, CGM UP (E) Circle, BSNL, Lucknow**, speakers, members and delegates.

The speakers on the occasion were Shri Sunil Parihar, PGM Lucknow Telephones, BSNL, Lucknow; Shri C B L Srivastava, Ex-CGM, BSNL; Shri Atul Sharma, DGM, BSNL; Shri V S Khushwaha, DGM, IT, BSNL. The Chief Guest talked about the global developments in the field of ICT for disabled persons through out the world and using ICT for their employment purposes in the society. Vote of thanks was proposed by Shri Alok Sinha, Hony Secy, IETE Lucknow centre.

Mumbai

The IETE Mumbai centre jointly organized the 40th **World Telecommunication & Information Society Day** with IRSTE Mumbai Centre, IET Mumbai Network, IEEE ComSoc, IEEE Bombay Section and BESI Mumbai Chapter on May 17, 2008 at Central Railway Auditorium, Mumbai. Welcome address on the occasion was delivered by Dr KTV Reddy, Hony Secy of IETE Mumbai Centre. Dr T S Rathore read out the message by ITU Secretary General, Dr Hamadoun I Toure, while Shri Ashok Jagatia, Chairman IEEE ComSoc, read out the message of UN Secretary General, Mr Ban-Ki-moon for 40th World Telecommunication & Information Society Day. Shri G S Tuteja introduced the keynote speaker of the day **Prof (Ms) A N Cheeran**, who elaborated on the present research in the ICT field and its usefulness to the public especially to the disabled in various modes.

Nagpur

The centre actively conducted a number of technical activities:

- **01 Mar 2008:** Vidarbha Level Quiz Competition on "Digital Communication" was organized in association with ISF of Shri Ramdeobaba Kamla Nehru Engineering College (SRKNEC), Nagpur. The dignitaries present on the occasion were Lt Col R M Onkar (Retd), Chairman of Nagpur centre; Dr S S Limaye, Principal, SRKNEC; Dr D A Deshpande, Immediate Past Chairman, IETE Nagpur centre; Dr K R Bagree, Hony Secretary; Er S L Dravekar, Joint Secretary; Prof M B Damle, Coordinator ISF of SRKNEC, Nagpur. The team of Swapnil Pimple and Ashwin G Balani of SRKNEC, Nagpur, was adjudged the best team.
- **15 Mar 2008:** A seminar on "Development of Cellular Technology Beyond 3G" was organized in association

with BSNL, Telecom District, Nagpur. Shri M G Joshi, Former Member, Telecom Commission, New Delhi, presided over the function. **Shri K Narayana, Principal General Manager, BSNL, Nagpur**, was the Chief Guest. The keynote speaker was Lt Col R M Onkar (Retd).

- **12 Apr 2008:** A lecture on **"Project Management of Long Distance Communication"** was organized by the centre.
- **26 Apr 2008:** Late Dr P K Kapre Memorial Lecture was delivered by the Chief Guest, **Dr P D Majumdar, Former Scientist, ISRO and Advisor, Rajiv Gandhi Science and Technology Commission, Govt of Maharashtra**. He spoke on **"India's Pride: GSVL Programme"**. He highlighted various stages and technologies involved in Geo Synchronous launching of Vehicles. He narrated the GSVL's services concerning the nation building and for the common man. During the function, the winners of the **essay competition** on **"Global Warming"**, the students of Mount Carmel Girls' High School, Ajni Square, Nagpur, were presented with the cash prizes and merit certificates.
- **10 May 2008:** A lecture was held on **"Introduction to Six Sigma"** by **Dr D A Deshpande, Director, Computer Science and Research, VMV College, Nagpur**.
- **17 May 2008:** For the celebrations of **40th World Telecommunication and Information Society Day**, **Shri K Narayanan, PGM, BSNL, Nagpur Telecom** presided over the function. The key speakers of the session included Shri Praveen Punj, G M Western Telecom Project, Nagpur and Shri Chandrashekhar Mahalle, DGM, Networks, Tata Teleservices, Maharashtra and Shri Makrand Pandharipande, Joint Secretary, Blind Relief Association, Nagpur.

Nashik

IETE and IE (I), Nashik local centres, jointly organized a function to celebrate the **40th World Telecommunication & Information Society Day** on May 17, 2008 at IE (I) premises. **Prof (Dr) M S Sutaone, Electronics & Telecommunication Dept, Govt College of Engg, Pune**, delivered an informative lecture on **"Latest Trends in Telecommunication Technology"**. The members present on the occasion were: Shri Ashok Weer, GM, BSNL, Nashik & Chairman IETE; Prof D M Chandwadkar, Vice Chairman; Prof M D Kokate, Hony Secretary; Mrs Apurva Jakhadi, Jt Secretary; Prof S S Morade, Prof Sane, Prof Milind Jadhav,

Shri S A Bhadane, Dr S G More, Shri T N Agrawal, Chairman IE(I); Shri Manish Kothari, Hony Secretary, IE(I).

Palakkad

The **40th World Telecommunication and Information Society Day** was observed on May 17, 2008 by the sub-centre under the guidance of Shri C K Haridas, the Chairman. **Shri K L Jairam, GM, BSNL** was the Chief Guest. Dr R Vikraman, Principal, NSS College of Engg & Vit Chairman, sub-centre spoke on the theme of the day. Hony Secretary, Capt (Retd) R Sundaran, delivered the welcome address and Mohd S A Basheer proposed the vote of thanks.

Patna

The centre celebrated the **40th World Telecommunication Information Society Day** on May 17, 2008, on the theme selected by ITU. **Shri S C Mishra, CGM, BSNL, Bihar Telecom Circle, Patna**, was the Chief Guest on the occasion. Shri Ashok Kumar, Dy GM (NC), Bihar Telecom Circle, delivered the keynote address and Shri Rajnish Kumar Misra, PGM, Patna Telecom District, presided over the function.

Pune

IETE Pune centre and IE (I) Pune, jointly celebrated the **40th WTISD** on May 17, 2008. **Dr Milind S Shah** from **Fr C Rodrigues Institute of Technology, Mumbai**, was the Chief Guest to speak on the theme of the day. He gave a very lucid lecture with slides from his own research on how speech was processed for hearing impaired people. He expressed the need of doing more work in the field of IC for the benefit of the disabled persons. Others who spoke on the occasion were: Mrs Jyotsna Chaubal Deshpande, Chairperson of IE (I), Prof S K Kshirsagar, Chairman IETE Pune centre, Shri R V Datar, Vice Chairman of the centre and Dr Mundada.

Rajkot

IETE Rajkot centre, IE Rajkot Chapter & A V Parel Technical Institute, jointly celebrated the **40th WTISD** at AVPTI College, Rajkot. **Er R P Nibaria, DRM Western Rly Rajkot** was the Chief Guest for the function. Keynote address was delivered by Er Z H Siddiqui, Sr DTSE, Western Railway, Rajkot. Dr S A Puranik, Chairman (IE), welcomed the invitees members & students. Er C M Devani, Chairman IETE Rajkot centre, also spoke on the history of the day. Presentation of the theme was by Dr C H Vithalani, HOD Electronics Department AVPTI, Rajkot. The vote of thanks was proposed by Prof D H Dhir.

Vadodara

A State-Level Paper Contest "**Networking, Technology and Applications-2008 (NTA-2008)**" was organized by the centre in association with Institution of Engineers (I), Vadodara local centre, on April 20, 2008. **Prof S K Agrawal, Principal and Campus Dir, Babaria Institute of Technology, Varanasi**, was the Chief Guest. He briefed about the importance & needs of networking in today's scenario. He stressed on continuous updating of knowledge. Others present during the contest were Dr R C Desai, Ex-Chairman, IETE Vadodara centre, Shri Naresh Kumar, Ex Hony Secy, IETE Vadodara centre; Shri D J Shah, IETE Ahmedabad centre; Shri N M Bhatt, Prof I I Pandya, Prof P N Sutariya, Executive Committee Members IE (I), Vadodara Local centre. Prof S K Shah gave overview of the contest and informed about the 28 papers that were selected by the technical committee for presentations in the two technical sessions. The presentations were classified under two categories: Review papers and Research and Development papers. Prizes were distributed to the winners in the function chaired by Wg Cdr S R Vasavada, Chairman, IETE Vadodara centre.

IETE Vadodara centre together with IE (I) Vadodara local centre, celebrated **40th World Telecommunication and Information Society Day** on May 17, 2008. **Maj Gen Harkirat Singh, Commandant, EME Vadodara**, the Chief Guest presided over the function. Wg Cdr S R Vasavada introduced the topic. The Chief Guest briefed about today's ICT scenario and need for development of ICT tools for disabled persons. Dr B P Lulla and Dr Ronak Pandit delivered lectures on ICT opportunities for special children. Dr Lulla stressed on need for special education to special children and deliberated on opportunities expected from ICT. Dr Pandit described ICT as a stepping-stone for persons with disabilities. She discussed how technology could play a powerful role via instructional programs such as simulation, tutorials and demonstrations. Shri Purshottambhai Panchal delivered a lecture on "ICT: Opportunity Transformation from differently-abled to highly-abled". He shared his experience of working with Leprosy patients and persons with various disabilities and highlighted the applications used by them. With the help of series of photographs, he illustrated how they can live better life with dignity and self esteem. Mrs Jayshreeben Shah's lecture was on "ICT: Design

for all: Adaptive and Assistive Technology". Computers with modified accessories and the Internet had the potential to make a very significant difference in the life of persons with disabilities. She enlisted special products and services interfaced to existing products and technologies to meet the user's specific requirements that may prove beneficial. Shri Ramakant Sharma, BSNL (VTD) concluded the proceedings of the symposium. Prof Satish Shah, Hony Secy, proposed vote of thanks. Shri Tushar B Kher, Ex-Hony Secy, IETE Vadodara centre, was the "master of ceremony".

Varanasi

A one-day seminar on "**Brahma Varchas Vedant Avam Adhunik Vigyan**" was organized on May 15, 2008 by IETE Varanasi sub-centre. **Dr A K Datta, Chairman, Brahma Varchas Research Institute, Shantikunj Haridwar**, was the Chief Guest. The Guest of Honour on the occasion was **Prof (Dr) Smt Saroj Churamani Gopal, Vice Chancellor, Chatrapati Sahuji Maharaj Medical University, Lucknow**. Shri Kripa Shankar Singh, Chairman IETE Varanasi sub-centre, delivered the welcome address and the keynote address was by Prof Hardarshan Kumar, Science faculty & Group Co-ordinator, Biotechnology, BHU.

Vijayawada

The World Telecommunication & Information Society Day was organized on 17th May 2008 jointly by IETE Vijayawada centre and IE (I) Vijayawada local centre. Welcome address was made by Dr K R K Prasad, Chairman IE (I) Vijayawada Centre. In his Presidential address, Shri C Venkatramanna, Chairman IETE centre, opined that govt and non-govt organizations including the policy makers at the helm of affairs, should plan the strategies to meet the ICT needs of persons with disabilities. The Chief Guest, **Shri D Rama Krishna, MD, M/s Efftronics Systems Pvt Ltd, Vijayawada**, emphasized on harnessing the benefits of ICT.

Shri J Naga Babu, the first 100% visually challenged BTech (CSE) graduate from JNTU, Gudlavalluru Engg College, Gudlavalluru, was specially invited to share his experiences in acquiring the degree. He narrated the hurdles faced by him and how he overcame those challenges with the help of technology. He sincerely acknowledged the services rendered by the Dept of Technical Education, JNTU and the financial support extended by AANM & VVRSR Educational Society, Gudlavalluru, in successful completion of his diploma & degree.

Visakhapatnam

The centre celebrated the 40th WTISD on May 17, 2008, the Chief Guest was **Shri P Nagaraju, ITS, GM, BSNL**. Prof K Raja Rajeswari, Chairperson, appreciated choosing such an excellent theme for the day and also appreciated the services by BSNL for the benefit of disabled persons in the remote areas which helped them to connect. She stressed the need for the scientists and academicians to come forward with their research & development to facilitate accessibility for disabled persons to connect all through ICT. Prof G S N Raju, Immdt Past Chairman, also expressed his views on the occasion. Prof N Balasubrahmanyam, Hony Treasurer, proposed the vote of thanks.

ISF ACTIVITIES

- **IETE Student Forum at Maharaja Prithvi Engg College, Avinashi, Coimbatore**, was inaugurated on March 27, 2008. Shri Senthil Raju, Asst Project Manager of Cognizant Technology Solutions, Coimbatore, was the Guest of Honour.
- **ISF of Govt Polytechnic, Sadar, Nagpur**, was inaugurated by Lt Col R M Onkar (Retd), Chairman, IETE Nagpur centre on April 05, 2008. Prof D R Nandanwar, Principal, Govt Polytechnic, Nagpur, presided over the function.



ISF at Nagpur

- A talk on "Recent Trends in Wireless Technology" by Prof Mohan Sundarajan for ISF students at ECE Dept of Sri Muthukumaran Institute of Technology, Chikkarayapuram, Mangadu, Chennai, was given on March 28, 2008.
- **ISF-SVMIT, Bharuch**, inaugurated a lab 'Embedded System and Design Laboratory' at EC Dept on April 17, 2008. A seminar on "Embedded Systems and

Embedded Design Development Tools" was organized on the same day. Wg Cdr S R Vasava, Chairman, IETE Vadodara centre, was the Chief Guest. The aim of the seminar was to make students familiar with basics of Embedded Systems Design and its impact on design trends. Eminent speakers present to share their experiences were Prof S K Shah, ECE MSU Vadodara and Shri Nitin Paranjape, MD, Edu Systems.



ISF at Bharuch

- **ISF at Thapar University, Patiala, Punjab**, was inaugurated by 50 students of ECE Dept, was inaugurated by Chief Guest, Shri D S Pathania, Chairman IETE Chandigarh centre, on April 22, 2008. Others not present were Shri Basudev Prasad, EC Member, Dr Kulvir Singh, Faculty In-charge and Dr A Chatterjee Professor & Head, ECE, Thapar University.



ISF at Patiala

- A two-day national conference on "Multimedia Signal Processing and Broadband Technologies" was organized by the ISF, BSA Crescent Engineering College

9th - 10th, 2008 and inaugurated by Shri R Venugopal, Superintending Engineer, AIR/DD, Chennai. Invited lectures were by Prof N Gunasekharan, Vice Principal, Prathyusha Institute of Technology & Management, Thiruvallur and Dr S Poonachandra, Prof & Head, ECE Dept, RMD Engg College. Technical papers were also presented during the sessions.

IETE PROFESSIONAL ACTIVITY CENTRE

IETE's second Professional Activity Centre (PAC) was inaugurated at Amrita Vishwa Vidyapeetham, Amritapuri Campus, Kollam, Kerala, by President IETE, Shri S Narayana on March 30, 2008. The first IETE-PAC was at Jawaharlal Nehru National College of Engineering, Shimoga. President during his address explained how IETE-PAC, Kollam, could help in the professional development and act as a platform for practicing engineers and technical students in and around Kollam district by organizing periodic seminars, discussions and workshops in emerging technologies. Shri R P Nair, Chairman IETE Thiruvananthapuram centre, presided over the function. Dr K B M Nambudiripad, Dean Amrita Vishwa Vidyapeetham,



Inauguration of IETE-PAC Amrita Vishwa Vidyapeetham, Amritapuri Campus, Kollam, Kerala.

Amritapuri Campus and Dr K Sankaran, Principal of Amrita School of Engg, Amritapuri Campus, addressed the gathering. A lecture on 'Indian Space Programme- Present, Past and Future' by Shri S R Vijaya Mohankumar, Project Manager, GSLV MK-III Project was also arranged during the inauguration. Students were felicitated who bagged prizes in national level contests conducted by IBM and Sun Microsystems.

AWARDS & DISTINCTIONS

Dr Suresh Kumar Aggarwal (F-015676L) has been conferred with Doctor of Philosophy (PhD) in Social Sciences on his thesis "Marketing Strategies for Indian IT Industry Software Products and Services for Development of exports" by Commerce & Business Studies of Jamia Millia Islamia, New Delhi.

Prof Ajit K Chattopadhyay (F-049338), Prof Emeritus, Electrical Engg Department, Bengal Engg & Science University, Shibpur, Howrah, and Fellow, IEEE, delivered a series of invited 'Distinguished Lectures' under Regional Speaker Program of IEEE in Peru, Chile and Brazil, organized by IEEE-IAS Chapters and Sections and Universities in these countries during 05th -19th March 2008.

Dr Abhijit Mitra (M-191910), received the Union of Radio Science International (URSI) 'Young Scientist Award (2008)'. He is also an Associate Editor of the Journal 'Recent Patents on Electrical Engineering' (Bentham Science, USA) (2008) and his biography has appeared in 'Who's Who in World' (USA) (25th Edition, 2007).

Shri Sudhir Warier (F-0174577), Asst Gen Manager, Reliance Communications Ltd, New Mumbai, has his name listed in the 2007 edition of Who's Who in the World (Marquis Publication). His name has also been short listed for inclusion in the 26th edition of the publication slated for Nov 2008 and 11th edition of the Who's Who in Science and Engineering, scheduled to be published in Dec 2008.

Truth is so obscure in today's time and falsehood so established that unless we love the truth, we can never know it.

- Blaise Pascal

Many people say that it is the Intellect which makes a great scientist. They are wrong : it is character.

- Albert Einstein

CALENDAR OF EVENTS

Subject	Date	Venue	Contact
☛ Seminar on "Constraints in Spectrum Management Cellular Communication"	11 July 2008	Kathmandu	Shri S K Arora Asstt. Secretary, M&PR The Institution of Electronics and Telecommunication Engineers, HQ 2, Institutional Area, Lodi Road, New Delhi New Delhi- 110003 Ph: +91 (11) 43538800-99 Fax: +91 (11) 24649429 E-mail: ietend@gmail.com Website: http://www.iete.org ; www.iete.info
☛ IGNOU-IETE Joint Seminar on "Distance Education in Bharat Nirman"	18 July 2008	Delton Hall New Delhi	The Institution of Electronics and Telecommunication Engineers, HQ 2, Institutional Area, Lodi Road, New Delhi New Delhi- 110003 Ph: +91 (11) 43538800-99 Fax: +91 (11) 24649429 E-mail: ietend@gmail.com Website: http://www.iete.org ; www.iete.info
☛ 4 th ELCOMP India -2008, International Exhibition & Conference	10-12 Sept 2008	New Delhi	Shri Rajoo Goel, Secretary General, ELCINA Electronic Industries Association of India, ELCINA House 422, Okhla Industrial Estates, Phase-III, New Delhi-110020 Ph: +91 11 41615985, 26928053, 26924597 E-mail: elcins@vsnl.com Website: www.elcina.com
☛ International Conference on "Recent Advances in Microwave Theory and Applications"	21-24 Nov 2008	Jaipur	Shri Deepak Bhatnagar Hony Secretary, IETE Jaipur centre and Convener, Microwave-08 Room No.15, Vigyan Bhawan, Dept of Physics, University of Rajasthan, Jaipur-302 004 Ph: 0141-2708017 (O) +919828088002 (M) E-mail : microwave06@rediffmail.com Bhatnagar.Deepak@yahoo.co.in Website : www.uniraj.ernet.in/~microwave

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