

सह वीर्यं करवावहै

IETE NEWSLETTER

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FROM PRESIDENT'S DESK

It is a matter of pride that from a "no-entity, no-entry" position on the Web that was our refrain six months back, the IETE now has an impressive on-line standing. Our institution is a sinecure of the search engines; the popular ones in particular. Of significance is the pleasant revelation that sites of the centres hog as much publicity as the HQ, viz. www.iete.org and www.iete.info. In fact of the two most popular ones listed by "Ask Jeeves" the Nashik centre is at the top, whereas "org" domain of HQ IETE is the second.

IETE draws 4086 entries with Google and even if only ten or fifteen percent are relevant to us, we have much to preen about. A perusal of the entries shows Apex Forum papers, seminars, addresses, IETE awards and press reports lend us the right kind of publicity. Even the recently released e-Monograph is listed with Google. Other search engines have started taking notice of us. Mercifully we have no share of any adverse tint.

Those who have arrived will bear me out that Web is the best index of public notice of mission, agenda and achievements be it that of a business or an institution. More of IEEE including *Spectrum* and *News and Analyses* is on-line and available for a click of the mouse. It is the age of clicks; the rule is more the mark, more the merit. Whereas the print advertisement and news clips are ephemeral, on-line is forever. Unlike the craze of the "Gold Rush" the "Knowledge Rush" will abide. The Indian digerati and believe it or not, the student community treats Web with as much of respect and indulgence as counterparts elsewhere. Within a year the number of Web surfers has quadrupled and if the trend continues we will have plenty more to boast.

It is a travesty of truth that students are impressed with real estate. Sun Micro Systems is an example of moving with the times. The management have shed "brick and mortar" and Mall, instead opted for virtual offices. Even the terrorists have seen merit in the Web to propagate their brand of "jihad." The Web lends us recognition not because of gloss, or shine but because of quality and values. That reminds me of a story told by King Edwards. "A lecturer in a theological college informed his class that subject of his next lecture would be the sin of deceit and that, by way of preparation, he wished them all to read the 17th chapter of St Mark' Gospel. When the time came he asked how many members of his class had complied with his instructions. Everyone of them raised a hand. 'Thank you,' said the lecturer. 'It is to people like you that today's lecture is especially addressed. There is no 17th Chapter of Mark!'"

Let the pretenders who never tire singing praises of e-commerce, e-governance, e-services *et al* take a lesson from the above story and beware. The Web is a treasure trove, the manifestation of the Unmanifested, the reality of the Virtual and virtuality of the Real. For the worldly-wise, it is the best recognition of qualifications. Any expenditure incurred on expanding our Web presence, taking publications on line and providing on-line guidance to our student community will be well spent. Let thousand flowers bloom and the IETE centres inundate the Web with knowledge and let the students and seekers of knowledge click it merrily. I call upon all members, particularly the students to surf IETE sites and see for themselves what our intrinsic worth is in the comity of the digerati.

Maj Gen Yashwant Deva, AVSM

NEWS FROM HEADQUARTERS

Report on 34th World Telecommunication Day

Like earlier years, this year too the World Telecommunication Day was celebrated with traditional solemnity and sparkling of knowledge. The theme was "Information and Communication Technology (ICT) for all: empowering people to cross the Digital Divide." Mr Yoshio Utsumi, Secretary General of the ITU, in his message bemoaned the wide variation in availability, use and deployment of ICT between rural and urban areas, income level of people, education, age and the gender. He enjoined the governments, industry and civil society that opportunities be given to all those who have been unable to participate fully in a knowledge-based digital economy. A colloquium of the IETE think tank was the highlight at Delhi. Shri Rajeeva Ratna Shah, Secretary, MICT presided over the function. Shri N Vittal, Central Vigilance Commissioner, was the Chief Guest and the lead speaker. Other speakers included Prof Natarajan, Chairman AICTE, Maj Gen Yashwant Deva, AVSM (Retd), President IETE, Dr S Ahmad, Director CEERI, Pilani, and Prof K K Aggarwal, Vice Chancellor, SGGS, IP University, New Delhi and the President Elect IETE. Maj Gen Vinod Krishna, AVSM (Retd), Chairman Technical Programmes Committee welcomed the guests.

Shri Vittal suggested replacement of the word digital divide by digital bridge, "as this way it was likely that we may start using digital technology to bridge the gap between the less developing or late developing countries catching up with developed countries using technology as a lever." He laid emphasis on identifying and locating committed people with vision, and application of IT for better governance to speed up process of decision making, elimination of corruption and bringing greater economic development. He cited the singular success stories of Bhoomi Project in Karnataka, Gyandoot Scheme in Dhar District of MP, "White Revolution" making India largest producer of milk in the world, "Green Revolution" helping India to become self-sufficient in food grains and Online Railway Reservation system. He said that use of digital technology with imaginative ideas and commitment would put into place policies that would break down the gender and geographic barriers in ICT access. A strategy combining the success stories replication, nation wide, using the directive power of appropriate authorities can provide a sound basis for bridging the digital divide in India.

Prof R Natarajan speaking on the nature and scope of digital divide laid stress on conversion of digital divide into digital opportunities. He presented statistics on the state and extent of the prevailing divides. Elaborating on merits of social networking, and IT tools for the benefit of the society, Prof Natarajan said a three-pronged approach, viz. awareness, accessibility and affordability is essential for creating digital opportunities. With a scholarly treatment of the theme, he opined that education, acquisition of skills, both hard and soft, and building social network are the key areas to success; and that accessibility to technology, availability of infrastructure and ability to utilize the infrastructure and technology are the pre-requisites to bridge the digital divide. Prof Natarajan concluded his talk emphasizing that we should demand action rather than listen only to the promises.

Maj Gen Yashwant Deva, in his paper "Digital Expectation and Promise for the Deprived," said, "Technology particularly so in India, is often looked upon as a threat to our jobs, security and values, rather a blessing or a boon. So the hype largely generated by the computer-illiterate ruling elite about inadequacies of automata and ICT to solve any sociopolitical or socioeconomic problem, prevails." Talking about divides, he said, "It is tragedy that we continue to create divides while we never tire of swearing that ICT is designed to bridge them," and whereas there is no dearth of "competence and capacity," "will and volition" are lacking. Though we have abundance of technological expertise, but there are no techno-savvy social workers or socio *Digerati*- the digital elite conscious of their social obligations. He commended NORAD scheme for training urban women from backward and economically weaker section of the society and expressed the hope that State Governments, international agencies, industries and organizations would come forward to help IETE in expanding its scope to rural areas. He suggested a C-8 thrust to bridge the digital divide viz. CONNECTIVITY provision, CONTENT creation, CAPACITY augmentation, CORE technologies, COST reduction, COMPETENCE building, COMMUNITY participation and COMMITMENT to the deprived and the disadvantaged.

Dr Shamim Ahmad, Director CEERI, Pilani gave a run down on the capabilities and promises that ICT has in store. He said that for effective diffusion of technology, participation of Government and society is a must. He emphasized on the access, knowledge and content for bridging the digital divide and opined that we replace

the terms "haves" and "have-nots" with "have now" and "have later." He said that the Government has to take positive steps to create infrastructure for providing universal access, detailing the growth areas as broadband access, wide use of wireless and satellite communications, thrust on content creation and fillip to research in the emerging field of nanotechnology.

Prof K K Aggarwal, spoke on the use of ICT for development of rural India where majority of the population lives. He said that the connectivity through the Internet and rail/road communications could bring about a sea change to the developmental effort in the rural and the inaccessible areas. He presented a highly commendable model for providing facilities to a group of villages, made accessible and arranged in a ring configuration. He emphasized the need for integrated development of knowledge society through mind, body and spirit and detailed three key drivers as societal transformation, wealth generation and protection of knowledge.

The Chairman, Shri Rajeeva Ratna Shah, in his address highlighted the salient points of earlier speakers' wisely identifying digital destiny and digital opportunity as thrust areas. He described ICT as a carrier that unites rather than divides. He briefed the audience on the Government initiatives, viz. setting-up Media Lab Asia; Community Information Centres (CICs) for North East region, *Gyan vahini* and *Vidya vahini* projects. Whereas CICs aim at connectivity to schools, post offices and community centres in 487 blocks for using Internet and viewing sports and entertainment programmes, the *Vahinis* would take ICT to University and school campuses. The fourth initiative is tele-medicine programme in the realm of health. Under this scheme Kohima in Nagaland has been connected with Apollo Hospital and five different models under this scheme are under consideration. He said that medical referral system, legal referral system and knowledge based areas hold the opportunity for tomorrow, further stated that bio-informatics and nano-informatics have immense potential for development.

On this occasion an e-monograph containing papers presented on the last year's theme "The Internet: Challenges, Opportunities and Prospects," edited by Maj Gen Yashwant Deva, was released by the Chief Guest, Shri N Vittal. Vote of thanks was proposed by Maj Gen K B Jhaldiyal, AVSM (Retd), Secretary General IETE.



Release of IETE e-monograph by the Chief Guest Shri N Vittal during World Telecommunication Day, 2002

NEWS FROM LOCAL CENTRES

Allahabad

Allahabad centre organized the 4th S N Ghosh Award Lecture on June 19, 2002. The Award for the year 2001-2002 was conferred on Prof S K Joshi, Ex Director General, CSIR New Delhi who also delivered the lecture on "Glimpses of Nanoscience and Nanotechnology" during the occasion. He explained the essence of nanoscience by dwelling on nanostructures. He said, "Nanoscience is an excellent combination of scientific challenge and practical applications." The electronic, transport, optical and magnetic properties of nanomaterials are significantly different from the same materials in bulk form.

Bangalore

National Technology Day lecture and Valedictory function of Summer School in Electronics (SUSIE-2002) was held on May 12, 2002. Prof S V Subramanyam, Dean of the Science faculty, IISc Bangalore delivered the lecture and distributed certificates and prizes for the meritorious students of Summer school.

- World Telecommunication Day and Prof S V C Aiya Memorial lecture were organized on May 17, 2002. Dr K Soundararajan, Chairman IETE Bangalore centre delivered the welcome address. Chief Guest Prof S Sadagopan, Director IIIT Bangalore, inaugurated the function and delivered a lecture. Shri Vijayaraghavan, Chief Technology Officer, Bharati Mobile Ltd., spoke on the theme "ICT for all: empowering people to cross the Digital Divide". Brig G R Mahadevan (Retd) proposed vote of thanks.

- A function to felicitate Prof R P Shenoy, DFIETE, was organised on May 27, 2002. Prof B S Sonde, Past President IETE and former Vice Chancellor, Goa University felicitated Padmashree Dr R P Shenoy on being conferred the Defence Research Development Organisation (DRDO) Life Time Achievement Award by the Prime Minister of India.

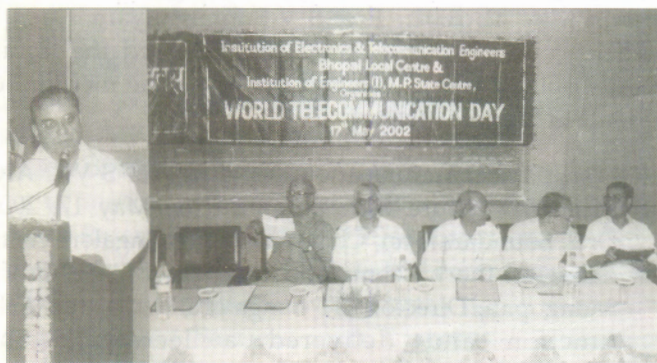
Valedictory function of "IETE Entry level Programmer Course for Women" under NORAD 2000-01 scheme was also held. Prof B S Sonde distributed the certificates and prizes to the meritorious students.



Prof R P Shenoy, DFIETE, Distinguished Scientist DRDO being felicitated by Prof B S Sonde on being awarded Life Time Achievement Award of DRDO by the Prime Minister of India

Bhopal

To commemorate the 34th World Telecommunication Day, Prof T K Bandopadhyaya, Chairman, IETE Bhopal Centre delivered the theme lecture on May 17, 2002. Dr S C Soni, Principal & Secretary, MACT presided over the function. Other speakers were Wg Cdr A K Bhatnagar, Shri J P Burnwal, Chairman IE (I), M P State Centre, Shri



Seen on the dais from L→R: Dr T K Bandopadhyaya Chairman IETE Bhopal Centre, Dr S C Soni, Principal MACT Bhopal, Shri J P Burnwal, Chairman IE (I) MP State Centre, Shri P P Khare, CGM (Retd.) BSNL and Dr N D Mittal, Hony. Secretary IE (I) MP State Centre Bhopal

P P Khare, Retd CGM, MP Circle and Shri V K Verma (Retd), DE (Telephones). Dr N D Mittal proposed the vote of thanks.

Chennai

The 34th World Telecommunication Day at IETE Chennai Centre was celebrated jointly by the local centres of the IETE, IEEE, IE (India), IEE, Broadcasting Engineering Society (India) and the VSNL. Shri Vivek Harinarain, Secretary, Information Technology Department Government of Tamil Nadu presided. In his address he said that inadequate infrastructure, education, income, language, gender and cost were some of the factors that hampered growth of the Information and Communication Technology (ICT) in Tamil Nadu. He gave glimpses of Tamil Nadu Government's plan for providing internet connectivity. Technical papers were also presented by Shri N Siva Samban, Shri K Sriram, Shri N Parameswaran, Shri S Rajagopal, Dr J G Kannapan and Shri J Santhana Krishnan.

Gwalior

IETE Gwalior centre and CSI Gwalior in collaboration with Jiwaji University, Gwalior organised a national seminar on Recent Trends in Communication Technology on April 13-14 2002. The seminar was inaugurated by Padmashree Prof S K Joshi, Former Director General CSIR New Delhi. Prof D P Agarwal Director IIITM, Gwalior was special guest in the seminar. Prof G P Srivastava former Head of Electronics, Delhi University, delivered the keynote address on "The Progress and Development in the Microwave Area.." Dr D C Tiwari, Prof and Head School of Studies in Physics was the Convenor and Er Nitin Manglik was the Co-Convenor of the Seminar. Shri Nitin Manglik presented vote of thanks.

Goa

IETE-Goa Centre, BSNL and College of Engineering, Goa celebrated the World Telecommunication Day on the 17th May 2002. The activities were marked by poster presentation, essay reading and invited lectures by Col V K Anand, Shri Ravi Bhargava and Major Harish. Shri Ravi Bhargava informed the audience that the College of Engineering, Goa was one of the partners in launching mobile service in Goa, where the students would be provided with the State-of-the-Art Technology. The awards for competition were presented to the participants. Dr R B Lohani, Hony Secretary IETE, Goa Sub-Centre presented vote of thanks.

Hyderabad

An 8-day short-term course on "Microcontrollers and Embedded Systems" was inaugurated by Prof CVS Rao, former Chairman, IETE Hyderabad Centre on May 11, 2002. About 30 participants attended the course.

The IETE Hyderabad Centre co-sponsored a seminar conducted by Information Technology Dept., Govt. of Andhra Pradesh along with Centre for Telecom Management and Studies (CTMS) and Institution of Engineers (India) on "ICT for all: empowering people to cross the digital divide" on May 17, 2002. Dr A R Lakshmanan, Chief Justice of the High Court of Andhra Pradesh was the Chief Guest.

Valedictory function of 8 day short Term Course on "Microcontrollers and Embedded Systems" was held on June 9, 2002. Dr M S Bhat, Professor & Head, Centre for Management Studies, JNTU, Hyderabad was the Chief Guest.

A technical talk on "Photonic Switching" by Dr Chandrasekhar Pusarla, Calient Networks, California, USA, was organised by the IETE Hyderabad Centre on June 28, 2002. Shri V Premsagar Rao, Chairman, IETE Hyderabad Centre presided over the function. •

Jammu

A seminar was organized on 34th World Telecommunication Day at Government College of Engineering and Technology, Jammu on May 17, 2002. Shri P C Chhabra, Chief General Manager, Telecom, VSNL Jammu was the Chief Guest on the occasion. In his address he gave the plans of his department to bridge the gap between the urban and the rural masses. Shri R K Upadhyay and Shri Joy Ganjoo, delivered lectures on the theme topic. Col B K Sharma, Vice Chairman IETE Jammu Centre in his address read out the message of the Secretary General ITU.

Kanpur

The World Telecommunication Day celebration was jointly organized by Kanpur Centres of both IETE and IE (India) on May 17, 2002. The programme was presided over by Prof P K Chatterjee, Chairman, IETE Kanpur Centre. Shri A K Chopra, General Manager, CORE and CMD Rail-Tel was the Chief Guest of the function. He spoke on "Information and Technology in the Indian

Railways," informing the audience about new innovations being tried by the Indian Railways.

Prof S G Dhande, Director, IIT Kanpur in his keynote address informed about various projects being under taken at IIT, Kanpur and other institutions in India to make ICT available to all citizens. Prof C B Gupta, Chairman, Institution of Engineers (India) Kanpur Centre delivered the vote of thanks.



A view of the dais at World Telecommunication Day celebrations at IETE Kanpur Centre

Kolkata

The World Telecommunication Day was celebrated by Kolkata Centre with befitting zeal. Shri R N Palai, Dy Gen Manager (Data Network), BSNL, Calcutta Telephones and Shri P D Gupta, Chief General Manager, Videsh Sanchar Nigam Ltd. (ER), Kolkata delivered talks on the occasion. Shri Palai started from concepts of development of technology, defined digital age and then explained the different aspects of Information and Communication Technology, its evolution and revolution. He brought out the sources of digital division in global society and pointed out some aspects, which may overcome this division. Shri P D Gupta gave a lucid picture of the global digital division. He mentioned the positives and negatives of ICT in India. He also enlightened with the role of VSNL in reducing the digital divide in India. He assured the audience that VSNL would strengthen their effort for this noble cause.

Lucknow

The function of World Telecommunication Day was jointly organised by BSNL, IETE Lucknow Centre and IE (I) U P State Centre. It was inaugurated by the Chief Guest Shri G K Wadha Director General, RDSO Lucknow.

Shri N C Mittal Chairman, Lucknow Centre, IE (I) talked about institutional activities and achievements. Shri S P Kalsi, Chairman IETE Lucknow Centre read out the message of Secretary General ITU. The key speakers were Shri C B L Srivastava and Shri Sidharth Mishra. Shri R N Bhargava, Hony Secretary IE (I) presented vote of thanks.

Nagpur

Celebrations of World Telecommunication Day at IETE Nagpur centre were accomplished with the joint efforts of local chapters of IE and IETE. Dr M U Deshpande, Principal VRCE and Chairman IETE Nagpur Centre presided over the function. Station Director of Doordarshan Nagpur, M S Thomas was felicitated on the occasion for his exemplary work in furthering the technology in the field of telecommunications. The keynote address was delivered by Prof P K Rangole, Assistant Director of CSIR. He spoke on the technologies like convergence of mediums, Internet over Cable and interactive TV.

Patna

IETE Patna Centre and IE (India) Bihar State Centre jointly celebrated 34th World Telecommunication Day. Shri Bhagirath Prasad was the Chief Guest. Er Rustam Ali presided over the function and presented a paper on Role of Technology in Human Development in 21st Century. The keynote address was delivered by Dr B B Prasad. Shri Arun Kumar Sinha proposed vote of thanks. The function was given wide coverage by the media.

Pune

IETE Pune Centre celebrated World Telecom day 2002 jointly with Institution of Engineers (I) Pune Local Centre on May 17, 2002. Prof Pramod Kale, Former Director ISRO delivered a lecture on "ICT for all: empowering people to cross the Digital Divide". Dr V G Bhide former Vice Chancellor, Pune University spoke on "Practical application of the ICT in villages of Maharashtra State". Shri R K Arora, Director C-DAC Pune was the Chief Guest on the occasion. The event was widely covered in local Marathi newspapers.

Vadodara

A symposium was organised on the theme given by ITU, on the occasion of World Telecommunication Day on May 17, 2002. Shri Ashok Kumar Bhandari was the Chief Guest on the occasion. Prof Mayank Dholakia, Shri

Neeraj Verma, Shri Sanjeev Ghanate and Dr Madhu Mehta gave interesting presentations. Shri Naresh Kumar Sr Scientific Officer BARC and Hony Secretary IETE Vadodara Sub-centre gave vote of thanks.

Vijayawada

Lectures were arranged to celebrate the 34th World Telecom Day. Dr S Hariharan, Vice President, Networks, Tata Teleservices, Hyderabad and Dr Rama Krishna, Chairman, IETE Vijayawada Centre delivered the lectures.

Valedictory function of the NORAD program (2000-01) was organized on June 11, 2002. Dr K M Prasad was the Chief Guest and Shri K B Singh presided over the function. The keynote was delivered by Shri D Rama Krishna, FIETE, Chairman, IETE Vijayawada centre. M. M Padmaja, MIETE, Coordinator of the NORAD program proposed the vote of thanks.

Visakhapatnam

The Visakhapatnam local centre of IETE together with ILI Technologies Limited, Bangalore organized the 34th World Telecommunication Day. Shri Sanjay Jaju, Commissioner, Visakhapatnam Municipal Corporation delivered the keynote address. An interesting and informative presentation on Biometrics in Security Systems was given by Shri Kishan Chowbene. Chairman of the centre, Radm S Mohapatra presided over the function.

ISF Activity

IETE Student Forum of Jawaharlal Nehru National College of Engineering, Dept. of Electronics Communication, Shimoga conducted the following activities during May-June 2002

- A workshop on 'Domestic Wiring and Servicing of Home Appliances.'
- A workshop on 'PCB Making.'
- A talk on 'Speech processing and DSP techniques.'
- A talk on 'Recent trends in wireless communication.'
- A talk on 'VLSI Design and VHDL.'

Annual function of ISF was held on May 18, 2002. Technical Paper presentation and Technical Quiz competitions were held in connection with the annual day function. Winners were commended.

APPOINTMENT

Dr R S Khandpur, FIETE, Former Director General, CEDTI (Centre for Electronics Design and Technology of India), New Delhi has taken over as Director General, Pushpa Gujral Science City, Kapurthala w.e.f. May 23, 2002. The Science City is a joint project of the Govt. of India and Punjab Govt.



IETEAN QUALIFIES AS HAM

Shri Tanmoy Deb, FIETE has qualified as HAM (Radio Amateur) with Grade-I (Call Sign VU2TDV). To spread the awareness of Amateur Radio, he has requested that members may write to him for any information.



NOTICE

IETE has been sanctioned a project by MC & IT for content creation in Hindi under the "COILNet" project for development of IT-based material in Hindi. It is proposed to publish a quarterly journal 'IETE SANGYANIKI' which will contain technical articles, quiz, news items and other miscellaneous materials in the field of IT, electronics and telecommunication in Hindi.

All members including students, who have a flair for writing are invited to contribute in the quarterly journal. Popular technical words need not be translated in Hindi. These can be written in Devnagari script (e.g. Oscillator can be written as ऑसिलेटर). The articles could be original, translated or transcreated. The articles should be written in popular style.

Suitable honorarium is proposed for the published material.

IETE Corporate Members are requested to kindly send to the Secretary General their e-mail Address, Fax number and telephone number for the IETE Corporate directory, which is under compilation.

OBITUARY

With profound grief, we inform the sad demise of the following illustrious members of the Institution.

Prof J H Mehta, (F-084598L) passed away on 04.05.2002. He was honorary secretary of IETE Vadodara Sub-Centre during the year 1998-99. He was very actively involved in the activities of IETE at Vadodara and contributed a lot for Vadodara center's betterment. All members of IETE fraternity deeply mourn his sudden and untimely demise.

Dr P K Patwardhan, (DF 022853L) Distinguished Fellow of IETE, Fellow IEEE, passed away suddenly on 11th July 2002. He was actively involved in the activities of IETE for a long time. He was our Council member during 1981-84, 1985-87, Vice-President during 1987-89, 1993-95 & 1995-96. All members of IETE fraternity deeply mourn his sudden and untimely demise.

CALENDAR OF EVENTS

Subject	Date	Venue	Contact
<ul style="list-style-type: none"> 45th IETE Annual Technical Convention on Nano-technology 	30-01 Sept Oct 2002	Chandigarh	Dr Lalit M Bharadwaj Convenor, ATC-2002 Central Scientific Instruments Organisation Sec 30-C, Chandigarh-160 030 Tel: (0172) 657811 Extn- 452 (0172) 657190 (o) Fax: (0172) 657267, 657082 E-mail: lalitmbharadwaj@hotmail.com Maj Gen K B Jhaldiyal, AVSM (Retd) Secretary General, IETE, 2 Institutional Area, Lodi Road, New Delhi 110 003 Tel : +91 (011) 4631810; Telefax : +91 (011) 4649429/4631810; e-mail : ietend@iasdl01.vsnl.net.in; website: http://www.iete.org http://www.iete.info
<ul style="list-style-type: none"> Billing & CRM India 2002 International Conference 	11 Oct 2002	Hyatt Regency New Delhi	Shri Shashi Dharan/ Shri Rohit Dogra or Ms Priya Ramachandran, Convergence Plus A 17 (2 nd Floor) DDA Office-Cum-Shopping Complex Near Mool Chand Flyover, Defence Colony, New Delhi 110 024, India Tel: +91 11 463 8680-84 Fax: + 91 11 462 3320, 463 3506 E-mail: exhibitionsindia@vsnl.com Web Site: www.exhibitionsindia.org
<ul style="list-style-type: none"> 5th National Conference on Construction The Way Ahead 	11-12 Nov 2002	Vigyan Bhawan New Delhi	Shri P R Swarup Director General, CIDC Tel: 91-11-6433709, 6489992 Fax: 91-11-6451604/6234770 E-mail: cidc@vsnl.com Web Site: http://cidcindia.net
<ul style="list-style-type: none"> National Seminar & Exhibition on Role of IT- in the present scenario of Globalization (RIT-2002) 	22-23 Nov 2002	Dhanbad	Dr R J Jaiswal Dy. Dir, CMRI & Organising Secretary National Seminar & Exhibition Role of IT- in the present scenario of Globalization Central Mining Research Institute, Barwa Road, Dhanbad- 826001
<ul style="list-style-type: none"> 6th Regional ITU Telecom Event for Asia-Pacific Region- ASIA 2002 	2-7 Dec 2002	Hong Kong	TELECOM Press Service Tel: +41 22 730 6047 Fax: +41 22 730 5939 E-mail: telecom.press@itu.int Web site: www.itu.int/itutelecom
<ul style="list-style-type: none"> National Symposium on Antennas and Propagation- APSYM 2002 	9-11 Dec 2002	Kochi	Department of Electronics Cochin University of Science & Technology Kochi- 682 022 Tel: 91-0484-576418 Fax: 91-0484-575800 E-mail: apsym@doe.cusat.edu , apsym@cusat.ac.in URL: www.doe.cusat.edu/apsym