

सह वीर्य करवावहै

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

FROM PRESIDENT'S DESK

Dear Colleagues,



This is the time of the year to exchange greetings for the festive season and good wishes for the New Year. This is also the time for all of us in the IETE fraternity to take stock of our performance in the year gone by and our resolutions for the New Year to make IETE achieve its objectives and mission in that to be reckoned as a highly professional body in the knowledge-growth and societal missions for the underprivileged and physically challenged. The year 2005 had been satisfying in terms of IETE's interaction with academia and industries, organising timely and relevant technical activities for professionals, achievements of our 52 centres & sub-centres established throughout India and abroad and fruitful continuous interaction with our student community. We had a spectacular 48th IETE Annual Technical Convention and hosted the first ever International Conference and exhibition around the theme: "ICT-The Road Ahead". All of you worked very hard for the achievements and deserve my heartfelt congratulations.

In our key results areas for this year I would like you all to focus on the issues concerning *e-education, disaster management systems and cyber security* in addition to our other technical activities.

The advancements in technology are to be used to provide much needed e-learning support to the students who are unable to get admission in the regular institutions due to various reasons. IETE e-learning has always been on my priority list. Efforts have been made to create contents for each subject in IETE syllabi and are in the process of acquiring the infrastructure for its delivery. This requirement assumes the highest priority as e-learning is necessary for taking quality education to the rural and remote areas where majority of our population live. The real economic development, progress and growth of our nation is dependent on educating our masses.

In recent times we have experienced worst disasters due to natural calamities like Tsunami, earthquakes, cyclones, floods, landslides and wildfires. These natural calamities are difficult to predict and forecast. However, what we can do is to have disaster management systems in place to take effective mitigation and alleviation measures to minimize loss of life and property in the event of calamities striking. Here the technology can equip in developing detection systems for early warning and also in devising failsafe infrastructure and communications in vulnerable and disaster prone areas. More important is the need to have an effective disaster management system for proactive planning for forewarning and activating relief measures to minimize the impact of these calamities. IETE can further our lead role in organising additional seminar/ conference on this subject.

ICT is affecting all aspects of human life if not controlling it! Over dependence on IT networks has also led to ever-increasing cyber attacks by means of viruses and worms thereby paralysing the network operations adversely affecting not only normal operations but also commercial and economic activities. Also, personal information leakage and theft incidents of organizational database are on the increase. This is a very serious threat to our golden goose of BPO industry. Cyber security is of paramount importance. We need to pool our knowledge resources to devise effective counter measures against evolving cyber threat. I would like to invite your suggestions through e-mail at ietend@bol.net.in

Lt Gen D P Sehgal

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IETE NEWSLETTER



8th Prof S N Ghosh Lecture Award being given to Shri K M Paul, E-in-C, AIR by Prof R G Harshe, Vice Chancellor, Allahabad University. Looking on is Prof K K Bhutani, former council member.



Prof C Murali, Chairman, IETE Bangalore Centre delivering the talk during one day workshop on "Wireless Networks & Network Security" on Sept 22, 2005.



His Excellency, Dr A R Kidwai, Hon'ble Governor of Haryana inaugurating the seminar-cum-exhibition hall at Chandigarh, while Lt Gen D P Sehgal, President IETE; Dr R P Bajpai, V C, Guru Jambheshwar University, Hissar; Col J S Kandha (Retd), Vice Chairman IETE Chandigarh centre and Prof P Prabhakar, Wg Cdr (Retd), Chairman, IETE Chandigarh Centre look on.



L R : Shri Modhusudon Singh, Dir, Science & Technology Dept, Manipur; Shri H Kulachandra Singh, Chairman, IETE Imphal Centre; Shri N Mangi Singh, Hon'ble Minister, Commerce & Industries, Manipur and Shri Rachandra Singh, Director, Police Wireless Manipur at the prize distribution ceremony of essay competition.



One day workshop on Neuro-Linguistic Programming (NLP) at IETE Kanpur Centre. L R : Shri S S Tripathi, Shri S K Gupta, Shri R K Dhingra, Shri B K Karmakar and Shri Saurabh Mishra.



A view of the audience at Sun Technology Seminar held at IETE Mhow sub-centre.

NEWS FROM HQ

New IETE Council Members



Dr V P Kulkarni (F-044308L): Dr V P Kulkarni has been inducted to the IETE council for the year 2005-2006 in the casual vacancy arising due to sad and

untimely demise of Dr N M Parthasarathy. He is MTech from IIT, Kharagpur and PhD (Tech) from erstwhile Leningrad University, USSR. His four decades of professional contribution includes 25 years in Vikram Sarabhai Space Centre, Trivandrum; 6 years in ER&DC of DOE, Govt of India; 2 years as UGC Visiting Professor at Kerala University and 4 years as CEO of IT Company. He is an active member of IEEE. He was on IETE Council for two terms and was Vice President during 1999-2000. He took active part in conceptualising and initiating work on his dream project of e-education with virtual classrooms at IETE Centres to be connected through ISRO's EduSat.

Nominated Members of Council 2005-06



Dr N Vijayaditya (F127871) presently Director General at NIC, MC&IT, New Delhi, has obtained his Master degree in Computer Science

and a PhD in Information Systems from University of North Carolina, Chapel Hill, USA. His research work is in the area of Pattern Recognition, Graph Theory, Information Systems and Networks. He has also guided many students in PhD and master's programme.

He is Chairman/ Member of several Technical Advisory Groups constituted by Govt of India; Advisory Committees

of many academic and research Institutions and Executive Committee of Centre for Railway Information Systems (CRIS), Ministry of Railways, New Delhi. He was also a senior member to a number of Indo-foreign delegations.

The major projects handled are: Computerisation of 1982 Asian Games; Satellite based data Communication Network, NICNET of NIC; Telematics Development & Promotion Programme; Integrated Network Operations Centre (iNOC) at Delhi; Data Centre (Internet Data Centre) with cluster servers and SAN (Storage Area Network) to provide anywhere and anytime (24x7) data service and Disaster Recovery Centre at Hyderabad. Dr N Vijayaditya received **"2001 VASVIK Award"** in recognition of his contribution in the area of Information & Communication Technology from Vividhlaxi Audyogik Samshodhan Vikas Kendra, Mumbai. He also received **Skoch Challenger- 2005 Award for "ICT Man of the year"**.



Shri K M Paul (F158590) : Shri Paul did his Master in Electronics and Telecommunication Engineering in 1969 from Jadavpur University, Kolkata.

He joined All India Radio in 1971. In course of his service, he worked in High Power broadcast-station, in the project and installation and the broadcast planning and development wings at the AIR Directorate. A considerable part of his service period was spent in the Research Department of AIR, undertaking various broadcast R&D projects.

His contribution in the **Modernisation of Radio Broadcasting** and Expansion of FM Radio in India is a landmark. He set up the **New Broadcasting House (NBH)** in New Delhi, a fully digital

broadcast studio complex with paperless New-Room system having complete automation. Shri Paul made exceptional efforts to bring **12 channel DTH-Radio service** on Prasar Bharati DTH-platform in a record time. His revolutionary concept of **Narrow-Casting** by FM Low Power Transmitters (**FM-LPT**) in hilly, remote and border areas has already started taking shape. He has been contributing to the **ITU Study Group 6 (SG-6)** for Radio & Television broadcasting for the last two terms as the **Vice-Chairman of SG-6, ITU**. Presently Shri Paul is the **Engineer-in-Chief** of All India Radio and also the **Chairman of LTD-20 of Bureau of Indian Standard**, responsible for making national standards in the field of Radio Communications.



Dr Laxman Prasad (F097817): He is a graduate in Electrical Engineering with specialization in Radio & Microwave Communication and a PhD in Electronics

Engineering from BHU. Dr Prasad started his career as Asstt Station Engineer at All India Radio, Calcutta and later on joined the Department of Science and Technology as Sr Scientific Officer Grade-I (Electrical/Electronics) in 1979. Since then, he has served the Department in various capacities - Principal Scientific Officer (1982 - 87); Director (1987-92); Joint Adviser (1992-1997) and currently Adviser since 1997 and heading the divisions dealing with matters concerning Drugs and Pharma Research, S&T Councils in various States; Technology Transfer; National Science and Technology Management Information Systems (NSTMIS), Instrumentation and Technology Systems. He has the distinction of chairing many committees and

representing the Deptt on the Governing Boards of various institutions.

Dr Prasad has represented the Government at various national and international meetings/delegations organized by UNESCO, OECD, SAARC, UNCTAD, and ESCAP in various parts of the world. He was associated with Queen Elizabeth House, University of Oxford, UK as Fellow during 1993-94. He has specialized knowledge in the field of Technology Transfer. Currently he is heading the division of Technology Transfer in the Deptt of S&T in Govt of India.

Dr Prasad also holds the Degree of Bachelor of Law of Delhi University with specialization in Patents and International Trade. He has written and lectured extensively in the field of Microwave Engineering, Intellectual Property Rights and fiscal incentives for promotion of R & D.

Dr Prasad is also a Fellow of the Academy of Social Sciences (India). He is recipient of FIE Foundation National Award (1996) for promotion of Science and Technology in the country.

New IETE Organisational Members

The following organisations/institutions have been enrolled as members during Oct -Dec 2005

1. National Technical Research Organisation, New Delhi
2. Asia Pacific Institute of Information Technology, Panipat
3. KMR Institute of Engineering & Technology, Hyderabad
4. AMS College of Engineering, Chennai
5. VEL Tech Group of Educational Institution, Chennai
6. Regency Institute of Technology, Yanam

NEWS FROM LOCAL CENTRES

Allahabad

The Centre organized Prof S N Ghosh Award lecture on Oct 22, 2005. The 8th S N Ghosh Lecture Award for 2005-06 was given to Shri K M Paul by Prof R G Harshe, Vice Chancellor, Allahabad University. Prof S G Prakash, Chairman, IETE Allahabad Centre, made welcome address. Shri K M Paul, Engineer-in-Chief, AIR, delivered his talk on "Future Trends of Radio Broadcasting". In his talk he compared the radio broadcasting systems of the various countries. According to him, broadcasting is the most powerful mass-communication system. In developing countries, broadcasting is a very important source of information, entertainment and education especially in rural areas. In India, the importance of broadcasting, particularly the radio broadcasting, is tremendous. The mobility of radio receiver clubbed with its low cost and independence from normal power supply makes it an important communication system with the rest of the world, more so for the rural masses. Broadcast Emission Systems in Medium Wave, Short Wave and FM are fast migrating to digital domain with multimedia format. The interactivity feature which was absent in the earlier classical broadcasting is also becoming an integral part of digital broadcasting. He detailed various digital audio-broadcasting systems evolving around the world with their salient features and techniques involved and also covered the futuristic technology trends in radio broadcasting and their potential merits. About 150 members, students and guests were present on the occasion. Vote of thanks was proposed by Shri P N Gupta, Hony Secy, IETE Allahabad Centre.

Bangalore

The following activities were

conducted by the Bangalore Centre:-

Oct 22, 2005: One-day workshop was held on "Wireless Networks and Network Security". Dr Anurag Kumar, Professor and Chairman, ECE Dept, IISc Bangalore, delivered the keynote address on "The Wireless Network-the New Frontier". Sessions covered Wireless LAN, Blue Tooth, Wi-Fi, Wi-Max, WAP, Network Tools and applications.

Oct 29, 2005: A Project seminar on VLSI, VHDL & FPGA Design, Embedded Processor & RTOs was held for the benefit of diploma and degree students.

Under short-term courses, technical lectures were held on Embedded Processor, ARM Architecture, ARM Exceptions & Thumb State, RTOs-Inter Task Communication, Signal & Interrupts, Parallel Port, Timer Programing, Serial Port & Interrupts, System design, software design, software coding, software testing, configuration Management & Case Tools, VLSI: combined circuit and sequential Circuit design, Layout Design demo, IO Block Design, Super Buffer Design and Ring Oscillator design. In addition to all these lectures, the centre also conducted classes for Dec 2005 examination for the AMIETE students on Mathematics, Signals & Systems, C Programming, Numerical Analysis, Analog and Digital Electronics.

Chandigarh

The Seminar-cum-Examination Hall at the Chandigarh Centre of IETE, Sector-30, was inaugurated on Nov 5, 2005 by the Hon'ble Governor of Haryana, His Excellency, Dr A R Kidwai. The other dignitaries who graced the occasion were Lt Gen D P Sehgal,

PVSM, AVSM, VSM (Retd), President, IETE; Dr R P Bajpai, Vice Chancellor, Guru Jambheshwar, University, Hisar and the members of the Executive Committee of the Centre. Prof P Prabhakar, Chairman, Chandigarh Centre, while welcoming the guests gave details of the various activities planned including workshops, symposia on emerging technologies and a tech-fest for students. The seminar hall, he said, would fulfill the long-felt needs of the centre. Dr R P Bajpai enlisted the simultaneous growth of IETE along with that of advancements in various fields of electronics, like from invention of transistor towards today's nano-technology. In his presidential address, Lt Gen Sehgal described diverse activities that IETE was currently engaged in towards knowledge-growth and societal missions like computer usage by the blind.

His Excellency, Dr A R Kidwai in his inaugural address emphasized that the professionals themselves should take-up the developmental task rather than leaving it to the Government alone. The growth and evolution of the mankind in general and the society in particular now depend on electronics and telecommunication. Here the role of IETE assumes greater significance, he added. The efforts of Chandigarh Centre were laudable for taking the benefits of the technological revolution to the masses. Dr C Ghanshyam, Hony Secretary of the Centre, proposed the vote of thanks.

Dehradun

The following lectures were organized by the centre:-

1. 'Networking for Mobile Communication' by Prof H M Gupta, IIT Delhi, on May 18, 2005.
2. 'Emerging Technologies in Modern Communication System and

Nanoscience' by Dr Gautam Mitra, CSIO, Chandigarh, on May 19, 2005.

3. 'Einstein Legacy' by Prof S R Verma, DBS College, Dehradun, on July 15, 2005.

Imphal

The IETE Imphal sub-centre organized a technical paper/ essay competition on Sept 30, 2005. The topics for the competition were: 1) Internet: Advantages & Disadvantages, 2) E-Commerce: Future Prospects in Manipur. The first topic was for the Intermediate level and the second topic was for the College level.

The winners in the two categories were:-

A. Intermediate level

- (1) L Sanayai Singh, Herbert School, Imphal
- (2) Vivek Kumar Singh, DOEACC Centre, Akampat, Imphal
- (3) Vikash Singh, Sika Higher Secondary School, Imphal

B. College Level.

- (1) Ph Herojit Singh, DOEACC Centre, Akampat, Imphal
- (2) Ramchandra Singh, Zakir Hussain College, New Delhi
- (3) Mangangcha Thoudam, Manipur Institute of Technology, Imphal

The prize distribution function of the essay competition was held on Oct 5, 2005. Shri H Kulachandra Singh, Chairman, IETE Imphal Centre, presided over the function. Shri S Mangi Singh, Hon'ble Minister, Commerce Industries,

Govt of Manipur, was the Chief Guest. Shri S Modhusudan Singh, Director, Science & Technology Deptt, Manipur, and Shri Rachandra Singh, Director, Manipur Police Wireless, were the Guests of Honour. Hony Secretary gave the welcome address while Hony Treasurer proposed the vote of thanks.

Kanpur

A one-day workshop on "Neuro-Linguistic Programming (NLP)" was organized on Nov 13, 2005 at IETE Kanpur Centre. In the inaugural session the subject of NLP was introduced. NLP helps persons in shedding negativity, strengthening relationships and thus propelling them to a higher level of creativity and conscious self-awareness. NLP studies the structure of how humans think and experience the world. The structure of something so subjective does not lend itself to precise formulae but to models. From these models, techniques for quick and effective changing behaviours and beliefs that limit people have been developed. The programme was chaired by Shri S K Gupta, CMD-NG Electronics, Kanpur & Immediate Past Chairman, IETE Kanpur Centre. Shri Rajesh Kumar Dhingra, Director, Dr Gaur Hari Singhania Institute of Management & Research, Kanpur, was the Chief Guest for the occasion. Shri B K Karmakar, Sr Vice President LML Ltd & Past Chairman IETE Kanpur Centre delivered the welcome address. Shri Saurabh Misra, Dept of Business and Shri Shiv Shanker Tripathi, Academic Co-ordinator ICFAI National College, Gorakhpur, conducted the workshop.

In the first session of the presentation on NLP, its benefit & theoretical underpinnings of how the benefits could be derived from this technology were highlighted. This was followed by a group discussion in which the techniques of 'trance-induction',

visualisation & the use of senses to detect, transform & reinforce states, values & beliefs and how to redirect focus were practically demonstrated. In the second session, a 'primary submodality elicitation' questionnaire was distributed to the participants, followed by a group-exercise to demonstrate rule-making & remaking techniques to resolve inner conflict followed by a demonstration of the 'swish' technique to practically teach participants how they restructure submodalities to transform past, present & future experiences. The workshop ended by conducting an autobiography writing group exercise, which helped the participants rationalize their actions in a disassociated & objective manner. Shri Ajit Surana, member of the Executive Committee IETE Kanpur Centre, proposed the vote of thanks.

Kolkata

The 11th Sir J C Bose Memorial Lecture on "Scaling Down: Opportunities in Science & Technology" by Prof Kamanio Chattopadhyay, Chairman, Materials Research Centre, Department of Metallurgy, IISc Bangalore, was arranged on December 3, 2005 at VSNL Auditorium, Kolkata Centre to commemorate 147th Birth Anniversary of Sir J C Bose.

Lt Gen D P Sehgal, President IETE, Lt Gen Davinder Kumar, Chairman, TPC, IETE attended the function from IETE Hq. Prof A R Thakur, VC, WB University of Technology graced the occasion as a speaker and spoke on pioneering achievements of Sir J C Bose in the area of Bio-science. Prof H Saha, Chairman, IETE Kolkata Centre and Gp Capt M Mukutmoni (Retd) Past Chairman, IETE Kolkata Centre were also present and delivered speeches. All speakers at the outset of their talks deliberated in details about the pioneering achievements of this eminent scientist

both in the field of Wireless Communication and Bio-Science.

Lt Gen Davinder Kumar in his address highlighted Sir J C Bose's achievements in Bio-science detailing his invention in the area of plant biological science. It was he who proved that plants have sensory organs, which are like living organism. The speaker also mentioned about his discovery of Coherer as the first detector in Microwave band.

Lt Gen Sehgal in his talk highlighted the IETE's efforts to remember and emulate great genius like Sir J C Bose through the observation of his birthday every year. IETE, acting as a technical platform with 52 centres and large number of student members also pay tributes to scientists like Dr C V Raman, Dr Vikram Sarabhai, by observance of their birth anniversaries. Gen Sehgal in his speech mentioned that IC which was abbreviated as Internal Combustion has taken a multidimensional implication over centuries as Electronic Micro Component (Integrated Circuits) and later as part of ICT (Information and Communication Technology). Pioneering work in the field of ICT was initiated by Sir J C Bose with the invention of wire-less communication.

Prof K Chattopadhyay in the memorial lecture on this anniversary day presented the concept of Nano-Technology and how this has got the potentiality of revolutionising the physical and chemical properties of materials. At IISc Bangalore, advanced research is being carried out in this area. He also mentioned the ways in which the nature has practised Nano-Technology. He illustrated the mixed (pigments plus structural) colour of the feathers of our National Bird - Peacock and various common insects at nano level. He said the evidence of Nano-technological activities are found in abundance in

nature. He also stated that as far as human understanding of this new technology is concerned, it all started with famous scientist Prof Richard P Feynman's writing 'There's Plenty of Room at the Bottom', who made a famous remark *"Why cannot we write the entire 24 volumes of the Encyclopedia Britannica on the head of a pin ?"* which is no doubt the basis of Nano Technology concept. In brief, Nano Technology deals with *"problem of manipulating and controlling things on a small scale"*. He captivated the audience with his illustrations and profound knowledge. Prof Chattopadhyay proposed that 150th birth anniversary of Sir J C Bose should be celebrated as the year of ICT.

Prof (Dr) H Saha, Chairman of IETE Kolkata Centre delivered the welcome address and appreciated the dignitaries who graced the occasion.

Mhow

Leading experts from Sun Microsystems were invited to IETE Mhow sub-centre on Nov 23, 2005 to deliver talks at Sun Technology Seminar on topics like cyber security, RFID and data management. The speakers were:

Shri Srikanth Ramakrishna: Identity Management with Single Sign on

Shri Vivek Joshi : Operating Systems Vulnerabilities and Hardening

Shri Sidhar Vajapey: Future Trends in Microprocessor Architecture

Shri Divyesh Shah: RFID Technology

Shri Subash Baliga : Data Storage Solutions for NW Centric Applications

Commandant MCTE, Mhow, Lt Gen M G Datar, VSM, was the Chief Guest.

The seminar was attended by IETE members from Indore and Mhow and a large number of engineering students. The event was given wide coverage by the local and national media.

Mumbai

Technical activities held by IETE Mumbai Centre:-

1. A technical lecture on 'Tele Medicine' by Dr V R Vatsal, CMO, Konkan Railway Corporation, was held on October 20, 2005 at Central Railway Auditorium CST Main, Mumbai.
2. Technical Lecture on "Information and Communications -A priority for Africa's Self-Development" by Mr Dickson Ochola Oming'o, Chief Lecturer and Head, Dept of Electrical & Electronics Engineering, Kenya College of Communication Technology, Nairobi, Kenya.
3. A one-day workshop on Digital Signal Processing Applications was conducted by the Electrical Engineering Students' Association (EESA), IIT, Bombay, on Oct 23, 2005, in the Dept of Electrical Engineering, IIT Bombay. It was organized in collaboration with the University Programme, Texas Instruments from the Industry, The Institution of Electronics and Telecommunication Engineers and the Indian Society for Technical Education. Digital Signal Processing (DSP) has evolved considerably as a discipline of importance in various branches of engineering and science. This workshop had a number of presentations by senior undergraduate and graduate students on the applications of the principles and methods to many engineering

and scientific problems. Examples of areas where applications were presented and discussed included but were not limited to Radar and Sonar, Medical Signal and Image Processing, Speech/Audio/Video/Multimedia Processing, Instrumentation, Power System Engineering, and Wavelet Based Methods. In many cases, a prototype realization of ideas on the Texas Instruments DSP Platform were conceived and explained. The presentations were conducted in 'exhibition format'. The workshop resulted in many parallel discussions on multifarious domains in which the basic principles of DSP could be usefully applied. The efforts and support of all involved in the conduct of workshop were highly appreciated.

Pune

The 6th Prof S V C Aiya Memorial Award for the year 2005 for Excellence in Telecom Education was conferred on Prof Vikram Gadre, PhD, Electrical Engineering Department, IIT Powai, Mumbai. On Nov 12, 2005, he gave a talk on 'Signal and Image Processing in Magnetic Resonance Imaging - A Collaborative and interdisciplinary endeavour'. Dr Deepak Jayant Tilak, Vice Chancellor of Tilak Maharashtra Vidyapeeth, Pune, presided over the function.

Shri T Pradeep Kumar, CEO (Technical) Suzlon Energy Limited, gave talk on "Non Conventional Energy Sources" on Sept 29, 2005. Shri M G Kulkarni, Chairman, IETE Pune Centre, welcomed the gathering and Prof S K Kshirsagar, Honorary Secretary, ended the function with a vote of thanks.

ISF ACTIVITIES

IETE Student Forum at S V Polytechnic College in Electronics & Telecommunication Deptt, Bhopal, was inaugurated on Aug 3, 2005. A seminar on 'Recent Trends in Communications' was arranged on the occasion. The Chief Guest was Shri P P Khare, (Retd) CGM, BSNL.

Prof R Prakash delivered a talk on "Real Time Operation Systems (RTOS)" for ISF at Dayanand Sagar College of Engineering on Oct 4, 2005.

IETE Student Forum was inaugurated at Reva Institute of Technology, Bangalore, by Prof C Murali, Chairman, IETE Bangalore Centre. Prof P R Muralidhar, FIETE delivered a talk on 'Communication Systems' on Oct 24, 2005.

The following Colleges have been enrolled during Oct - Dec 2005 as **new ISF College members:**

1. Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh
2. D V R College of Engineering & Tech, Sangareddy Mandal, Medak Dist
3. Shri Rawatpura Sarkar Institute of Technology & Science, Jhansi Road, Datia
4. Asia Pacific Institute of IT, GT Karnal Road, Panipat
5. Watumull Institute of Electronics Engg Computer Tech & Electronics Instrumentation, Worli, Mumbai
6. Srikalahateswara Institute of Technology, Srikalahasti, Chittoor Dist
7. Maharishi Markandeshwar Engineering College, Amabala
8. Guru Nanak Engineering College, RR Dist, Hyderabad

THE IETE COUNCIL 2005-06

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Prof K K Aggarwal (*lmdt Past President*)
Maj Gen Yashwant Deva, AVSM (Retd) (*lmdt Past President*)

Dr S S Agrawal
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Dr R P Bajpai
Wg Cdr (Dr) M L Bala (Retd)

Dr M C Chandra Mouly

Smt Smriti Dagur
Prof B L Deekshatulu
Lt Gen Davinder Kumar, PVSM, VSM, Bar & ADC

Shri M L Gupta
Shri R K Gupta
Maj Gen K B Jhaldiyal, AVSM (Retd)
Gp Capt H Kaushal, VSM (Retd)
Dr V P Kulkarni

Brig Lakshman Singh, VSM (Retd)
Prof K Laxminarayana

Shri P P Malhotra
Wg Cdr D N Misra (Retd)
Shri S Narayana

Shri S A Soundara Rajan
Shri K Surya Prakash Rao
Dr (Ms) Sneh Mohan

Ms Devatha Parthasarathy (Rep Org Members)

Nominated

Shri K M Paul

Dr N Vijayaditya

Dr Laxman Prasad

708, Sector 23, Gurgaon - 122 017.
 Vice-Chancellor, GGSIP University, Kashmere Gate, Delhi - 110 006.
 20, Signals Vihar, Mhow - 453442 and 1115 Sector A,
 Pocket A, Vasant Kunj, New Delhi - 110 070.
 DX-139, Kendriya Vihar, Sector 56, Gurgaon-122 003.
 B-89, Sector 14, Noida - 201 301.
 Vice Chancellor, Guru Jambheshwar University, Hissar (Haryana)- 125 001.
 D-705, Purvasha Apartments, Anand Lok Gp Hsg Society,
 Mayur Vihar, Phase I, Delhi - 110 091.
 S 1, Ekasila Apartments, 23-2-5, Bhagath Singh Road,
 Satyanarayana Puram, Vijayawada -520 011.
 16, Niharika Bunglows, Near Himatlal Park, Vastrapur, Ahmedabad-380 015.
 H No 10-3-123/3, East Maredpally, Secunderabad - 500 026.
 Signal Officer-in-Chief, Directorate General of
 Signals, G S Branch, Room No 627, A Wing, Sena Bhawan,
 DHQ PO, New Delhi - 110 011.
 113, Vigyapan Lok Aptts, 15, Mayur Vihar, Phase I Extn, Delhi - 110 091.
 D-20, Sector 27, Noida - 201 301.
 562, Mandakini Enclave, Alaknanda Complex, New Delhi - 110 019.
 "Bhakti Bungalow", 285/16, Koregaon Park, Pune - 411 001.
 President & CEO, Gem-Tech Solutions Pvt Ltd
 O-17, Jawahar Nagar, Thiruvananthapuram -695003.
 P-8, House No 539, Sector-21, Noida - 201 301.
 Flat No.102, Arvind Residency, 1-2-304,
 Gaganmahal Road, Domalguda, Hyderabad- 500 029.
 B-5/155, Paschim Vihar, New Delhi -110 063.
 House No-671, Sector-33 B, Chandigarh - 160 030.
 Scientist & Head Instrumentation Divn, N G R I, Uppal Road,
 Hyderabad - 500 007.
 26/1, Dr Besant Road, Triplicane, Chennai - 600 005.
 8-1-523/101, Brindavan Colony, Tolichowki, Hyderabad - 500 008.
 Street C-4 (IIA-17), Opp Main Guest House,
 IIT Main Campus, Hauz Khas, New Delhi - 110 016.
 Trustee, Vellore Educational Trust, S L N College of Science,
 50, IInd West Cross, Gandhi Nagar, Vellore-632 006.

Seema Apartments, A-83, Plot No 7, Sector 11, Dwarka,
 New Delhi -110 045.
 Director General, National Informatics Centre, MC&IT, A-Block,
 CGO Complex, Lodi Road, New Delhi - 110 003.
 Advisor, DST, Technology Bhawan, Mehrauli Road, New Delhi - 110 016.

CHAIRMEN OF IETE LOCAL CENTRES

(Ex-Officio Members of the Council)

BANGALORE	Prof C Murali , 2852, 13th Main, E-Block, II Stage, Rajaji Nagar, Bangalore - 560 010
BHOPAL	Dr D K Trivedi , Dept of EL & Comm, MANIT, Bhopal - 462 007
CHANDIGARH	Prof P Prabhakar , (Wg Cdr) (Retd), # 589, Sector 12A, Panchkula (Haryana)
CHENNAI	Er V Appakutty , 1180, 19th Street, 'G' block, Anna Nagar, Chennai - 600 040
DELHI	Shri K C Chhabra , 23 NPL Apartments, Vikaspuri, New Delhi - 110 018
HYDERABAD	Shri C Govardhan , 8-B, BHEL Enclave, Akbar Road, Secunderabad - 500 009
KOLKATA	Prof H Saha , P-193, Sribhumi, Kolkata - 700 048
MUMBAI	Shri G S Tuteja , Chief Comm Engineer, CSTE'S Office, 3rd Floor, Annex Building, Central Railway, CST Main Mumbai - 400 001
NOIDA	Brig Ramesh Chandra (Retd) , 99, Sector 37, Arun Vihar, Noida - 201 303
PUNE	Shri M G Kulkarni , Sri Kripa, Plot- 4, SAMEER Housing Society, Dhankawadi, Pune - 411 043

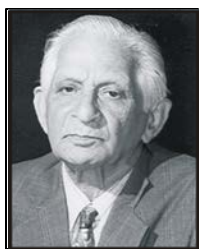
IETE FORTHCOMING EVENTS

The following is the schedule of events being planned by IETE/ local centres during 2006.

Date	Topic	Event	IETE Centre
6-7 Jan 06	Wireless and Broadband	Conference	Mankapur
Jan 06	Communication for Homeland Security	Zonal Seminar	Guwahati
Jan 06	*	Local Seminar	Hyderabad
9-11 Feb 06	Next Generation Networks	International Conference	Mumbai
11-12 Feb 06	HAM radio & its Development/ Applications	Zonal Seminar	Goa
25-26 Feb 06	New Trends in Communications	Technical Seminar	Kochi
28 Feb 06	*	10th Sir C V Raman Memorial Lecture	Delhi
Feb 06	Networking & e-Security	Local Seminar	Ahmedabad
Feb 06	Networking Sensors	Local Seminar	Allahabad
4-5 Mar 06	Infostructure -An Imperative for Development or Emerging Trends in Electronic Technologies	Zonal Seminar	Jammu
Mar 06	Bio-informatics or Communications for Disaster Management	Zonal Seminar	Vijayawada
Apr 06 or Sept 06	*	Local Seminar	Kanpur
Apr 06 or Sep 06	*	Local Seminar	Shimla
8-9 Apr 2006	ICT-Initiative for Rural Development	37th MTS	Kolkata
17 May 2006	*	38th World Telecom Day	IETE HQ/ all centres
May 2006	*	Local Conference	Shimla
May 2006	Brain Fertility on Mobile Phone Usage	Local Seminar	Noida
Sep 06	*	ATC	Mumbai
Sep06	*	Local Seminar	Tirupati

*Topic not yet confirmed

OBITUARY



Shri M Madan Mohan (DF-016761): IETE fraternity expresses profound grief on the demise of Pitamaha, Sh Madan Mohanji, one of the most active members of IETE under whose leadership IETE Hyderabad centre took its first step. He would be remembered as a very dedicated IETE volunteer and disciplined engineering professional. His demise is a tremendous loss for the IETE fraternity.

Shri Madan Mohan studied in Nizam's College, Hyderabad, obtained B.Sc Degree from Madras University; graduated in Electrical Communication Engineering from IISc, Bangalore and pursued Post Graduate Studies in RCA Institute of Brooklyn Polytechnic, New York, on Nizam's State and Government of India Scholarships. He started his career in Nizam's State Wireless Services and pioneered telegraphy, telephony and wireless facilities in the Nizam's State, which were taken over by P&T after the merger of the Nizam's State. His services were transferred to All India Radio in 1950. He was President of AIR's Engineers Association and succeeded in the reorganisation of Engineering services and betterment of Professional Status. He took premature retirement from AIR in 1968 to set up his own electronic industry. He was member of High Level Committee set up by Govt of Andhra Pradesh for development of Electronics Industries in the State and worked for the establishment of AP Electronic Development Corporation and was the member on the Board of Directors since its inception in 1981.

He was founder President of Electronic Industries Association in AP and encouraged establishment of more than 200 industries in the State. In recognition of his services he was conferred the title "BHISHMA PITHAMAHA". He had also been honoured by several Professional Bodies, Associations and Societies for his services to the society in several fields.

Shri Madan Mohan was a multifaceted and respected personality. He held important positions in education, industry, sports, cultural & social organisations and professional bodies. He served on several Central and State Government Committees, important amongst them were committees on Modernisation of Small Scale Industries, Ministry of Industries, Technical Advisory Committee for AIR and Doordarshan, Ministry of Information and Broadcasting, State Committee on Science and Technology, Govt of AP.

Hyderabad Centre of IETE established in 1973 was his dream child. He was Secretary, Treasurer in the initial stages and became Chairman in 1975-76, 1976-77. His abiding interest in having a permanent place for IETE Hyderabad Centre led to the acquisition of a site and construction of the most prestigious building that IETE has in the country. By holding annual Endowment Lecture under the auspices of IETE, Hyderabad Centre, Shri Madan Mohan was honoured as a pioneering Electronics Engineer, Industrialist and Educationist and patriarch of IETE Hyderabad Centre. He was elected as a Distinguished Fellow of IETE in 1993.

IETE is indebted to Shri M Madan Mohan for his relentless efforts and support. Let us join his bereaved family to pray for his soul to rest in peace.



Shri D V S Raju (F001683): Shri Raju did his post graduate Diploma in Electronics from Madras Institute of Technology and a course in Radar Engineering from Macroni College in UK. Afterwards he worked as a Development Engineer in Furzhill Laboratories, Watford, UK, and then in Hydraulic Instrument Division, Central Water & Power Research Station, Pune. He was the founder of ELICO Group of Industries and also introduced the first indigenous PH Meter laying the foundation for Instrument Industry in Hyderabad. He had a passion for HRD in Industry. Despite his rich experience and matured industrial vision, he was a simple and broad-minded person.

He was the President of Electronic Industries Association of AP (ELIAP) during 1982-83 and associated with many professional and industrial bodies as a senior member. He steered them to greater success by virtue of his managerial abilities and progressive instincts. He was former chairman of IETE Hyderabad Centre, Instruments Society of India and many other organisations. In recognition of his contributions in the field of Electronics and Telecommunications and to the Industry in AP, he was highly felicitated and given several awards.

Shri D V Raju passed away on Dec 8, 2005 at the age of 81. IETE mourns the demise of Shri DV S Raju and pray for his soul to rest in peace.

CALENDAR OF EVENTS

Subject	Date	Venue	Contact
✉ 1st National Conference on "Emerging Trends in Instrumentation Systems" NCETIS'06 "	5-6 Jan 2006	Coimbatore	Dr M Rangasamy, Convenor Dept of Electronics & Instrumentation Engg Sri Rama Krishna Engg College, NGGO Colony Post Coimbatore-641 022 Ph: 0422 2460088, 2461588; Fax: 2461588 Fax: 0422- 2461089; Website : www.srec.ac.in
✉ International Symposium on "Electronic Communication, Radio Surveillance, Automation, Control & Safety for Mines & Hazardous Areas"	23-24 Jan 2006	New Delhi	Dr Sudhir Kumar Scientist 'F' Dy Dir Convener Ph: 0091 326 203010/203070/203090 Fax: 0091 326 202429/202774/203156 e-mail: ddmisra@csir.res.in Website : www.csir.res.in/cmri
✉ International Conference on Next Generation Networks (ICNGN-2006)	9-11 Feb 2006	IETE, Mumbai	Dr K T V Reddy Hony Secretary, IETE Mumbai Centre Ph: 022 26610124 Fax: 022 26609598, e-mail: ietemumbai@vsnl.net
✉ IMS Conference 2006	17-18 Feb 2006	Kurukshetra	Prof P J George Conference Chairman, Electronic Science Department Kurukshetra University, Kurukshetra-136 119 Haryana Ph: 01744- 238023 (O) E-mail: imsconference2006@gmail.com Web : http://imschd.tripod.com
✉ National Conference on Communication, Controls & Bioinformatics (NCCCB-06)	8-10 Mar 2006	Kota	Dr Rajeev Gupta Coordinator, NCCCB-06 Reader in Electronics Engg Dept, Emgg College Kota Rawatbhata Road, Akelgarh, Kota-324 010 Ph: 0744 2471820, 2471992, 2470751 E-mail : ncccb2006@yahoo.co.in Website: www.eck.ac.in
✉ National Level Technical Symposium- Enantiosis-2006	Mar 2006	Nashik	Prof D M Chandwadkar, Head Electronics Engg Dept K K Wagh Institute of Engg Education & Research Hirabai Haridas Vidyanagri, Amrut Dham, Panchavati Nashik-422003 ; Tel: 0253 2516671Fax: 0253 2511962, e-mail: kkwcoe_nsk@sancharnet.in
✉ 14th Convergence India 2006 Intl Exhibition & Conference	21-23 Mar 2006	New Delhi	Website: http://www.convergenceindia.org/ci2k6-conf.html



Prof H Saha, Chairman, IETE Kolkata Centre presenting a memento to the President IETE, Lt Gen D P Sehgal during Sir J C Bose Memorial Lecture.



A special EC meeting of the IETE Kolkata Centre in progress with Lt Gen D P Sehgal, President, IETE.



Shri M G Kulkarni, Chairman IETE Pune Centre offering flowers to Awardee, Prof Vikram M Gadre, IIT, Mumbai during Prof S V C Aiya Memorial Award function. Also seen Dr Deepak Tilak, Vice Chancellor of Tilak Maharashtra Vidyapeeth, Pune and Prof S K Kshirsagar, Hony Secretary, IETE Pune Centre.



Inauguration of IETE Student forum at S V Polytechnic College, Bhopal. L R: Mrs Anamika Jain, Prof I/c IETE Student Forum; Shri R K Rusia, I/c HOD Electronics; Shri G S Sharma, Principal S V Polytechnic College; Shri P P Khare, Vice Chairman IETE Bhopal Centre; Shri Prateek Vajpayee, Hony Treasurer, IETE local centre.

Note: The Institution of Electronics and Telecommunication Engineers assumes no responsibility for the statements and opinions expressed by individual author and speaker.

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