



सह वीर्यं करवावहे

IETE NEWSLETTER

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FROM PRESIDENT'S DESK

The Millenium Council has set an aspiring agenda for action. Its main plank is obviously academic, widening the activity vista, adoption of Online culture and fillip to distance education. Endowed with an unenviable track record, we can take tremendous pride in the integrity of our academic credentials. There is quality in our guidance programme and more important, display of will to provide opportunity to deprived sections of our society who can neither manage the indulgence of formal education nor afford the luxury of private coaching. The egalitarianism through non-formal, non-profit accruing, social-service is the *raison d'etre* of this Institution. Mass computer literacy, continuing education, content creation, e-libraries, distance education through electronic media and in-house research are activities to that end, which we have wisely ventured into. However, these can only fructify if our centres take on the burden of guidance and find progressive and off-beat ways of pursuing them.

As the AICTE thoughtfully puts it, the main focus of attention has to be the student and not the management. We have created a forum for the students to debate the issues that exercise the young minds, expecting them not only to give us a feed back but also suggest constructive ways to address all facets of Human Resource Development and personality building.

Whereas elsewhere the academic system has taken the beating, ours has withstood the vagaries of times and lure of moneybags, keeping the pressure brokers at bay. Let us continue to keep it that way.

Maj Gen Yashwant Deva,
AVSM (Retd)

NEWS FROM HEADQUARTERS

Report on 43rd Annual Technical Convention-ATC 2000

The 43rd Annual Technical Convention of IETE was held from 30th Sep to 1st Oct 2000 at India Habitat Centre, New Delhi on an apt subject "e-Commerce".

The Convention was inaugurated by Shri Arun Jaitley, Hon'ble Minister of Information and Broadcasting and Law, Justice and Company Affairs. He laid stress on the relevance of Internet and e-commerce to our country and said that the world had started recognizing India as a powerful and potent economic force because of its knowledge resource. We have established our identity atleast in one area of core competence. He said that IT act, which was passed by the Parliament, was a firm step but has limitations of enacting cyber laws and regulations. It recognizes e-commerce, e-records, e-documents, e-signatures and creates certain categories of electronic offences and makes people accountable for these offences. We will have to keep pace with the technology and legislate in order to create a framework under which the Govt acts as a facilitator for the e-commerce to grow.

The inaugural session of the Convention included announcement of

Honorary Fellowship of the Institution to Shri Azim H Premji, Chairman WIPRO, and Conferment of Distinguished Fellowship on Dr Surendra Pal, Group Director, ISRO, Bangalore.

The Chief Guest released a souvenir on the occasion along with e-commerce special issue of IETE Technical Review. The mementoes were presented to the Honourable Guests.

Maj Gen Yashwant Deva, AVSM (Retd) who assumed the office of President, IETE at the Convention, emphasized on policy making issues and creation of infrastructure for pursuing the applied research. He said "Here (in India), the conflict is and shall always be between hierarchies that smack of and betray totalitarianism, babuism, and fundamentalism on one side of the divide and networks borne of liberalism, egalitarianism and pluralism on the other. It is not that network cannot be an instrument of infraction and libertine and permissive culture as is apparent from the Internet. However, evil is in content not in connectivity, in application not in design".



A view of the dias during the 43rd Annual Technical Convention: Seen are L→R Cdr (Dr) H S Sharma, Hon'ble Minister of I&B and Law, Justice and Company Affairs, Shri Arun Jaitley, Maj Gen Yashwant Deva, AVSM (Retd), President IETE and Dr V K Aatre, SA to Raksha Mantri and Secretary DRDO

The inaugural session also featured the 32nd Bhabha Memorial Lecture by Dr V K Aatre, SA to Raksha Mantri and Secretary, DRDO on "Electronic-Warfare- A Perspective". Dr Aatre explained how electronics can act as a force multiplier in war. Among other eminent speakers in the inaugural session were Shri N Vittal,

Chief Vigilance Commissioner, who in his lead talk emphasized on developing the imperatives for the success of e-commerce namely computer density, connectivity, content, cyber laws. He advocated tax holiday for the articles traded through e-commerce.

IETE Award Ceremony was also held on the occasion of Annual Technical Convention. Shri N R Mokhariwale, Member (Services), Telecom Commission, New Delhi gave away prizes to the following recipients.

23rd IETE-Ram Lal Wadhwa Gold Medal for outstanding contributions in the field of electronics and telecommunication engineering in the broadest sense, during the last ten years.

Dr K N Shankara, ISRO, Bangalore

12th IETE-Hari Ramji Toshniwal Gold Medal for outstanding innovations for application to industry, preferably in the field of electronic instrumentation leading to the development and production of electronic instruments and related systems for use in India and abroad.

Prof G C Ray, IIT, Kanpur

16th IETE-Bimal Bose Award for outstanding contributions in the field of power electronics in the broadest sense.

Prof S R Doradla, IIT, Kanpur

15th IETE-Lal C Verman Award for outstanding contributions in the areas of standardisation, quality control and precision measurements, during the last ten years.

Shri P L Kulkarni, SAC / ISRO, Ahmedabad

7th IETE-Flt Lt Tanmaya Singh Dandass Memorial Award for outstanding contributions in the field of Avionics, covering education, research, design, development and/or production, during the last ten years.

Major Souresh Bhattacharya, MCEME, Secunderabad

7th IETE-Prof K Sreenivasan Memorial Award for outstanding contributions in teaching electronics and telecommunication engineering in the broadest sense during the last ten years.

Shri G T Manohar, IIT Chennai

6th IETE-Prof S V C Aiya Memorial Award for outstanding contributions in motivating research work in electronics and telecommunication engineering in the broadest sense during the last ten years.

Prof A N Chandorkar, IIT, Bombay

6th IETE-Prof S N Mitra Memorial Award for outstanding contributions and leadership role in radio broadcast science and technology in the broadest sense during the last ten years.

Shri A K Aggarwal, AIR, New Delhi

3rd IETE-CEOT (94) Award for outstanding contributions in the field of Opto-electronics in the broadest sense, covering materials, devices, circuits, technologies, systems applications.

Dr S C Gupta, UPTRON, Lucknow

3rd IETE-B V Baliga Memorial Award for distinguished contributions to the field of Electronics and Communications with emphasis on R&D and industrial development during the past ten years.

Dr K S Srinivas, BHEL, Bangalore

Awards for articles published in IETE Journals-1998

S K Mitra Memorial Award for the best research oriented paper

On Generalized Inverses of Fuzzy Matrices by Dwijesh Dutta Majumder & P S S N V P Rao, *IETE Jr of Res*, Vol 44, Nos 4 & 5, pp 149-159, July-Oct '98.

J C Bose Memorial Award for the best engineering oriented paper

Design of Circular Microstrip Antenna using Neural Networks by Rabindra K Mishra and Amalendu Patnaik, *IETE Jr of Res*, Vol 44, Nos 1 & 2, pp 35-39, Jan-Apr '98.

M N Saha Memorial Award for the best application oriented paper

Development of an Automated High Pressure Oxidation System (HiPOS) by K N Bhat, P R S Rao, J Vijayakumar, S Seetharaman, K Gopinath and K S Chari, *IETE Tech Rev*, Vol 15, Nos 1 & 2, pp 27-35, Jan-Apr '98.

K S Krishnan Memorial Award for the best system oriented paper

An Indigenously developed PC Based Rapid Thermal Chemical Vapour Deposition System by B B Dixit, K S N Rao, G K Gautam, P Suryanarayana, G Eranna, B C Joshi, V P Deshwal and R Varma, *IETE Tech Rev*, Vol 15, Nos 1 & 2, pp 5-11, Jan-Apr '98.

CDIL Award for Industry for the best paper contributed by authors from industry

Call Admission Control Algorithm for ATM Networks Based on Simple Rate Adaptation of source Coders by S Shanmugaval, N Vijaya, P Indumathi and J Kannan, *IETE Tech Rev*, Vol 15, No 4, pp 271-277, July-Aug '98.

Gowri Memorial Award for the best paper on topic of general interest

Development in Satellite Communications by R Ashiya, *IETE Tech Rev*, Vol 15, No 5, pp 319-330, Sept-Oct '98.

Students' Journal Award for the two best papers in the *IETE Journal of Education*

(i) The Internet Applications and Client Softwares by P G Muraleedharan, *IETE Jr of Edn*, Vol 39, No 1, pp 9-23, Jan-March '98.

(ii) Broadcast: A Review by H O Srivastava & Harsh Vardhan, *IETE Jr of Edn*, Vol 39, No 2, pp 101-110, Apr-June '98.

Best Performing Centre: Every year the IETE Council selects the best performing local Centre and sub-centre based on their professional activities during the year. For the year 1999-2000 awards are:

Best Performing Centre - Hyderabad

Special Award - Bangalore

Best Performing Sub-Centre - Nashik

8th IETE National Technical Paper Contest-2000

1st Prize - Ms Bina Prajapati and Ms Deval Motka of 3rd year BE Electronics, M S University, Baroda, Gujarat for their paper "Cryptography: A New Dimension in Computer Data Security".

2nd Prize - Ms Subhadeep Pal & Sharon James, of 5th Semester, BE Electronics & Communication, JNN College of Engg, Shimoga for their paper "Biometrics-Signature Verification Techniques".

3rd Prize - **Mr. Gaurav Kumar**, of 4th Semester B.E. Electronics & Communication, Govt Engg College, Modasa for his paper "Future Generation Mobile Phones".

Awardees for AMIETE Examination

Council Prize - I - Shri Girish Katta for securing the highest aggregate percentage with 60% or more marks and completing Part II of Section A of AMIETE Examination in one attempt without exemptions in June 1999 Examination.

Council Prize - I - Ms Saroj Bharti for securing the highest aggregate percentage with 60% or more marks and completing Part-II of Section B of AMIETE Examination in one attempt without exemptions in June 1999 Examination.

Studentship Award - Shri M P Babu Bathina for securing the highest aggregate percentage with 60% or more marks and completing Part-I of Section B of AMIETE Examination in one attempt without exemptions in June 1999 Examination.

Studentship Award - Shri Rakesh Chaudhary for securing the highest aggregate percentage with 60% or more marks and completing Part-I of Section B of AMIETE Examination in one attempt without exemptions in December 1999 Examination.

Council Prize - II - Shri Ashish Guha Roy for securing the highest aggregate percentage with 60% or more marks and completing Part-II of Section B of AMIETE Examination in one attempt without exemptions in December 1999 Examination.

Awardees for DIPIETE Examination

Studentship Award - Shri Ajith Kumar for securing the highest percentage with 60% or more marks in 4 of the 6 compulsory papers of Sec-B of DIPIETE examination in one attempt and completing Sec-B in two consecutive attempts in June 1999 Examination.

Council Prize - II - Shri Kuppusamy, P for securing the highest aggregate percentage with 60% or more marks in 15 papers of Sec-A & B of DIPIETE Examinations in four attempts within a period of 3 years without availing any exemptions during June 1999 Examination.

Council Prize - I - Shri A Dhanya Raj for securing the highest aggregate percentage with 60% or more marks in

4 papers of Sec-A of DIPIETE Examinations in one attempt and completing Sec-A in two consecutive attempts during December 1999 Examination.

Council Prize - II - Shri Prakash Iyengar for securing the highest aggregate percentage with 60% or more marks in 15 papers of Sec-A & B of DIPIETE Examinations in four attempts within a period of 3 years without availing any exemptions during December 1999 Examination.

There were 6 technical sessions during the ATC spread over two days.

Session - I - "e-commerce-Technology Update" chaired by Shri N R Mokhariwale, Member (Services), Telecom Commission, New Delhi.

Session - II - "Electronic Business" chaired by Dr N Vijayaditya, DG, NIC, New Delhi.

Session - III - "Security Issues - e-Commerce, Internet and Digital Signature" chaired by Shri V P Sandlas, CC R&D, Ministry of Defence, New Delhi.

Session - IV - "Cyber Laws and Regulatory Issues" chaired by Shri S Lakshminarayana, Jt Secretary, MIT, New Delhi.

Session - V - "Electronic Fund Transfer" chaired by Maj Gen B K Kataria, VSM, ADG (Telecom), Army HQs, New Delhi.

Session - VI - "Management and Implementation of e-commerce Systems" chaired by Shri Dilip Sahay, Sr DDG, TEC, New Delhi

Some of the recommendations made by the experts were:

- Deployment of national Internet back bone.
- Installation of payment gateways that connect all banks.
- Development of healthy IT culture in business and organisation.
- Installation of security systems.
- Setting up of the data bases on the lines of Sweden and Singapore.
- Creation of Digital Certification authorities
- Declaration of cyber Space as the common heritage of mankind by the UN General Assembly.
- Adoption of ADSSL and WAP technologies which

help in broad-band Internet Communication.

- Statutory security audit.

On the 2nd day of the Technical Convention Dr K N Shankara, Deputy Director, ISRO, Bangalore delivered the 23rd Ram Lal Wadhwa Memorial Award Lecture on "Indigenisation of critical Technologies for Communication Satellites". He highlighted the steps taken by the Indian Scientists after impositions of sanctions in 1998. Important tasks undertaken under this programme are Development of Space qualified TWTA (jointly with CEERI, Pilani and Bharat Electronics), Development of GaAs Solar Cells, at IISc, Bangalore, Development of GaAs power FETS at CEERI, Development of TCXO's, Zener Diodes, Switching Diode, RF connectors, EMI filters, Linear ICs etc. Some of these indigenous efforts have been completed and others are progressing well. He revealed that India's first GSLV was scheduled for launch in the year 2001.

Tutorials on e-commerce and Internet & IT enabled Services were conducted before the inaugural session on 29th Sep 2000. The tutorials were well attended by the practicing managers, engineers and students from all over India.

SummIT 2000

A Mega International Show and Business SummIT 2000 was held at Kathmandu from Sept 9-11, 2000. The SAARC, SEARCC, CJK, GULF and Western countries participated. Dr H S Sharma made a presentation in the Summit on "IT as a tool for Social, Cultural and Economic Development".

SEARCC News

Brig SVS Chowdhry, Past President and Distinguished Fellow of the IETE attended SEARCC meeting in Cebu, Phillipines on 27 May 2000 along with Dr R Srinivasan, FIETE.

SEARCC is a grouping of 14 countries with the avowed aim of promoting regional co-operation in the field of IT. India is an active member of this group and has hosted the SEARCC Conferences in the past, in 1988 and 1997.

Donation of Books

Shri G P Sahu, AMIETE of Uttarkashi was kind enough to donate eight books related to Electronics &

Telecommunication to the Library, IETE Hqs for the use of IETE Students. IETE acknowledges and appreciates this donation.

IETE Elders

A policy decision was taken by the Council during 1996 to honour senior members of IETE. Senior members who meet the criteria of age plus membership period (continuous) being more than 85 (provided minimum membership period is 15 years) are eligible.

In the formative years of IETE, there was no record of date of birth of the members and hence it is not possible in all cases to identify the members who are eligible for this honour.

We request the IETE elders to send us the record of their date of birth.

Membership Card with the Photograph

As suggested by some senior members, we are introducing Photo Membership Card for Life Members.

All Life Corporate Members desirous of obtaining such cards are requested to remit Rs 50/- along with stamp size photograph of 1" x 1". Remittance may kindly be sent through Demand Draft or / Local (New Delhi) Cheque only payable to Secretary General, IETE at New Delhi.

Database of Experts/ Consultants / Specialists

Members desirous of listing their speciality are requested to fill up the form placed as Appendix to this issue of Newsletter and send the same to the IETE HQs.

STUDENTS CORNER

Students Interactive Forum

The Council 2000-2001 has created a Students Interactive Forum. Apart from addressing students' problems, it will address issues of career planning, human resource development and personality building. Student's representatives will be invited to attend its meetings.

IETE Results on Web-Site

Results of IETE June Examinations are on IETE Website, www.iete.org.

Revised Fee for Students

With effect from 01 October 2000 the revised fee is as follows:

Student membership enrolment fee:

| | | |
|------------------------|---|--------------------|
| Application Fee | : | Rs. 125.00 |
| Admission Fee | : | Rs. 125.00 |
| Building-cum-Lab Fund | : | Rs. 1000.00 |
| Composite subscription | : | Rs. 1250.00 |
| Total | : | Rs. 2500.00 |

All enrollment application forms for AMIETE/ DIPIETE should accompany Bank Draft for Rs. 2500/- in favour of Secretary General, IETE, New Delhi.

AMIETE examination fees has been revised from Rs 475/- to Rs 500/- per part plus Rs 20/- for the postage and Rs 20/- for the examination form.

Exemption, Improvement, Examination fees for the remaining one paper of each part if all other papers of that part have been cleared/exempted, for any additional paper, practical paper and Lab Practice I & II – the fee has been revised from Rs 175/- to Rs 200/-.

Examinations

Dec 2000 IETE examinations are scheduled from 13 Dec to 20 Dec, 2000.

Last date of enrolment for June 2001 and Dec 2001 Exams are Dec 31, 2000 & Aug 31, 2001 respectively.

Recognition of DIPIETE

On the recommendation of High Level Committee for Educational Qualification, the Govt of India have recognized the Diploma Level Examination in Electronics conducted by The Institution of Electronics and Telecommunication Engineers, New Delhi for the purpose of employment to posts and services under the Central Govt in the appropriate field.

The recognition accorded will be effective from the year 2000 and will be reviewed after three years from the date of notification.

The copy of the recognition notification has been forwarded to:

1. All Ministries/Depts of Govt of India
2. All State Govts and Union Territories (Education Depts)

3. All Directors of Technical Education
4. Union Public Service Commission, Dholpur House, Shahjahan Road, New Delhi
5. Staff Selection Commission, CGO Complex, Lodhi Road, New Delhi
6. All State Public Service Commissions
7. Association of India Universities, 16, Kotla Marg, New Delhi-110 002
8. DPIC Ministry of HRD, Deptt of Sec Education & Higher Education, Shastri Bhawan, New Delhi
9. All Boards of Apprenticeship Training
10. Member Secretary, AICTE, IG Sports Complex, IP Estate, New Delhi 110 002.

NEWS FROM LOCAL CENTRES

Bangalore

The following notable activities and lectures took place at the IETE Local Centre.

(a) Inauguration of short term courses by Wg Cdr R Nagaraja Rao(Retd), Chairman IETE Centre.

(b) Prof K Srinivasan Memorial Lecture was delivered by Dr M H Kori (Head Telecom & Networking, Strategic Business Unit, DSQ Software) on "Trends and opportunities in Telecommunication".



Chief Guest Dr Rajaramanna making a point during ITI Endowment Lecture

(c) ITI Endowment Lecture was delivered by Dr E S Raja Gopal, IISc on "Telecommunication using Optical Systems" on 21 July 2000. Dr Rajaramanna, Vice Chairman, Council of Management, National Institute of Advanced Studies was the Chief Guest.

(d) During July to Sep 2000, 37 lectures were delivered by the professors and experts in the field of VLSI Technologies, Networking, Digital Electronics, Computer languages, Microprocessors, Fourier & Z-Transforms, Signals and Systems including switching Technologies and Micro-processor Peripherals, Filter Design, LAN MAN WAN, Microprocessors, VHDL, Internet and Multimedia & Networking etc.

(e) Engineer's Day & Electronics Talent Exhibition cum contest (ETE-2000) were held jointly by Society of Electronics Engineers & IETE Bangalore Centre on 15th Sept 2000. Highlight of the day was the demonstration of on line Kannada script recognition system without the use of keyboard, by use of digitizer pad and pen developed by Prof Srinivasa Rao Kunte, HOD, ISF JNCCEC, Shimoga.

Bhopal

The first Executive Committee Meeting of newly upgraded Bhopal Centre was held on 13 Aug 2000. Shri J P Khare, Chairman of the Centre resolved to seek co-operation of all members, the local industry, educational institutions and users of IT to enhance the aims of IETE.

Dr Sharma in his address informed all the members about various programmes of IETE especially new course launched in IT and deemed University status for IETE courses. He stressed upon the increased membership amongst students, professionals and industries.

Calcutta

A one day seminar on Electronics Commerce - A Pathway to progress organised by ER & DCI, Calcutta and MIT, Govt of India in collaboration with IETE, Calcutta Centre on 21 Aug 2000. Dr P S Nageswara Rao, Sr Director, MIT welcomed the audience. The inaugural address was delivered by Prof D K Basu, former Vice Chancellor, Burdwan University.

The Seminar had two technical sessions in which the following lectures were delivered.

Technical Session - I

- Certificates: Crux of Public Key Infrastructure by Prof

R K Shyamasundar, Dean, Technology and Computer Science, TIFR, Mumbai.

- E-Business: On the edge of What's Possible by Shri Anand Ramanathan, Price Water House Coopers Limited.
- Role of Encryption and Digital Signatures in e-Commerce by Shri Partha S Biswas, Director Signotron (India) Pvt Ltd.

Technical Session - II

- E-Commerce and Supply Chain by Shri Biju Raj, Business Development Manager, Non Stop e-Business, COMPAQ Computer India Pvt Ltd.
- The road to e-Business: A Blue Print For Change by Shri Jyoti P Das, Principal (East), IBM Global Services.

Chandigarh

The Engineers and Science Day was celebrated by the Chandigarh Centre on 26th Sep 2000. About 50 saplings and small plants were planted all over the IETE Chandigarh Compound. Dr H S Sharma delivered very informative talk on the Development of IT in India and its application in society. He said that the use of IT and Internet would lead to the transparency of service and increase the efficiency on each and every work-place including household and village. He praised Indians in the field of IT for bringing honour to the country.

Cochin

A valedictory function of Computer trainees under NORAD programme was conducted on 8 Aug 2000. Wg Cdr N J Pillai, Chairman Local Centre presided over the function. Ms Jayasree Shanbhag, Station Director, AIR, Kochi was the Chief Guest. The Chairman introduced the Chief Guest and clarified the objectives of the NORAD Scheme. Chief Guest said that program run by the centre is a laudable effort and is a valuable contribution to the society and wished best to the candidates.

Hyderabad

The following activities were organised by the Centre:

- A short term course on "Internet & Java Programming" inaugurated by Shri K Babu Rao, Council Member, IETE on 7th Aug 2000.

- Lectures on "HRD Planning and IT Exports" by Shri S K Aggarwal, Additional Director, Ministry of IT, New Delhi delivered on 3 Aug 2000 and "Uses of Space Technology for Natural and Manmade Disaster Management" by Dr Surendra Pal, Gp Director, Commn Systems Group, ISRO Satellite Centre, Bangalore on 19th Aug 2000. Shri K Babu Rao, Council Member IETE was felicitated on his Sashtipurthy.
- Seminar on "IT Expectations" conducted for DOEACC 'B' Level students on 18th Sept 2000.
- Demonstration of HAM Radio Equipment by M/s J H Communications on 23rd Sept 2000.
- A lecture by Dr S K Srivatsa, Prof Electronics and Communication Engineering, Anna University, Chennai on "Topological Design of Computer Networks" organized by the IETE, Hyderabad Centre on 26th Sept 2000.

Pilani

To promote interest among students for IETE and its activities, the Centre arranged a competition among diploma level students for project presentation and demonstration. The best 3 projects selected in the area of Electronics Engineering were presented by Vikas Pareek, Asutosh Tiwari and Ashok Kumar Sharma. The best projects for computer science and engineering were presented by the students S D Geeta, W Kulshrestha and V Baheti.

Pune

IETE Pune Centre arranged for a lecture on "Internet on Cable TV" by Shri M Y Thote, Chief Engineer (Retd) Doordarshan on 29/7/2000. Synopsis of the lecture was that 30 million homes in India have TV cable penetration and this medium can provide alternate networks to PSTN, with high bandwidth for access to various Internet services, with interactive two way communication possibilities. With the cable networks going digital and using data compression techniques, this is now feasible.

All the major firms like Incable Net, Zee TV's proposed CATV network, Hathnay, Dishnet DSL and some more are entering this field. DeskTop TV connecting boxes for use on cable for this purpose have been developed. Silicon Mountains and Pune Association of cable operators are launching Internet services on its hybrid fibre optic/coaxial cable networks.

OBITUARY



We regret to announce the demise of **Shri S Mukhopadhyay** a nominated Council Member of IETE for the year 1995-96 and a scientist of Ministry of Information Technology.

The President, IETE in his condolence message to his son said, "It is with extreme shock and profound sorrow that we learn about the tragic death of our colleague and friend Shri S Mukhopadhyay. He was a Fellow of the Institution, a Council Member and was actively associated with the activities of the Institution. The tragedy is all the more intense, as you have also lost your brother. I, on behalf of the IETE Council, Secretariat and on my own behalf express heart-felt condolences on their demise. We pray to Almighty to give you and other members of the family strength to bear their irreparable loss. Our blessings are with you. May you carry on the noble traditions that your father has set before you."



Shri P Kailasnath, Past Chairman, IETE Bangalore Centre passed away on 15th Oct 2000. He was actively associated with IETE specially with Bangalore Centre for the past 20 years during which he was Honorary Secretary for five years, Vice Chairman for one year and Chairman of Bangalore Centre for two years. He is credited with introduction of innovative and popular programmes such as Summer School in Electronics, Electronics Talent Exhibition, Popular Electronics Lecture Series.

The President in his condolence message said, "Close as he was to us, we feel a sense of personal loss. IETE will always remember Kailasnath for his selfless service to the nation and the Institution. We pray to the Almighty to grant him eternal peace and give you strength to bear his loss".

We also regret the sad demise of the following IETE members.

Brig Purshottam Singh (Retd) FIETE, Chandigarh Centre.

Shri S S Bhalla, MIETE, Chandigarh Centre.

Shri M G Kulkarni, FIETE, Pune Centre.

Dr P D Vyas, FIETE, Pilani Centre.

Internet on cable TV promises to be powerful, economic alternative to PSTN network to provide services on Internet like High Speed data/e-mail services, video conferencing, multimedia services, security and social services and perhaps even telephony.

IETE Students Forum (ISF) Activity

IETE Student Forum at Jawaharlal Nehru National College of Engineering, Shimoga conducted a number activities and competitions during Jun-Aug 2000.

ACHIEVEMENTS

Prof Thomas Kailath an alumnus of Govt College of Engineering, Pune and Professor at Stanford University since 1963 has been elected to the US National Academy of Sciences. Prof Kailath has also received this year the highest award of IEEE Information Theory Society - The Shannon Award. He is Honorary Fellow of the IETE.

Dr R G Gupta, FIETE has been chosen the winner of the IEEE-1999. Outstanding Volunteer Award for the Asia Pacific Region-10 by the Award Committee chaired by Prof Sugano, R10 Director.

S Narayana, Council Member & FIETE has been awarded "Engineer of the year 2000" by Govt of Andhra Pradesh and The Institution of Engineers (India), AP State Centre in recognition of his outstanding and innovative contribution in the field of Electronics & Communication Engineering and Geophysical Instrumentation for the year 2000.

Quotable Quote

"What do you call a person who knows two languages?

- Bilingual

"What do you call a person who knows three languages?

- Trilingual

"What do you call a person who knows many languages?

- Multilingual

"What do you call a person who knows only one language?

- An American

N Vittal, Chief Vigilance Commissioner

Design Information

The Indian Institute of Science (IISc) Bangalore has done a commendable job by designing "Simputer; meaning Simple Computer". It has the capability of providing access to the Internet for just Rs. 9000/-. Although it may have limited function because of its memory but the invention needs to be applauded.

FORUM

I have been an examiner for IETE examinations and have always considered it a premier institution setting high standards that AICTE has recognised.

I understand that we intend recognising institutions, that conduct courses at the end of which the candidates can appear in our examinations. Though this may have merit, there is a great degree of spadework to be done before we go in for accreditation. As one who went through the pangs of birth of the DOEACC scheme, I hope the framework has been drawn up, the experts identified and their consent taken.

Transparency, Resisting pressures by large houses and individuals were doctrines central to my edifice building. I had the good fortune of having outstanding professionals from IETE, CSI, the Defence Services, Academia and individuals of high integrity helping me in various facets. In the very early days they operated for the love of building a sound foundation and expected no monetary returns.

I have no doubts that these have already been borne in mind. To be quite frank if this has not been done, the IETE reputation is at stake.

Brig (Retd) V M Sundaram

Sub-Centre of the IETE is being established at Tirupathi. Members are requested to donate liberally towards the Centre. Donations are exempted from the Income Tax.

CALENDAR OF EVENTS

| Subject | Date | Venue | Contact |
|---|------------------|------------|---|
| <ul style="list-style-type: none"> • APSYM-2000, National Symposium on Antennas & Propagation | 6-8 Dec 2000 | Kochi | Department of Electronics, Cochin Univ. of Science & Technology, Kochi-682 022, Kerala Ph: 91-0484-532161, Fax: 91-0484-532800 E-mail: apsym@doe.cusat.edu |
| <ul style="list-style-type: none"> • International Conference on Communications, Computers and Devices (ICCCD-2000) | 14-16 Dec 2000 | Kharagpur | Prof C K Maiti, Publicity Chair Electronics & Electrical Communication Engineering Department, IIT, Kharagpur, 721 302 Ph: +91/0(3222) EPBX: 55221 to 55224 & 77390 to 77393, Email: ccd2000@ece.iitkgp.ernet.in Fax: 55303, 82700 Website: http://www.iitkgp.ernet.in/ccd2000 |
| <ul style="list-style-type: none"> • 8th Intl Conference on Advanced Computing and Communication | 14-16 Dec 2000 | Cochin | Dr K Rajan, Dept. of Physics, IISc Bangalore 560 012, E-mail: rajan@physics.iisc.ernet.in |
| <ul style="list-style-type: none"> • PTC 2001, 23rd Annual Conference | 14-18 Jan 2001 | Honolulu | Pacific Telecommunications Council, 2454 South Beretania Street, Suite 302, Honolulu, HI 96826-1596 Ph: +1 808941 3789, Fax: +1 808 944 4874 E-mail: ptc2001@ptc.org |
| <ul style="list-style-type: none"> • National Seminar on Advanced Instrumentation (NSAI-2001) | 29-31 Jan 2001 | Chandigarh | Dr Rama Gopal V Sarepaka CSIO, Sec-30-C, Chandigarh-160 020 Ph: (0172) 657811, Extn 224 Fax: (0172) 657267, 657082 e-mail: sarepaka@cscsio.ren.nic.in |
| <ul style="list-style-type: none"> • International Conference Biomedical Engineering-2001 | 24-26 Jan 2001 | Chennai | Dr G Ravindran, Organising Secretary, ICBME-2001, Centre for Medical Electronics, Anna University, Guindy, Chennai-600 025 Ph: 91-44 2351723 Extn: 3169 E-mail: raviguru@annauniv.edu |
| <ul style="list-style-type: none"> • Infrastructure & Investment India 2001, 4th Intl Exhibition & Business summit | 5-8 Feb 2001 | New Delhi | WECOM, World Expo & Conventions Mgmt Ltd., E-35, Jangpura Extn, New Delhi- 110014, Tel: 4324674, 4324675 Fax: 91-11-4314673, E-mail: wisitex@giasdl01.vsnl.net.in |
| <ul style="list-style-type: none"> • EMV 2001 Augsburg Intl Exhibition with workshops on Electromagnetic Compatibility (EMC) | 13-15 March 2001 | Augsburg | MESAGO Messe & Kongress GmbH, Tanja Waglohner/ Petra Buss Ph: 0711-61946-72/38 Fax: 0711-61946-94 E-mail: waglohner@mesago.de/ buss@mesago.de |
| <ul style="list-style-type: none"> • Convergence India 2001 Exhibition and Conference | 21-23 March 2001 | New Delhi | Exhibitions India Pvt. Ltd. C-390 Defence Colony, New Delhi 110 024 Ph: +91-11 463 8680/81/82/83/84 Fax: +91-11-462 3320, 4633506 E-mail: exhibitionsindia@vsnl.com Website: http://www.exhibitionsindia.org |

APPENDIX

FORM FOR DATABASE OF EXPERTS/SPECIALISTS/CONSULTANTS

A Title/Rank

(Surname)

(First & Second name or initials)

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B. Date of Birth

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D. Membership Class & Number

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E. Contact address (With PIN Code) and Phone/Fax/E-mail etc.

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F. Tick (not more than three) the discipline under which your expertise falls & you will like to be listed in the Database.

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| 1. | Acoustics & Speech Processing | () |
| 2. | Agribelectronics | () |
| 3. | Avionics | () |
| 4. | Broadcast Engineering | () |
| 5. | Bioelectronics | () |
| 6. | Cognitive Sciences | () |
| 7. | Components, Packaging & Manufacturing | () |
| 8. | Computer Applications | () |
| 9. | Computer Science | () |
| 10. | Consumer Electronics | () |
| 11. | Control Engineering & Systems | () |

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| 12. | Convergence Technologies | () |
| 13. | Cryptology | () |
| 14. | Cybernetics & Internet Technologies | () |
| 15. | Cyber Security | () |
| 16. | Electromagnetics: Compatability Interference & Transients | () |
| 17. | Environment Electronics | () |
| 18. | E-Service Related Technologies | () |
| 19. | Imagery & Image Processing | () |
| 20. | Industrial Electronics | () |
| 21. | Instrumentation & Measurements | () |
| 22. | Information Warfare Technologies | () |
| 23. | Fuzzy Logic, Neural Networks and Artificial Intelligence | () |
| 24. | Lasers, Electro-optics & Photonics | () |
| 25. | Microwave Theory & Techniques | () |
| 26. | Material Source & Techniques | () |
| 27. | Medical Electronics | () |
| 28. | Microelectronics | () |
| 29. | Multilingual Technologies | () |
| 30. | Multimedia Technologies | () |
| 31. | Networking | () |
| 32. | Power Electronics | () |
| 33. | Quality & Reliability | () |
| 34. | Remote Sensing | () |
| 35. | Sensors & Transducers | () |
| 36. | Robotics & Automation | () |
| 37. | Software Engineering | () |
| 38. | Supercomputing & Parallel Processing | () |
| 39. | System Science | () |
| 40. | Telecommunication Management | () |
| 41. | Ultrasonics | () |
| 42. | Vehicular Electronics | () |
| 43. | Virtual Reality & Enhanced Reality | () |
| 44. | Web Technologies | () |
| 45. | Wireless Technologies | () |
| 46. | Any other speciality: please specify. | () |

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