



सह वीर्य करवावहे

IETE NEWSLETTER

Vol 2, No 6

November-December 2000

IETE wishes all members a very happy and prosperous New Year

FROM PRESIDENT'S DESK

It was a momentous year-end. Bangalore Centre was host to two great sons of India, Azim H Premji and Prof U R Rao, the former to receive Honorary Fellowship of the Institution and the latter as Chief Guest at the function. Noida was upgraded to a local centre and Tirupati centre dedicated at the feet of Balaji as the 41st offspring of the Institution. Bangalore intelligentsia gathered to debate a burning issue, "ICT (Information, Computers and Telecommunications) for the Media" under the aegis of the Apex Forum. Hyderabad illuminati brain-stormed the future of the CASET (Centre for Advanced Studies in Emerging Technologies) and released a CD, made locally, portraying the achievements of the Centre. These events left an indelible impression on me, underscoring what a great institution ours is, the goodwill it universally enjoys and how committed, hard-working and enterprising is the IETE Fraternity - the elders, the peers, the Council members, executive committee members of the centres, the budding generation *et al.* What pleased me most was the coverage by media, both print and electronic, of our multi-faceted activities. When a score is taken of our plusses and minuses last year, we undoubtedly can exult at the former, holding our heads high.

However, it would be impudent to rest on our laurels. New Year is the time to make resolutions, renew our commitments and look at the enormity of the tasks ahead. We have miles to go - a long way indeed. We have to enroll more corporate members, gain industry's confidence, obtain their active participation in our activities, give impetus to industry-oriented applied and policy research, focus

on emerging technologies, and take our non-formal academic agenda to the weaker sections of the society. Above all, we have to reach out to those who are on the other side of the divide, the economic divide, the literacy divide, the digital divide, the cyber divide and the gender divide. We have to action-forward the socially relevant and progressive programmes that we have voluntarily adopted, viz. Mass Computer Literacy Programme of the Government, Continuing Education Programme CEP 2010 of the AICTE, Web-based education, Employment Generation Training Scheme (EGTS) for SC/ST/OBCs initiated by the MIT, Norad Scheme of the Ministry of HRD for poor girls and many others. I am confident of active participation by our cadres, hurdles and problems notwithstanding.

The year ahead is going to bring greater challenges. We have set up a Board of Research under Prof A Kumar of the Indian Institute of Science as the Chairman. It will survey the technologies that are being requested abroad - proven or embryonic, develop industry requirements and matrix for evaluating, analyzing and assessing their relevance to the country; identify their impact - sociopolitical, socioeconomic, sociotechnological, initiate pilot projects, estimate timeliness, and resource commitments. We hope the Government, the industry, the business houses, the academia and the research establishment come forward and create corpus, establish research seats, identify projects, recommend scholars to conduct research and render help in other ways. We have some assurances to that effect from the MIT, the DRDO and the DST. We now look towards the industry and the business houses to take the lead.

The IETE Council, during its last meeting decided to

lend an all India character to an affiliate called CASET. We intend giving it a new bearing and thrust. Take for instance cyber security and cryptography. Some work has been done in these fields, though the effort is fragmented and somewhat incongruent. Now that the IT Bill has been passed which provides for appointment of certification authorities for the purpose of licensing, certifying and monitoring, the Controller to oversee the activities and regulation of Certifying Authorities is in position, and the law on electronic signatures enacted, there is a need for getting our act together. We have to contend with new ball game nations play of denials, of key escrow, of spying and intercepting. We have to create our own cryptographic solutions and ensure that their uniqueness is not compromised and the mechanisms for key dissemination are safe. There is no unified effort on emergency response to cyber or crypto attacks in the country, pious declarations of the Task Force on IT and SD notwithstanding. The IETE will be willing to partner any endeavour. We could create some kind of consortium and establish an MoU with Carnegie Mellon University to set up CERT and perhaps an initiative to bring

cryptographers and cryptanalysts under the same umbrella if not the same roof.

Mobile Internet, embracing WAP, GPRS, EDGE, Blue Tooth and other 3G technologies is another subject, which will bring new applications and new services and needs our attention. There are many, many more emergent fields, some totally neglected, that beckon us. Let us join hands to address them.

There is a Chinese saying that a long journey starts, but with the first step. We have taken the first step. Come and join us. It is the synergy between market and technology, between academia and technology, between industry and technology, between battlefield and technology that will make our step firm, lend strength and credence to our endeavours and make us realize our dreams.

I take this opportunity to wish all members of the IETE Fraternity and their families a happy New Year. May the Almighty bestow greater Glory to the Institution in the year ahead.

Maj Gen Yashwant Deva, AVSM (Retd)

NEWS FROM HEADQUARTERS

Conferment of Honorary Fellowship of IETE on Shri Azim H Premji

Maj Gen Yashwant Deva, AVSM (Retd), President IETE conferred Honorary Fellowship of IETE on Wipro Chairman Shri Azim Hasham Premji in a function organized at IETE Bangalore Centre on the 20th December 2000. Maj Gen Yashwant Deva in his address to an assemblage of technology savvy elite of Bangalore said, "Today I have the honour of being host to two distinguished personalities of India, Shri Azim H Premji, & Prof U R Rao". He said, that it is not only the riches that gives Shri Azim Hasham Premji the celebrity ranking, but also the sterling qualities of entrepreneurship, humane disposition and a progressive outlook that lend him the world acclaimed status. He sets an example of dedication, of personal involvement, of participatory management, of human networking that others find endemically irresistible to pursue. Premji's story is one of quiet determination and a systematic hardwork, so writes Business India. Unlike other tech moghuls, he is not a geek—just a hard-nosed businessman who happens to be in the tech business.

Maj Gen Deva said, "Whereas Shri Premji is a pragmatist, a karmayogi, Prof U R Rao, our Chief Guest, is a visionary, a gyanyogi". He further added, "I vividly recollect Prof U R Rao's thesis of demassification of "the second wave industrial society based on mass education, mass distribution, mass media and mass entertainment" and its replacement by "highly sophisticated knowledge centres, customized services, specialized production agencies and segmental niche markets."



Maj Gen Yashwant Deva, AVSM (Retd) conferring Honorary Fellowship on Wipro Chairman, Shri Azim H Premji

In his acceptance speech, Shri Premji said that the new millenium offers tremendous opportunities for India to become a major IT player in the global arena. It is important that we make the most of it. India's greatest competitive advantage in IT and software is the abundance, cost-effectiveness and high quality of human resources. Though this has given India a head start, a number of other countries including China, East Europe, Philippines, Thailand, Mexico among others are quickly catching up. Our only differential advantage will come from a large-scale movement to higher value-adding activities and doing projects offshore as end-to-end projects. He said that telecommunication would have to play a critical role, further adding that without high quality telecommunication backbone, it would be difficult to offer software facility to our overseas customers".

Earlier Brig K Balasubramaniam, the Vice-President of the IETE welcomed the Chief Guest and Shri Azim H Premji and the distinguished gathering. Dr S Pal, Distinguished Fellow of the Institution read the citation. The vote of thanks was proposed by Wg Cdr R Nagaraja Rao, Chairman, IETE Bangalore Centre.

6th Sir J C Bose Memorial Lecture

The sixth lecture in the memory of Sir Jagadish Chandra Bose was delivered by Dr P B Vidyasagar, Director, Bioinformatics Centre, University of Pune on the 30th November 2000 at the Delton Hall in New Delhi. The function was chaired by Maj Gen Yashwant Deva, AVSM (Retd), President IETE who introduced the speaker and the subject. Gp Capt H Kaushal, VSM (Retd), Council member welcomed the speaker and a select gathering of technology savvy professionals.

In his lecture, Dr Vidyasagar said that Sir J C Bose made significant contribution to understanding plant life and that continuing his work would be a tribute to the great Scientist. He highlighted various processes connected with photosynthesis and photo-sensing attributes of plants. He said mechanism adopted by plants could provide useful clues in developing advanced technologies of future.

Maj Gen K B Jhaldiyal, AVSM (Retd), the Secretary General IETE proposed a formal vote of thanks.

Upgradation of Noida Sub-Centre to Local Centre

Noida sub-centre was upgraded to a full-fledged local centre. A report on the seminar and anniversary function appears under the news from the Noida Centre.

Visit of IEEE President to IETE, New Delhi

On 23rd December 2000 Dr. Eisenstein visited IETE. Maj Gen K B Jhaldiyal, AVSM (Retd), Secretary General, IETE welcomed the Guest and Prof K K Aggarwal, Vice-President of the IETE apprised the guest of the activities of the Institution.



Prof K K Aggarwal presenting silver salver to Dr Bruce A Eisenstein, on his visit to the Institution of Electronics & Telecommunication Engineers

Dr. Eisenstein during his address to Council Members and office bearers of the IETE briefly touched upon the IEEE activities. He gave his views about industrial organizations becoming members of the IEEE and said that IEEE and IETE could have fruitful co-operation under the sister societies agreement.

IETE Sub-Centre at Tirupathi

The 41st centre of the IETE since the inception of the Institution and the first one of the millenium was dedicated at the feet of Balaji on the historic day of December 23, 2000. In the absence of Prof Kolakaluri Enoch, Vice-Chancellor, S V University, Tirupathi, lighting of the lamp ceremony heralding the birth of the new centre was performed by Dr Rao Ayyagari, Advisor, DST. On this occasion a seminar on Internet and e-Governance was also organized. Inaugurating the seminar, Dr Ayyagari said that the Central Government's intentions to effectively apply Internet and e-Governance for development of the country were made amply clear when it enacted the Information Technology Act 2000 and again, when it set up the centre for e-Governance. Maj Gen Yashwant Deva (Retd), President IETE presided over the function and delivered the key

Media Coverage, The Hindu, Sunday December 24, 2000

IETE to work for setting up research centre

By Our Special Correspondent

TIRUPATI, DEC. 23. Maj. Gen. Yashwant Deva (Retd.), president of the Indian Institute of Electronics and Telecommunication Engineers (IETE), New Delhi, has said that there has been encouraging response from the Ministry of Information Technology, DRDO, and DST for IETE's move to establish a research centre.

He struck a note of optimism that it would become a reality if the industry, business houses, academia and research establishments also come forward and create corpus, establish research seats, identify projects, recommend scholars to conduct research and render other required logistical facilities.

He was presiding over a function organised in the SV University here today to mark the inauguration of the IETE's Tirupati sub-centre. Maj. Gen. Deva said the IETE had lent an all-India character to an affiliate called, Centre for Advanced Studies in Emerging Technologies (CASET), and was keen on letting it focus its attention on emerging technologies — for instance cyber security and cryptography. He said the CASET's role would be significant in the context of passage of IT Bill,



Dr. Rao Ayyagari, Advisor, DST, New Delhi, addressing a seminar on Internet and e-Governance in Tirupati on Saturday. Maj. Gen. Yashwant Deva (Retd.) is also seen.

which provided for appointment of certification authorities for purpose of licencing, certifying and monitoring.

The Advisor to the DST, New Delhi, Dr. Rao Ayyagari, inaugurating a seminar on Internet and e-Governance, said that the Central Government's intentions to effectively apply Internet and e-Governance for an overall development of the country were made amply clear when it enacted the Information Technology Act, 2000, and also again when it set up the Centre for e-Governance. He said it was heartening that the State Governments also were matching the Centre's efforts in

this direction and complimented the pioneering role of AP in the field.

He pointed out that 19 out of 26 states had already announced their I-T Policy, while the rest had formed task forces to put their I-T policies in place.

Among the other participants were Maj. Gen. Prem Prakash (Retd.), Chairman of the Local Centres, IETE, Mr. K. Lakshminarayana, Chairman, IETE, Hyderabad Centre.

Dr. D. Narayana Rao, HOD of Physics, SVU, welcomed the delegates, while Dr. P. Narasimha Reddy proposed a vote of thanks.

note address. In his address he paid a wholesome tribute to Andhrites and said that under the dynamic *stewardship of the Chief Minister, they had "shown the path to rest of India on e-readiness, a term that encompasses the entire gamut of e-enabled services, e-governance and e-commerce etc".* He further added, "your contributions in human resource development and providing e-leadership are exceptional".

Amongst the distinguished audience were Shri M Madan Mohan, Distinguished Fellow of the IETE, sitting council members; Maj Gen Prem Prakash (Retd), Shri K Laxminarayana, Dr N M Parthasarathy Shri Babu Rao, Shri S Narayana and faculty members of S V University. Maj Gen Prem Prakash (Retd), Shri Laxminarayana and Dr D Narayana Rao addressed the gathering and Dr P Narasimha Reddy proposed the vote of thanks.

The event was widely publicized by the media. There was

extensive coverage on the TV, AIR and the newspapers both English and Telugu.

Apex Forum

A meeting of the IETE Apex Forum was held at Bangalore on the 20th December 2000. The meeting was presided over by Maj Gen Yashwant Deva, AVSM (Retd) President, IETE and discussion steered by Gp Capt H Kaushal, VSM, (Retd). The following topics were discussed:

- Internet telephony/ communication of voice over VSAT vis-a-vis the present system available.
- Creation of paperless print media.
- Most appropriate use of frequency spectrum and other resources.
- Desirability of programme monitoring/sensoring.

- Steps for the growth of media on the right lines.
- Full exploitation of Cable TV (and now DTH).
- What needs to be done to improve convergence and reduce costs
- Optimum utilization of radio, especially in view of new lease of life through FM channel.

Amongst the twenty-nine participants were past and present council members of the IETE, media personnel, R&D scientists, professionals from industry and Executive Committee members of the centre.

The vote of thanks was proposed by Wg Cdr R Nagaraja Rao (Retd), Chairman Bangalore Centre.

NEWS FROM THE LOCAL CENTRES

Ahmedabad

IETE Ahmedabad Centre organised a technical lecture on "e-Governance" on 22nd December 2000. Shri Nilamani Mohanty, Chairman of the Centre welcomed and introduced the speaker Ms Nitaben Shah, DGM, Gujarat Informatics Ltd., Gandhinagar. She talked on the importance of e-Governance in the present competitive environment of the country. The lecture concluded with vote of thanks by Shri J P Shivhare, Hony Secretary of Ahmedabad Centre.

Bangalore

The following important activities were conducted by the Bangalore Centre:

- A lecture on "Electronics Engineering Education & Technology" by Cdr Sampath Desai, Head Signal Processing of Spectrum Infotech Pvt. Ltd on 15th Oct 2000.
- Distribution of certificates to the participants of short-term courses at a valedictory function.
- A condolence meeting in the memory of Late Shri P Kailasnath, Past Chairman, IETE Bangalore Centre on 29th Oct 2000, which resolved to organize a Memorial Lecture every year on the 15th of October 2000 in his honour. The President IETE during his subsequent visit to Bangalore called on the family to express condolences on behalf of the entire IETE fraternity.
- A technical lecture on "Photonic Switching" by Dr P N Choudhry, Former Member, Technology, Telecom Board, Govt. of India on the 15th October 2000.

- Practical demonstrations were given on microprocessors and DSP trainer kit for the benefit of the students during the month of October 2000.

Calcutta

IETE Calcutta Centre and the West Bengal Academy of Science & Technology (WAST) jointly organized a seminar on "Information Technology and Electronics in the coming Decade" on the 25th November 2000. Eminent speakers who participated in the seminar were; Prof A N Basu, Vice-Chancellor Jadavpur University, Prof A K Barua, President WAST, Prof D N Bose of IIT Kharagpur, and Prof P Pal Choudhury, founder of the New School of Information Technology, BE College, Deemed University, Howrah. They highlighted the importance of IT and the need to establish information infrastructure. The seminar was spread over two technical sessions. Prof H Saha, Vice-Chairman, IETE Calcutta centre proposed the vote of thanks.

Cochin

As part of the Professional Development Programme, Cochin Centre arranged a lecture on "DSL" by Lt Cdr C Venkiteswar of the Signal School, Southern Naval Command, Cochin on 25th Sept 2000.

A zonal seminar on "Convergence of Information, Communication and Entertainment 2001" is proposed to be conducted on the 22nd February 2001 at Cochin.

Dehra Dun

A large number of IETE members of Dehra Dun region attended a lecture "Recent Trends in Technology and applications of Remote Sensing" by Dr P S Roy, Dean, Indian Institute of Remote Sensing, Dehra Dun.

Hyderabad

The Centre organised the following activities:

- A valedictory function of 8-week short-term course: "Internet & Java programming" on 4th Oct, 2000. On this occasion Chief Guest Shri N V A Ramarao, Principal General Manager (Operations), A P Telecom distributed the certificates to the participants.
- A Lecture on "Measurement and Importance of Calibration" was conducted for AMIETE students on 11th Nov, 2000 by Shri D Bhanu Murthy, Scientist 'E' DLRL.
- The 3rd Prof K K Nair Memorial Lecture was delivered by

Dr Surendra Pal on "Space Technology for Surface Transport Management" on 24th November, 2000.

- Dr Surendra Pal was felicitated on his election as Distinguished Fellow of IETE in a function organised by IETE Hyderabad Centre. Shri K Laxminarayana, Chairman, IETE Hyderabad Centre presided over the function.
- The 6th M Madan Mohan Endowment Lecture was delivered by Shri P S Deodhar, Chairman, CEO APLAB Ltd, Thane on "IT Dreams and Reality" on 14th December, 2000. Shri M Madan Mohan, Distinguished Fellow, IETE was felicitated in a function.
- A lecture on 30th December 2000, on "Wireless in the Access Segment" by Shri Yarlagadda Sarat, RF Engineer, Systems Integration & Test, AT&T Wireless Services.
- The IETE Hyderabad Centre has developed a multimedia lab under IETE Resource Centre. The Centre has taken a giant step towards creation of CD based contents for CBT's. As a first venture a CD on IETE Hyderabad Centre was created with the in-house resources. The President IETE released the CD at a function organised by Hyderabad Centre on the 26th December 2000.



Shri K Laxminarayana, Chairman, Hyderabad Centre presenting a CD made at IETE Centre Hyderabad to Maj Gen Yashwant Deva, AVSM (Retd), President of the IETE.

- In its effort to bring industries, educational institutions and professionals on to a common platform for the development of electronics and IT, Hyderabad Centre has started a programme to help small-scale industries in solving their problems by extending help of experts. A Director (R&D) has been appointed to co-ordinate between industries & experts. The venture has started with positive response and is expected to grow-up

further for the benefit of industry. It will also give credence to IETE activities in furthering electronics & telecommunications. The President IETE was shown this R&D facility and briefed. He commended the centre for the sheer novelty of their effort.

Gwalior

IETE Gwalior Sub-Centre organised a series of lectures on Engineer's Day at DRDE auditorium on 17th Sept, 2000. The topics were "Growth of Technical Education in India" and "Leadership", and "Internet and its Application".

Mumbai

The centre conducted the following technical lectures:

- Security of Credit Cards, Debit Cards & ATM Cards by Shri P Moharana, GM Systems, Tata Finance Ltd. and Prof (Dr) P J Joglekar, Consultant in Electronics.
- Multi-Media Satellite Communication by Shri K G Matapurkar, Dy Dir General, Telecom Engg. Centre.
- Internet Security by Prof Siva Kumar, Computer Science & Engineering Dept, IIT Bombay.
- One day seminar on 'Electronics in Automobile'.

Noida

A seminar on 'Mobile Internet' was organized on the occasion of upgradation and third anniversary of Noida Centre on 8th Dec, 2000. Lt Col I M Chhabra, (Retd) Chairman, IETE Centre delivered the welcome address. The seminar was inaugurated by Mrs Sumita Kandpal, IAS, Chairperson of Noida. In her inaugural address she said Noida is shortly going to be a 'Smart City' where the common man will be able to get all relevant information from both the Authority and the Administration on the Internet. The function was presided over by the President of the IETE, Maj Gen Yashwant Deva, AVSM (Retd). The key-note address was delivered by Shri N R Mokhariwale, Member (Services) Telecom Commission. He said that mobile Internet would have an impact on telecommunication business and every organization that wants to transact business. Wireless mobile Internet users will outnumber wired Internet users over the next two years. DoT is aware of the fast changing scenario and is looking into the issues like - licensing, frequency spectrum utilization etc. The large distinguished gathering present included Prof Yash Pal, the Honorary Fellow, IETE Past President Brig S V S Chowdhury (Retd), Council Member and the Immediate Past President Dr H S Sharma, other Council Members Maj Gen

Prem Prakash, Shri P N Chopra, Shri Harsh Vardhan, Dr M L Bala, Defence Services officers, Officers of the Civil Services, delegates from ER&DCI Noida, ESCOTEL, HCL, Ericsson, Shyam ACeS and the media.

Speaking on the occasion Maj Gen Yashwant Deva, AVSM (Retd) President IETE said, "Together we have nourished a vision for the IETE. An ambitious agenda has been worked out to that end. Growth of the Institution is obviously its main plank on which the edifice is to be built." He further added, "the determination, the enthusiasm, the vigour and the camaraderie that you have displayed over the short period of existence are truly infectious and exemplary".

A vote of thanks was proposed by Shri H O Agrawal, Co-ordinator at the end of the inaugural session.

The inaugural session was followed by two technical sessions.

The first session was chaired by Maj Gen Yashwant Deva, AVSM (Retd), the President of the IETE. Four papers presented were; 3G Overview by Shri Rahul Kaul of HCL, WAP - Ahead of Time by Shri Sharad Arora of ESCOTEL, GPRS by Shri Anurag Shukla of Ericsson and Defence Perspective by Lt Gen K S Sethi, PVSM, AVSM (Retd) of PSI Net Consulting Solutions.

Dr H S Sharma, Council Member and Immediate Past President of the IETE chaired the second technical session. Four papers were presented in this session also. They were Legal Aspects by Shri Raj Adhupia, Global Mobile Personal Communication by Brig C K Verma of Shyam AceS, GSM-CDMA by Col Pramod Kapoor of SPCNL and Opportunities for Software Development by Shri V N Shukla of ER&DCI, Noida.

The function was conducted by Brig Laxman Singh (Retd), Vice Chairman, IETE Noida Centre in an excellent manner. The Seminar ended with a vote of thanks by Shri Anil Bhushan, Vice-Chairman, IETE Noida Centre.

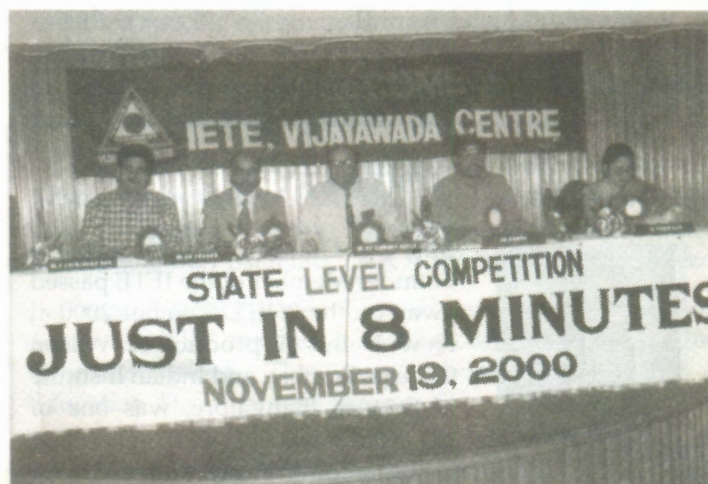
Pilani

The IETE Pilani Centre arranged a workshop on "Need of Information Technology" for the teachers involved in computer and IT field during 21-24 October, 2000. Lectures were delivered by experts in this field.

The Centre has prepared five technical notes; Antenna Gain & Polarization by Dr P S Bhatnagar, Basic Operation of TWT and Its Application by Shri R K Gupta, Hybrid Microwave Circuits by Dr H C Pandey, Materials & Process for IC Fabrication by Dr R K Nahar.

Vijayawada

Vijayawada centre coordinated a State Level Contest entitled "Just in 8 Minutes" on 19th Nov, 2000 involving selection of a topic by a student from 50 topics (announced earlier) and delivering an impromptu talk for 8 minutes. Participants were from different Engineering Colleges. The aim of the event was to emphasize the momentousness of communication skills. 31 teams participated.



A view of the dias in impromptu communication skill contest

Technical books were presented to three winners in the following order of merit: Shri Nageswara Rao, Ms V G Subhashini and Shri V Eswar Kalyan. Also certificates were presented to all participants.

The new telephone number of Vijayawada Centre is 0866-434104

Visakhapatnam

Foundation stone of the IETE Visakhapatnam Centre building was laid by Prof R Radhakrishna, Vice-Chancellor of Andhra University adjacent to ECE Department of the A U Engineering College. Welcoming the gathering Rear Admiral S Mohapatra, Chairman IETE Local Centre and Director, NSTL informed the gathering about the newly acquired full-fledged status of the centre that started as a sub-centre in 1987.

IETE Students Forum (ISF) Activity

IETE Students Forum were inaugurated at the following Institutes in Mumbai: St Xavier's Technical Institute, Mahim

on Sept 08, 2000 and Watumull Institute, Worli on Sept 25, 2000. Prof Sunita Sharma, Convener ISF, welcomed the Guests. Inaugural speech was delivered by Prof S S S P Rao Chairman, IETE Mumbai Centre.

Congratulations

The IETE fraternity congratulates Dr. V K Aatre, Scientific Adviser to the Raksha Mantri and the scientists community of the DRDO for successful flight testing of LCA and Agni II.

OBITUARY



Shri G D Gokarn, who was a Fellow Founder Member of the IETE passed away on the 26th December 2000 at New Delhi. A product of Wilson College, Bombay and Indian Institute of Science, Bangalore, was one of the pioneers of the Overseas Communication Service (now VSNL).

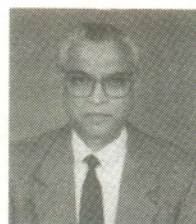
He was appointed Vice Chairman of the Commonwealth Communication Board (UK) and Adviser to the Indian High Commission in London in 1964. Thereafter, he was appointed as expert and Adviser to the International Telecommunication Union in Geneva and was responsible for the Africanisation of communications of Lesotho, Botswana, Zambia and Swaziland for which he was awarded the United Nations Peace Medal in 1971. On his return to India in 1977, he was appointed Member (Technical) of the Union Public Service Commission.

In his condolence message to Lt Gen Prakash Gokarn, PVSM, AVSM the Signal Officer-in-Chief and Colonel Commandant Corps of Signals, the President IETE described Shri G D Gokarn as "a pillar on which the edifice of the Institution was built and an icon whose service to the nation and the engineering profession is an example for the generations to come".

Addendum

Under Obituary (p 8) of the Sept-Oct 2000 issue of IETE Newsletter, we would like to affix the membership no. Fellow-031934 of ex VSNL, late Shri M G Kulkarni.

ACHIEVEMENTS AND APPOINTMENTS



Shri K N Gupta has been appointed the first Controller of Certifying Authorities. Shri Gupta has long experience in the field of Telecommunication, Research & Development. He has contributed to Indian Rural Telecommunication as Head of the Centre for development of telematics.

Shri Dilip Sahay, Fellow Member of the IETE and a sitting Council Member has been elevated to the post of Advisor (Operations) DoT.

Prof B B Chaudhuri (FIETE), Head of the Computer Vision and Pattern Recognition Unit of Indian Statistical Institute, Calcutta has been elected to a Fellow of IEEE.

Shri T H Chowdary, Distinguished Fellow and Former President of the IETE was felicitated as one of the five Engineering Personalities of the Year by the 15th Engineering Congress of the Institution of Engineers in Hyderabad on 19th December, 2000.

FORUM

Adoption of Indian Languages by IETE

A lot of technical literature on relevant subjects is available in English but it cannot reach the common Indian because 85% Indians are English-illiterate. It is imperative that a bridge is built at the national level so that the relevant technical know-how available in English reaches the common man in his own language. If necessary steps are not taken well in time, the digital divide will deepen.

Being a national Institution, it is the responsibility of the IETE to contribute its mite to reduce this divide. IETE has taken the right steps to adopt Indian languages. However, let us not lose time in implementing the decision to adopt the Indian language in various facets of our activity. Let us surge forward with cooperation from all as enunciated in our motto सह वीर्यं करवावहै. Let IETE lead the common man to help India touch the sky with glory.

Wg Cdr (Dr) M L Bala

POLICY INITIATIVES

Convergence Bill

A Convergence Bill is proposed for enactment by the Parliament. The passage of the bill involves repeal of at least 5 laws and also covers certain aspects of the Information Technology Act 2000 that are administered by the telecom, IT and broadcasting ministries.

The cornerstone of the proposed bill is setting up of an independent body – Communications Commission of India (CCI). Also, the bill proposes the formation of a Communications Appellate Tribunal that will be vested with judicial powers similar to that of a civil court. This body will specifically handle all disputes, litigation and can impose stiff penalties of upto Rs 5 crores on violators.

The Telecom Regulatory Authority of India has made recommendations regarding the new Public Mobile Radio Trunking Services (PMRTS) licenses such as reduction of license fees, enlarging service areas, limited PSTN connectivity and usage of spectrum efficient digital technology.

Wealth generation areas identified

The Prime Minister's task force, headed by Deputy Chairman of Planning Commission Shri K C Pant has identified nine new areas for wealth generation including Infotech, Communications, Biotechnology, Tele-medicine, Tele-education, Native knowledge products, Services, Infotainment, Conventional and Non-conventional energy.

In its bid to chart out a course for establishing a knowledge super-power, the high-powered panel has identified specific reform measures in the education sector to ensure availability of over three million graduates who are fully equipped to exploit full potential in the newly-identified focus areas for wealth creation.

The panel with 13 members include Principal Scientific Adviser to the Govt of India Dr A P J Abdul Kalam, Infosys Chief Narayana Murthy, Biotechnology Secretary Manu Sharma and S&T Secretary Dr R A Mashelkar among others.

Prime Ministerial panel has advised setting up a large number of NIIT and Indian Institute of Management (IIM) type institutions. They also advised establishing of Education Development Finance Corporation in order to support those in need of funds for taking up specialized courses in quality educational institutions at affordable costs.

The Task Force also sought to include web-based education at universities.

A book entitled "Secure or Perish" by Maj Gen Yashwant Deva, AVSM (Retd) based on a project "Emerging Global and National Information Infrastructure and Their Security Implications: An Analysis" conducted by him with the USI under Prof D S Kothari, DRDO chair has come out of the press. Copies are available with the publisher M/s Ocean Book (P) Ltd, 4/19, Asaf Ali Road, New Delhi 110 002, the United Service Institution of India (USI), Rao Tula Marg, Vasant Vihar, New Delhi 110 057 and the author. Price: Rs. 400/-.

CALL FOR PAPERS

IETE 32nd MID-TERM SYMPOSIUM on e-convergence and

28th Vikram Sarabhai Memorial Lecture
7-8 April 2001

Venue :

Convention Hall, Hotel Holiday Home, Shimla-171 001

Paper submission deadline : 7th March 2001

NOTICE

Reimbursement of IETE Corporate Membership subscription by Govt Deptts

Membership/Fellowship of subscription of the IETE is reimbursed by the following Government Departments as per the following details.

DoT, Govt of India	Annual membership fee upto 90% for Officer of JAG and above ITS Group 'A'.	Sanction No. 01-60/92-LP dt 16.7.98
DG, Doordarshan	Annual membership fee upto 90% for Engineers, officers of Doordarshan who have put in at least five years service in IBES cadre in Doordarshan.	Sanction budget grant head-2221-A B'casting A.2(1)Direction & Admn. A.2(1)(13) PPSS.
Ministry of Railways	Life as well as annual membership fee upto 90% for Officer of JA grade and above.	No.E(G)83FEI-4 dt. 29.4.1988
DRDO, Ministry of Defence	IETE corporate members continue to get their reimbursement of subscription upto allowances of Rs 5000/- annually.	Letter no.DSTR/70300/99-2000/GEN/RD-25(E) dated 06 Aug 99
CSIR	IETE Corporate members annual fee Sanction amount of Rs 200/- only	Letter No. 9(156)/87.E-III dated 29 May 2000 – budget head P07208(e)
DoE (MIT)	Annual subscription fee upto 90% for S & T Officers	Letter No.6(3)/89-D.I (Vol.I) dt 28.10.91

Members belonging to above Govt Departments are advised to claim their re-imbursement as above.

Maj Gen K B Jhaldiyal, AVSM (Retd)
Secretary General

Attention: LIFE MEMBERS – IETE

GRANT OF CHARTER

On the recommendations of the Council of the IETE, the Special General Meeting held on 29 Sep 2000 at New Delhi have approved the new Byelaw for issue of Charter to Life Fellows with 5 years membership and Life Members with 10 years membership.

Byelaw 86 on the issue of Grant of Charter is reproduced below:

Byelaw 86:**Grant of Charter**

Every practising engineer who is a Life Fellow of the Institution and has completed a minimum of five years as a Fellow or Life Member who has completed a minimum of 10 years as a member, is eligible to apply to describe himself as a Chartered Engineer and in using that description after his name as C Eng(IETE), it shall be placed before the designation of the class in the Institution to which he belongs, namely FIETE, MIETE. The eligibility will be examined by Council of IETE or a Committee as appointed by the Council. The fee for grant of Charter Status will be decided by the Council of IETE from time to time.

- Notwithstanding anything contained in this Byelaw a person shall cease to have any right to designate himself as a Chartered Engineer in case he ceases to be a Fellow or Member of the Institution for any reason whatsoever.
- A Fellow or Member practising in partnership with any person who is not a Fellow or Member, under the title of a firm shall not use or permit to be used after the title of such firm the designation Chartered Engineer or Chartered Engineers, or describe or permit the description of such firm in any way as Chartered Engineers.

A register will be maintained in respect of such Chartered Engineers.

Eligible Fellows/Members may apply for issue of Charter in the prescribed application form given in this Newsletter, along with the fee of Rs 500/- payable by Draft in favour of IETE, New Delhi.

Maj Gen K B Jhaldiyal, AVSM (Retd)
Secretary General



Phone: 011-4631810/20/30/40/50 Fax: 011-4631810; 4649429

E-Mail: ietend@iasd101.vsnl.net.in

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS
2, Institutional Area, Lodi Road, New Delhi 110003

APPLICATION FORM FOR GRANT OF CHARTERED ENGINEER, C. Eng (IETE)

The Secretary General
IETE
2, Institutional Area,
Lodi Road,
New Delhi 110003

Sir,

.....Life Fellow/Member IETE wish to apply for Grant
of Chartered Engineer (C Eng (IETE)).

My particulars are as follows:

1. Name.....
(IN CAPITALS) (SURNAME) (FIRST) (MIDDLE)
2. Class & Life Membership No.....
3. Present class of Membership from.....
(Date/Year)
4. Qualifications: Academic/Professional
5. Employment:
(Please give brief resume of Professional experience of last ten years with present status in Organisation/Departments)

Signature

6. I am enclosing herewith the Demand Draft No.....for Rs 500/- dated.....in favour
of IETE, New Delhi is enclosed.

CALENDAR OF EVENTS

Subject	Date	Venue	Contact
• Converging Technologies	7-8 Feb 2001	MCTE, Mhow	Brig R S Chhatwal, Chairman, IETE Mhow Sub-Centre, Faculty of Communication Engg, MCTE, Mhow- 453441 (MP)
• Seminar on Convergence of Information, Communication and Entertainment-2001	22-24 Feb 2001	Cochin	The Chairman, IETE Cochin Centre, 2nd Floor, Petriz Bldg, 28/3326-A, S A Road, Kadavanthra, Kochi-682 020, Ph: 91 484 324441
• 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
• Convergence India 2001	21-23 March 2001	New Delhi	Exhibitions India Pvt. Ltd Exhibition and Conference C-390, Defence Colony, New Delhi-110 024 Ph.: +91-11-463 8680/81/82/83/84 Fax: +91-11-462 3320, 4633506 Email: exhibitionsindia@vsnl.com Website: http://www.exhibitionsindia.org
• International Workshop on Technology Development in Indian Languages (IWTDIL-2001)	26-30 March 2001	Calcutta	Convenor, IWTDIL 2001 Computer Vision & Pattern Recognition Unit, Indian Statistical Institute, 203, BT Road Calcutta 700 035, Ph: 91 33 578-1832 Fax: 91 33 577-3035/6680; E-mail: cvpr@isical.ac.in
• 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
• 32nd IETE Mid-Term Symposium on 'e-convergence' & 28th Vikram Sarabhai Memorial Lecture	7-8 April 2001	Shimla	Shri V K Upadhyay Chairman, IETE Shimla Sub-Centre Superintending Engineer, All India Radio, Choura Maidan, Shimla-171 004 Tele: (O) 0177 211 355, (R) 0177 230 789 Fax: 0177 204400, E-mail: ietesml@rediffmail.com OR Wg Cdr D N Misra, Chairman IETE Chandigarh Centre, IETE Bldg, Sec-30-B, Chandigarh- 160 020 Ph: (O) 0172 657333, 651061, Telefax: 0172 657 333 E-mail: chairman_iotechd@yahoo.com
• International Radar Symposium India-2001 (IRSI-2001)	11-14 Dec 2001	Bangalore	Shri D Rajagopal, IRSI- Secretariat, P O Box No. 9339, C V Raman Nagar, Bangalore- 560 093 Ph: 91-80- 524 1666, 91 80 333 1133 Fax: 91 80 524 2860, 3337231 E-mail: irsi@Irde.ernet.in, ietebgl@bgl.vsnl.net.in

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

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