



सह वीर्यं करवावहै

IETE

NEWSLETTER

Vol 1, No 2

September-October 1999

FROM PRESIDENT'S DESK

With 45th Annual General Meeting and 42nd Annual Technical Convention held on 24 Sep and 25-26 Sep 99 respectively, IETE has bid farewell to this millennium. This was also the occasion to announce the arrival of new millennium. The dawn of Twentieth Century was heralded by the discovery of **Electron** and **Radio Waves**. The dawn of 21st Century is coinciding with the emergence of **Internet** and **Genome**. Twentieth Century made its debt by harnessing the power of Electron to make our World a global village and heralded the birth of the **society of knowledge workers**. Twenty-first century will have to harness all the gifts of earlier centuries and give rise to the world of wisdom. Wisdom to distinguish between useful and harmful so that technology can serve as the tool of bringing peace and joy to the people.



Existence is total. Seen and unseen are the part of the same existence. In the material existence, electron and electromagnetic radiation have a very specific role and place. Hence, Electronics, Telecom, Computer, IT, Scientists and Engineers and all those dealing with these subjects have a very specific role in the study of existence.

While we invite all our scientists and engineers to look into the tools for the new age, we dedicate the first year of new millennium, the Twenty-first Century, to e-commerce, e-governance, e-activity i.e. the age of activity on e-domain.

We also welcome the setting up of new Ministry of Information Technology and all the steps taken by the Govt to rationalise the working of departments dealing with information technology and manpower development for the new millennium.

Cdr (Dr) H S Sharma, IN (Retd)

NEWS FROM HEADQUARTERS

The 42nd Annual Technical Convention of the IETE was organised by the Delhi centre during its silver jubilee Year on 25-26 Sept 1999 at Hotel Taj Palace, New Delhi. In view of the present scenario in the country and the development of Information Technology especially with the objective of its use as a vehicle for the social and economic growth of the country, the theme of the convention was chosen as "**IT for Socio Economic Development**". The Convention was preceeded by a tutorial conducted at the Delhi Centre, Janakpuri.

The Convention was inaugurated by the Chief Guest Shri K C Pant, Deputy Chairman, Planning Commission, Govt. of India. The function started with the invocation followed by the welcome address, an over-view of the Technical Convention, Announcement of the President's re-election, Presidential address, Announcement of honouring Dr R Chidambaram, Chairman Atomic Energy Commission and Secretary to the Govt. of India as an Honorary Fellow of the Institution. Distinguished Fellowship of the Institution to Dr R P Shenoy, an eminent Scientist and Engineer of world repute was conferred. After lighting the ceremonial lamp, the Chief Guest, addressed the gathering. In his inaugural address Dr Pant stressed upon the need to develop the Information Technology in the country to a level where it can be served as a tool for bringing about social change and for improving the quality of life of common people. He felt that organisations like IETE can make a vital contribution in this direction and congratulated IETE for it's

role in this field. He released the Souvenir and the Technology Special Issue of IETE Technical Review. Mementos were presented to the honourable guests.

The 31st Bhabha Memorial Lecture of the year was delivered by Dr P S Goel, Director, ISRO Satellite Centre Bangalore on, 'IT, Space and the Society'. He stressed on the role of IT and Space to reach the villages of India. He briefly reviewed the efforts made from space to achieve this objective. After the Bhabha Memorial lecture various awards were presented.

This year Bangalore Centre has again been adjudged as the Best Centre for the year 1998-99 and Nagpur Sub-Centre has won once again the Best Sub-Centre Award. Delhi Centre bagged special award for the overall professional activities.

Roopali Garg, a third year student of Punjab Engineering College, Chandigarh won the First prize for her presentation on "Line Code for Optical Fiber Communication Systems" while the Second prize was bagged by Bhupesh Chawla and Amit Saini, students of S J P Institute of Engineering and Technology, Radaur for their presentation on "Mixed Analog-Digital Fuzzy Logic Controller" in the 7th IETE-National Technical Paper Contest '99.

The technical sessions for this convention were divided into six sessions and a panel discussion. The panel discussion was chaired by Shri Ravindra Gupta, Secretary, DOE. The other distinguished panalists were Dr H S Sharma, Prof R K Arora, Prof P V Indiresan, Shri Y L Agarwal, Shri V K Agarwal, Dr P P Gupta, and Dr A K Chakraborty. Since all the Chairmen of the various sessions were on the panel, the discussions were very lively on the future vision and on the course of the action to be followed.

The six technical sessions were spread over two days i.e. on 25th and 26th September. These included sessions on 'IT and

Society'; 'IT and Commerce'; 'IT for Socio-Economic Development'; 'Technologies and Spectrum Requirement for Services' and 'Vision and Policy Initiatives'. The first session 'IT and Society' focussed on the issues involved on harnessing the information technology for poverty alleviation and economic development. The use of IT in areas such as remote sensing, social forestry, preventive health etc for the benefit of society was also emphasized.

The second session on 'IT and Commerce' dealt with a secure protocol based on IT to effect on-line transfer of shares; a new concept of digital name for every citizen and of the re-engineering of the whole business process through IT so as to adjust the changing environment.

The third session viz. 'IT for Socio-Economic Development' had a number of interesting papers which included passenger reservation systems, use of the railway optical fibre for wayside internet kiosks, satellite based information technology and about a pilot project which ER&DCI Noida is doing for the administration of Gautam Budh Nagar District.

The fourth session was on the impact of 'IT on Socio-economic development' and touched upon subjects like 'IT and Legal Issues', 'Cyber Kiosks using GSM', 'Impact of IT on Mordern War' and other impacts of IT on industry, economy, social life etc.

The fifth session on 'Technologies and Spectrum requirement for Services' dealt with complexities of Spectrum Management in futuristic scenario, and also with the technologies and spectrum requirements. It also dealt with the subject of opto-electronic technology with special emphasis on its role on IT and link connectivity assessment based application for mobile adhoc networks.

The last session was devoted to 'Vision and Policy Initiatives' in which the use of Information Technology in areas like, education for all in the new millennium, security of global



Shri K C Pant releasing the souvenir at the 42nd Annual Technical Convention. Seen are Prof H M Gupta, AVM Atma Singh, VSM (Retd) and Dr H S Sharma



A view of the audience at the 42nd Annual Technical Convention

and national infrastructures and third generation of mobile communication systems was discussed and elaborated upon.

Before the start of the second day's technical session, the 22nd Ram Lal Wadhwa Award Lecture was delivered by Dr O P Nijhawan of the Instruments Research and Development Establishment, Dehradun. The subject of the paper was "Recent Advances in Opto-electronics-The Indian Scene".

The Convention, which on the whole was a great success ended with the panel discussion, presentation of mementos and vote of thanks.

NEW OFFICE BEARERS OF THE COUNCIL

Vice-Presidents

Shri U V Warlu
Maj Gen Prem Prakash
Dr V P Kulkarni

Treasurer

Wg Cdr(Dr) M L Bala

Committee Chairs

Finance & Policy Planning Committee (FPPC)

Dr H S Sharma -Chairman
Prof R K Arora -Co-Chairman

Academic & Distance Education Committee(ADEC)

Prof S C Dutta Roy -Chairman
Prof K K Aggarwal -Co-Chairman

Technical Programmes Committee (TPC)

Shri P N Chopra -Chairman
Shri K N Gupta -Co-Chairman

Membership & Local Centres Committee (MLCC)

Maj Gen Vinod Krishna, AVSM (R) -Chairman
Shri K Babu Rao -Co-Chairman

Publications Committee (PUB)

Prof V Sinha -Chairman
Maj Gen Yashwant Deva, AVSM (R) -Co-Chairman

National Policies Advisory Committee (NPAC)

Wg Cdr CPK Menon, VSM(R) -Chairman
Lt Gen A K Agarwal, PVSM (R) -Co-Chairman

Awards Committee (AWARDS)

Prof K K Bhutani -Chairman
Prof (Ms) Anita G Dandekar -Co-Chairman

Information Technology & Computer Education Committee (IT & CE)

Prof K K Biswas -Chairman
Ms M Kousalya -Co-Chairman

Industrial Co-ordination Committee (ICC)

Dr S S Agrawal -Chairman
Dr (Mrs) Sneh Mohan -Co-Chairman

Infrastructure & Resource Generation Committee (IRGC)

Prof H M Gupta -Chairman
Maj Gen D P Sehgal -Co-Chairman

President's Advisory Committee (PAC)

Dr H S Sharma -Chairman

NEWS FROM THE LOCAL CENTRES

Bangalore

On 15/9/99 Engineers day was celebrated by arranging a lecture on 'Trends in Telecommunication' by Dr C Rao Kasarabada, Group Chairman, UTL Group of Companies. Valedictory function of NORAD 98-99 was also held where Dr C Rao distributed the prizes for the rank holders and certificates to the successful candidates. Dr M H Kori, Chairman, IETE Bangalore Centre presided over the function. Shri D Rajagopal, Hony Secretary, proposed vote of thanks.

Dr Kori inaugurated short-term intensive course like Computer Networks, Digital Signal Processing, VLSI Design, Microprocessors & Microcontrollers, MS Office & Visual C++ on 19/9/99. Details of other technical lectures held at the centre are as follows:

19/9/99

- Introduction to Computer Networks by Prof C Murali
- Complex variables analysis as applied to DSP by Shri J Paramashivan



Dr C Rao Kasarabada distributing the certificates to NORAD students

- VLSI Technology Overview by Shri D V Poornaiah
- Digital Fundamentals by Prof S Jagannathan
- Introduction to computers by Dr M H Kori

26/9/99

- Basic Concepts and switching techniques by Prof C Murali
- Z Transforms and FFT by Shri J Paramashivan
- Introduction to Microprocessor by Prof S Jagannathan
- Introduction to C++ by Shri Anand

Bhubaneswar

The seminar on "IT Convergence & Digital Revolution" was jointly organised by the Centre; Deptt of Telecom, Orissa Circle; Orissa Information Technology Society and Information Technology Association of Orissa on 27th August, 1999.

Shri H V Meht, Chief General Manager, Orissa Telecom, presided over the function. Keynote address was by Prof S P Mishra, President, Orissa Technology Society. The different papers presented by the dignitaries are as follows:

- 'Role of Government for Digital Revolution' by Shri Manas Patnaik, Director, STPI, Bhubaneswar
- 'IT Convergence- Sharing a Vision' by Shri P C Sahu, General Manager (Dev.), Orissa Telecom. and Chairman, IETE Bhubaneswar
- 'Radio Communication Through Satellite' by Shri R C Chowdhury, S E Technical, AIR, Cuttack

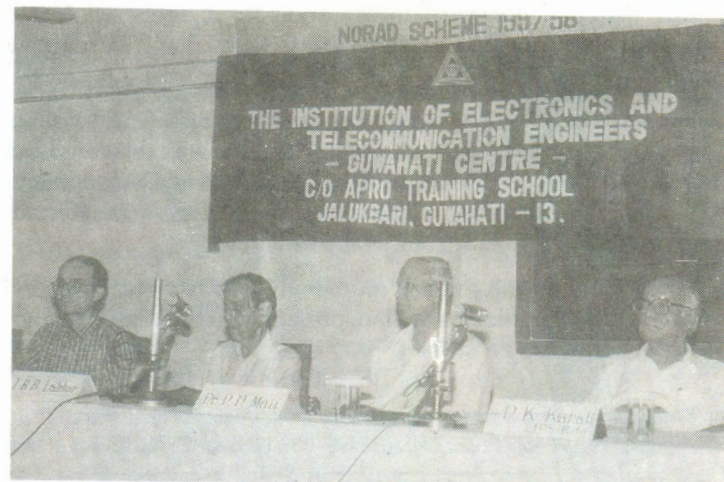
The Vote of thanks was proposed by Shri P K Hota, Director (Hqrs), Orissa Telecom and Secretary, IETE Bhubaneswar.

Guwahati

● A six day course on 'Entrepreneurship Development Programme (EDP)' was organised in an extremely professional and efficient manner for the NORAD trainees of IETE, Guwahati Centre to benefit them in securing meaningful self employment after completion of the training. The Course was organised by the Rotary Club of Guwahati South and inaugurated by Rtn Mrs Gayatri Bhattacharya, President of the club on 2-8-99. Ms S B Baruah and Shri J C Kalita senior faculty members of the Indian Institute of Entrepreneurship, Basistha Chari, Guwahati conducted the EDP course.

Certificates to the participants were given by Dr D D Mali, Director Indian Institute of Entrepreneurship in the valedictory function held on 7/8/99.

● The Valedictory function of the NORAD Scheme, 1997-98 of IETE, Guwahati Centre was held on 7/10/99 under the presidentship of Shri P M Dastidar, Chairman, IETE, Guwahati Centre. Dr D D Mali, Director, Indian Institute of Entrepreneurship, Guwahati graced the function as the Chief Guest and presented the certificates to the successful NORAD



Valedictory Function of "Entrepreneurship Development Programme" at Guwahati on 7-8-99. Seated from L to R are: Shri P Saikia, Hony Secretary, Col T B B Lahkar (Retd) Senior Corporate Member, Dr D D Mali, Director, Indian Institute of Entrepreneurship and Rtn Shri D K Kakati, IPS (Retd)

trainees. In his presidential address, Shri P M Dastidar, expressed his happiness at the satisfactory completion of the NORAD Scheme, 1997-98 and stated that such socially relevant educational training programmes will have positive impact in the upliftment of the needy women of the NE Region and open up avenues for their meaningful self-employment through various entrepreneurship schemes of the Govt. in the industrial sector.

Shri Prasanta Saikia, Hony. Secretary, IETE Guwahati Centre and Course Co-ordinator, NORAD Scheme, 1997-98 delivered the welcome address and vote of thanks.

Hyderabad

● The Chairman, Shri K Laxminarayana, presided over 8 week short term course in UNIX, C, C++ of II batch of Corporate Members, Student Members and others on 9th Aug '99. It was inaugurated by Dr E Bhagiratha Rao, Professor & Head, ECE Dept, MVSR Engineering College, Hyderabad.

● A lecture by Dr J H Agarwal, Vice-President, IETE and Chairman, Computer Society of India (Division III) on 'Electronics and Information Technology for Agriculture' was organised on 31st Aug '99 in the Mekaster Auditorium of the Centre. The Chairman, IETE Hyderabad Centre presided over the function.

On 30th Sept '99 another lecture on 'VSAT Systems' was delivered by Shri A N Murugappan, Senior Manager (Operations), RPG Satellite Communications Limited, New Delhi at the Mekaster Auditorium of IETE, Hyderabad Centre. Shri K Laxminarayana, Chairman of the Centre presided.

Mumbai

A Technical Lecture on 'Fibreoptic Link Around the Globe (FLAG)' by Shri S C Basu, Sr Manager, VSNL was arranged jointly by IETE, Mumbai Centre and IRSTE, Bombay Chapter on 27th August 1999 at the Head Office, Western Railway, Churchgate.

IETE, Mumbai Centre and IEEE Bombay Section together arranged another technical lecture on "Generation of Visual Special effects and the Challenges Ahead" in 10th Sept'99 at IIT Bombay.

Nepal

IETE Nepal Centre & Society of Electronics & Communications Engineering Nepal (SECEN) jointly conducted a talk programme on E-Commerce on Sept 19, 1999. The function was chaired by Shri R P Sharma, Chairman SECEN & NTC's Former General Manager. Brig SVS Chowdhry, Dr H S Sharma, IETE President, Shri R P Sharma, SECEN Chairman addressed the gathering. The commentators on the presentation were Shri G S Bora, Former GM, NTC; Shri S Raj Bhandari, MD Mercentile Communications Pvt Ltd. The programme was attended by over 60 engineers, professionals from professional societies, industry & organisations. Welcome address was made by Shri B R Kanel, Hony Secretary IETE, Nepal Centre. Vote of thanks was delivered by Shri P K Pudasaini, Chairman, Nepal centre.

The individuals and industry representatives showed a lot of interest in the subject.

Nashik

Nashik, the 39th Sub-Centre of IETE in the country and 5th Sub-Centre in the state was inaugurated on 10/9/99 by Secretary DOT(Services) of Telecom Commission, Shri P S Saran. The Centre would be conducting diploma and degree level examinations in addition to discussions, seminar & workshops etc on matters of interest. The chosen Executive body and members of the Centre encouraged Electronics & Telecom graduates to become IETE members for mutual interests.

Shri P S Saran also inaugurated the state's CD-ROM directory, launched by Maharashtra Telecom. He praised the performance of Nashik Telecom under the stewardship of Shri Bhagirath Prasad, General Manager (Telecom) for providing CD-ROM directory in such a short time.

Other dignitaries present on the occasion were President of IETE, Dr H S Sharma; Vice-President, Prof S V Kharkar; Maj Gen Prem Prakash; President of Pune Centre, Dr K R Phadke; Former member of the Maharashtra Telecom Department Shri M P Kulkarni.

The event was covered by all the local dailies.



Shri P S Saran, Secretary (Services) DoT releasing the MH CD-ROM directory during the inauguration of IETE Nashik Centre. Seen are Dr H S Sharma, Shri H Sundaresan, Shri B Prasad and Prof S V Kharkar.

Pune

A lecture on 'Networking and Internet' was arranged for the NORAD trainees on 10th July'99 by Shri Vinod Baratakke. Students were introduced to the different terms & definitions in the subject.

Prof S V Kharkar, Vice President, IETE Shri G K Dawara (LEC Member), Mrs Leena Bokil (Course Coordinator, NORAD), Shri Madhukant Patel (Hony Secretary), Norad trainees and others attended the lecture.

The Centre also sponsored a cultural programme of NORAD trainees, organised & coordinated by Mrs Leena Bokil. The programme had different items like folk dances, monoacts, a skit and an orchestra. The audience comprised of well known personalities of IETE, Pune Chapter.

Vijayawada

The Valedictory function of the IETE Entry Level Computer Course for women for the year 1997-98 was organised at KES Polytechnic for Women, Vijayawada. Smt M Vijaya Lakshmi, District and Sessions Judge: Mahila Court, Vijayawada addressed the trainees and distributed certificates to the successful candidates. Shri K B Singh, Secretary and Correspondent, KES Polytechnic for Women presided over the valedictory function. Welcome address was by Dr MC Chandra Mouly, Chairman, IETE Vijayawada Local Centre. Shri A Ravi Kumar, Hony Secretary, IETE Vijayawada Local Centre presented the Centre's activity report and proposed the vote of thanks.

IETE Student Forum, JNNCE, Shimoga

JNNCE-ISF students participated in many events and competitions held at different places and brought credit to the

ISF by winning several prizes. Two student papers entitled, "Value Based Addition and FM Based Transreceivers for Mobile Communication" were selected for the paper presentation during 42nd Annual Technical Convention of IETE. "TECHNOFEST" a national level Technical Symposium, held at Tumkar students took part in Technical paper presentation, hobby project exhibition and technical quiz and won prizes. In a Rotary Club Quiz, an inter-collegiate competition held at Shimoga, students secured the first position.

Apart from Technical contests, essay writings and debates for the students of all semesters were held. The Centre held a high-tech digital quiz competition, in which PC's were interfaced to TV for visual round. Internet facility was provided in the department for students and staff from May'99 onwards.

A technical talk on 'Overview of Developments in Telecom Sector' was arranged on 17/7/99 by Shri T N Sudhendra Kumar, Manager District Telecom, Shimoga. The talk was educative & well received by students and staff.

ITU NEWS

INTELSAT and ITU sign MoU at Telecom'99

INTELSAT and ITU have signed a Memorandum of Understanding (MoU) to promote and develop universal access in rural and isolated areas. It was signed on 13th Oct'99 at TELECOM'99 by ITU Secretary-General Mr Yoshio Utsumi and Mr Leonard Dooley, INTELSAT Vice-President, External Affairs on behalf of INTELSAT Director-General and Chief Executive Officer. TELECOM'99 is ITU's World Telecommunication exhibition and forum held in Geneva from 10-17th Oct.

The purpose of the INTELSAT/ ITU MoU partnership programme is to develop profitable, long-term, satellite-based solutions for these localities that will eventually lead to self-sustaining, cost-effective telecommunications networks serving rural and isolated areas. INTELSAT and the ITU will use their own resources to carry on their respective responsibilities under the MoU.

APPOINTMENT

Shri P P Malhotra, Fellow, ex-Council Member and ex-Chairman, IETE Delhi Local Centre has been appointed as Industrial Advisor (Electronics), Ministry of Small Scale Industries and Agro Cultural Industries.

ATTENTION RAILWAY OFFICERS

Ministry of Railways, Govt of India through their notifications no E(G)99 FE1/1 dated 5.5.99 decided that out of membership of 5 National/International Institutions/Societies recognised for the purpose of 90% reimbursement of membership fee to officers of JA Grade and above, not more than 2 will be International Institutions. It has further been decided that officers may take life membership of National/International Institutions and claim 90% reimbursement of membership fee in respect thereof.

Railway Officers of JA Grade and above in the field of electronics, telecom and IT etc may take advantage of the above notifications to become members of the Institution of Electronics and Telecommunication Engineers.

RECOGNITION

Government of Rajasthan, Department of Technical Education, as per their Order No P.1(10) T.E./92 dated 13.10.99 has recognised the Diploma in Electronics and Telecommunication of the Institution of Electronics and Telecommunication Engineers (IETE) as equivalent to three years Diploma Course awarded by the Board of Technical Education, Rajasthan, Jodhpur.

OBITUARY

IETE deeply mourns the demise of Prof Dr P K Ghosh, FIETE, who was a very active member of Allahabad Centre, well wisher and a guiding force for all its activities. He died on 4th Sept '99 at Apollo Hospital, New Delhi after a brief period of illness.

Prof P K Ghosh, was the grandson of Shri Chintamani Ghosh, the founder of famous M/s Indian Press Pvt.Ltd. His father was the publisher of international repute. Coming from a affluent family, Prof Ghosh chose academic as his career. A scholar of high degree, he completed his research under the supervision of world famous scientist Dr S N Ghosh, DSc, FNA. He was a Senior Professor in Deptt of Electronics and Communication, at University of Allahabad. The Institution condoles the passing away of one of its prominent fellow members.

Election for the seven seats for the Council (2000-2003) will be held during April 2000. Information will be published along with the Directory of Corporate Members and will be available by Jan-2000.

Subscription must be paid by 31st Dec 99 for being eligible to vote.

NEWLY ELECTED OFFICE BEARERS OF LOCAL CENTRES/SUB-CENTRES (1999-2000)

CENTRES

AHMEDABAD
ALLAHABAD
ALIGARH
BANGALORE
BHUBANESWAR
CALCUTTA
CHANDIGARH
CHENNAI
DEHRADUN
DELHI
GUWAHATI
HYDERABAD
JABALPUR
JAIPUR
KANPUR
LUCKNOW
MUMBAI
PATNA
PILANI
PUNE
TRIVANDRUM
VIJAYAWADA
VISAKHAPATNAM
KATHMANDU

SUB CENTRES

AURANGABAD
BHOPAL
COCHIN
GOA
IMPHAL
JAMMU
MANKAPUR
MHOW
MYSORE
NAGPUR
NASHIK
NAVI MUMBAI
NOIDA
SHIMLA
VADODARA

CHAIRMAN

Shri N Mohanty
Dr G S Darbari
Prof Farid Ghani
Dr M H Kori
Shri P C Sahu
Dr J N Maiti
Dr S K Mangal
Dr N M Parthasarathy
Shri R S Misra
AVM Atma Singh
Shri P M Dastidar
Shri K Laxminarayana
Dr N C Goyal
Shri Anurag Agarwal
Shri B K Karmakar
Shri Shabbir Ahmad
Shri S K Saraswati
Shri Ram Yagya
Dr Pawan Kapur
Dr K R Phadke
Shri Sathish Kumar
Dr M C Chandra Mouly
Rear Adm S Mohapatra VSM,IN
Shri S K Pudasaini

Dr V N Walivadekar
Dr A K Tiwari
Shri R Kanakarajan
Dr S N Lall
Dr S Birendra Singh
Dr R K Abrol
Shri Ravi Agarwal
Brig Indra Pal Singh
Shri C R Nataraj
Prof W S Khokle
Shri B Prasad
Dr M K Sinha
Shri R K Verma
Shri V K Upadhyay
Dr R C Desai

HONY. SECRETARY

Shri J P Shivhare
Shri R C Ghildiyal
Prof M Rehman
Shri D Rajagopal
Shri P K Hota
Dr JP Bandyopadhyay
Wg Cdr D N Misra
Shri V S Sundara Murthy
Shri Dilip Kumar
Shri M L Gupta
Shri P Saikia
Shri V Prem Sagar Rao
Prof P K Jain
Dr Sandeep Sancheti
Shri A Surana
Col R D Gupta
Dr T S Rathore
Shri A P Yadav
Dr R K Nahar
Shri M P Patel
Shri N M Kumar
Shri A Ravi Kumar
Shri S Raja
Shri B R Kanel

Shri M P Pillai
Dr S D Sapre
Shri K Govindan
Shri M S Rayudu
Shri K Manihar Singh
Shri S K Puri
Shri K B Jauhari
Lt Col R S Bhate
Shri S S Sridhara
Dr D A Deshpande
Shri J C Menaria
Prof V R Dongonkar
Shri H O Agrawal
Shri A S Jaswal
Wg Cdr S R Vasavada

HONY. TREASURER

Shri S K Sharma
Dr A N Srivastava
Dr Z A Abbasi
Shri Ameya M Bhagwat
Shri R C Khuntia
Dr Murari Mohan De
Shri V P Giridhar
Shri N Sampath Kumar
Shri P K Mittal
Shri V K Gupta
Shri A Narzari
Dr M Lakshminarayana
Dr A K Shrivastava
Shri J P Sharma
Dr Y N Singh
Dr (Mrs) Meena Sinha
Shri G R Mali
Shri Kameshwar Prasad
Shri H S Kothari
Shri S N Joshi
Prof R V Krishna Iyer
Shri G N Swamy
Shri M Adinarayana Rao
Shri Y N Shreshtha

Shri S M Maheshwari
Dr A K Rastogi
Shri C Krishna Kumar
Shri S P Bhatikar
Shri T Gunendra Singh
Shri Bodh Raj
Shri Anil Kumar Srivastava
Maj B V B Prasad
Ms K P Nagapushpa
Shri V K Nikhare
Shri N R Mahajan
Er W P Bhardwaj
Wg Cdr S C Narang (Retd)
Shri Atul Kumar Kuthaila
Prof S K Shah

NOTICE**For Section 'A' AMIETE (New Scheme)**

Following solved question-answers are available at IETE HQ/Centres:

| Code | Subject | Year | Cost (Postage extra) |
|------|--|---------|----------------------|
| A01 | MATHEMATICS | 1996-98 | Rs. 50/- |
| A02 | ENGINEERING GRAPHICS | 1996-98 | Rs. 50/- |
| A03 | APPLIED MECHANICS | 1996-98 | Rs. 50/- |
| A05 | BASIC ELECTRONICS | 1996-98 | Rs. 50/- |
| A06 | SIGNALS & SYSTEMS | 1996-98 | Rs. 50/- |
| A07 | NUMERICAL ANALYSIS & COMPUTER PROGRAMMING | 1996-98 | Rs. 50/- |
| A08 | CIRCUIT THEORY & DESIGN | 1996-98 | Rs. 50/- |
| A10 | ELECTRICAL ENGINEERING | 1996-98 | Rs. 50/- |

Solutions have been prepared by reputed IIT professors and will therefore serve as a valuable guide to students. All Corporate Members are requested to advise the student members suitably.

CALENDAR OF EVENTS

| Subject | Date | Venue | Contact |
|--|-----------------|-----------------------|---|
| • 1999 Annual R&D Management Conference with the theme R&D as business | 6-8 Dec 1999 | New Delhi | CSIR Tel: +91 11 3730681, Fax : +91 11 3710340 e-mail: hirobhajwani@yahoo.com hirobhajwani@hotmail.com |
| • ISRAMT'99- 7th Intl Symposium on Recent Advances in Microwave | 13-17 Dec 1999 | Spain | Prof Banmali Rawat, Tech Prog Co-chair Technology, Deptt. of EE, 260, Univ. of Nevada, Reno, NV, 89557-0153, USA |
| • Radar Symposium India-99 | 14-17 Dec, 1999 | Bangalore | Mr Ananda Babu K V S IRSI'99, Symposium Secretariat LDRE, C V Raman Nagar, Bangalore- 560093 |
| • National Symposium on Ocean Electronics, 1999 (SYMPOL-99) | 16-17 Dec 1999 | Cochin | Dr PRS Pillai Co-ordinator, SYMPOL-99, Deptt. of Electronics, Univ. of Science & Techonology, Cochin-682022 Ph: 0484-532161, Fax: 0484-532800 e-mail: elhod@cochin.ernet.in/Doe@doe.cusat.edu |
| • 6th International Conf on High Performance Computing 1999 | 17-20 Dec 1999 | Calcutta | HiPC '99 C/o A K P Nambiar, Software Technology Parks of India, Block III, KSSIDC Complex, KEONICS Electronics City, Hosur Road, Bangalore 561 229 e-mail: nambiar@stpb.soft.net |
| • Componex/electronic India'2000 | Jan 27-30, 2000 | Bangalore | Mr Ananda Babu K V S, IRSI'99, Symposium Secretariat LDRE, C V Raman Nagar, Bangalore 560 093 AND Nikolaus Wollmann IMAG-Intl Exhibition & Fair Service Ltd., Member of Messe, Muenchen Intl, Am Messese 2, D-81829 Muenchen, Germany Ph: ++49-89-94922-119, Fax:++89-94922-350 |
| • 6th National Conf on Communication | 29-30 Jan 2000 | New Delhi | Dr S D Joshi, Deptt. of EE, IIT, Delhi 110 016 e-mail: ncc2000@ee.iitd.ernet.in |
| • 6th Intl Conf & Exhibition on 'Terrestrial & Satellite Broadcasting' | 2-4 Feb 2000 | New Delhi | BES EXPO Coordination Office F-6, Madan Lal Block, Asian Games Village, New Delhi 110 049 Tel: +91 11 649 2624, 649 2888 Fax: +91 11 649 2888, 643 60003 Web: http://besindia.com |
| • Americas Telecom 2000 | 10-15 Apr 2000 | Rio de Janeiro Brazil | Place des Nations, CH-1211 Geneva 20, Switzerland Ph: +41 22 730 6161, Fax: +41 22 730 6444 e-mail : telecominf@itu.int, internet: www.itu.int/telecom |
| • ITU Telecom Asia 2000 | 4-9 Dec 2000 | Hong Kong China | Mr Thomas Frankl, Head, Press & Public Relations for Telecom 99+, Interactive 99 Tel: 41227300331, e-mail: thomas.frankl@itu.int |

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