FROM PRESIDENT'S DESK

Dear IETE Family,

I wish all IETEians and their families a very happy, healthy, prosperous and peaceful New Year.

2013 is indeed an auspicious year for the IETE as it marks its 60th anniversary since its inception in November 1953. Article 4 of the Articles of Association and Byelaws states- "The objective of the Organization is to promote the general advancement of Telecommunication Engineering, Electronics, Computer Science & Engineering, Information Technology and allied subjects and to facilitate the exchange of information and ideas on these subjects amongst the members of the Institution". The IETE has consistently lived up to this mission and all our Centres in the country are ready to continue meeting the needs of members in order to accelerate their professional development through even more effective programs and activities. We are committed to carrying on the mandate envisioned by the founders of this Institution.

IETE has come a long way and the fact was amply evident from the enthusiasm with which the Foundation Day on 2nd Nov 2012 and Convocation Ceremony on 30th Nov 2012 was conducted at IETE Hqs marking the start of Diamond Jubilee Celebrations. Many Distinguished Guests and Speakers graced the events. IETE Centres also celebrated the Foundation Day and some have launched their new programmes like the Ambala Sub-Centre inaugurated an Exposition of Scientific and Electronics Instruments on this day and gave a glimpse of future programs chalked out for the Diamond Jubilee Year. It was a fitting tribute to the glorious past of our institution.

It is a proud moment for us at IETE as we celebrate 60 years of academic excellence. A number of activities are planned and tasks cut out for all IETE Committees and Boards for the year long celebrations. We must, while undertaking any necessary fine-tuning, maintain our resolve in pursuing our mission and develop effective strategies that ensure IETE's relevancy to the needs of our student members. It is proposed to release a Commemorative Stamp by the Post and Telegraph Department of India to mark the occasion. Efforts are on to bring out a Special Compendium on IETE. A team of IETE Members is working on it. In order to make the Compendium happen, we need a lot of information pertaining to its history, its ambience, alumni, members and centres. We seek your cooperation in terms of providing valuable information, as well as old photographs. Please help us by joining the Diamond Jubilee Discussion Forum and sharing your valuable experiences and views with us on this link at our website www.iete.org

IETE Governing Council is working very hard to improve service to our members and to lift this organization to much higher level. We are determined to make the coming decades equally meaningful. The Institution seeks synergy with all its stakeholders because their concerted efforts are crucial for achieving a greater impact through the pooling of knowledge, expertise, and resources. I look forward to the continued support from all stakeholders in the diverse programs scheduled for this year. The challenges are enormous but not insurmountable. Let us all stay united and adopt innovative ideas and new approaches to make our bright future a reality.

I, on behalf of the IETE Governing Council, wish all the members of our extended family a very happy Diamond Jubilee Year.

S Pal

CONTENTS

IETE HQs, New Delhi

सह वीर्यं करवावहै

Happy New Year to all our Readers

News from Headquarters

IETE Celebrates 59th Foundation Day

The **59th Foundation Day** was celebrated on 2nd Nov 2012 at IETE HQs with **Shri S C Misra,** Member(Services), Telecom Commission, MC&IT, New Delhi as the Guest of Honour. The theme chosen for the day was, **"Indian Wireless Communications Paradigm: Opportunities and Challenges".** The other dignitaries present on the occasion were: **Dr S Pal,** President IETE; **Shri R K Gupta,** Chairman, Organizing Committee Diamond Jubilee Celebrations; **Prof S K Kak,** VC, Mahamaya Technical University, Noida and Distinguished Fellow IETE; **Prof Huzur Saran,** Dept of CSE, IIT, New Delhi and **Prof (Ms) K Raja Rajeswari,** Chairperson, Technical Programmes Committee. The welcome address was delivered by **Prof (Ms) K Raja Rajeswari,** in which she highlighted the activities & services provided to the community and the opportunities and challenges posed by wireless communication technologies. Talking of the blessings of technology, **Prof Kak,** said that personal networks connected with mobile technology is changing the overall dimension of human life style. According to him the mobile technology has helped in more empowerment and spreading the awareness, but the endangerments involved like impact of mobile on organisms, proliferation of antennas, base stations, carbon emission are also serious issues. He was more concerned in India's contribution in terms of technology, system architecture, creating devices and software. He suggested the creation of capable human resources to use those devices which are more relevant and efficient in today's scenario. **Prof Huzur Saran,** talked of huge impact of wireless technology and common people expectations to have accessibility. He pointed out the spectrum limitations and need of essentiality to use it. He emphasized on creating more services and deliverance for rural areas and sharing of spectrum.

Shri R K Gupta, in his address highlighted the major achievements of the Institution. He credited the increase in size and stature of the institution on the dedication and hardwork of IETE Founder Members. In his address, he also touched upon the thrust areas for deliberations during Diamond Jubilee Celebrations. A documentary depicting activities of IETE and an Information Document was released on the occasion. **Dr Ashok K Chauhan -** Founder President, Amity Group also graced the occasion. He applauded the yeomen services of IETE for the growth of the nation and promised to take IETE Amity Sub-Centre to greater heights in times to come. **Dr S Pal,** President IETE, announced the commencement of Diamond Jubilee Celebrations in his IETE Foundation Day address. Giving a brief background of the topic "Indian Wireless Communications", he touched upon the opportunities and present day challenges. Some of the vital areas that needed emphasis according to him were: spreading awareness on health hazards, spread of RF education to encourage industry to this area, having own models and country specific research in the area, proper implementation of regulatory issues etc. **Shri S C Misra,** in his address talked of the National Telecom Policy- 2012

Dignitaries lighting the inaugural lamp

Dignitaries releasing the Diamond Jubilee brochure

(NTP- 2012), which would help in speeding up of telecom activity in the country. In terms of statistics, he informed about increasing rural teledensity from present 40 to 70 by 2017 and 100 by 2020. He pointed spectrum affordability being big issue in rural areas and mentioned about appropriate incentives being rolled out for reliable and affordable broadband access to rural and remote areas. He said that NTP 2012 envisage broadband for all and increased download speed. He stated the vision and goals of the policy-2012 as 'availability of affordable and effective communications for the citizens'. He concluded his address indicating the stakeholders to work hard to achieve the objectives of NTP 2012.

The senior members of IETE were felicitated by the President IETE for their significant contributions to the Instituion. Mementos were presented to all the distinguished guests by **Dr S Pal,** President, IETE. **Shri S R Aggarwal,** Secretary General, IETE, proposed the vote of thanks.

IETE Convocation Day

The **6th IETE Convocation Day** was celebrated at Sri Sathya Sai International, Lodi Road, New Delhi on 30th Nov 2012 with great splendor & magnificence. The Convocation was a fitting tribute to the glorious past of the Institution as was evident from the presence of many esteemed alumni and faculty who led the graduating batch into the big hall to flag off the proceedings. The Chief Guest **Prof D P Agrawal's** speech was replete with mentions regarding the contribution of IETE to the advancement of the nation. In his address, he also urged the students not to lose their

Dignitaries on the dais during the 6th IETE Convocation 2012

zest for learning and also to never forget the teachings of this great Institution. He insisted on ethos of hard work, compassion, truthfulness and humanity. He also suggested the passing outs to bond with IETE as its alumni. In his address he pointed out the great divide still existing in urban and rural areas and requested the passing graduates to use technology and take IT to the unreached, to the last end. They should ensure that benefits of IT percolates to the rural sector through their future projects. Talking of scarcity of Spectrum, he appealed the IETE graduates to develop supporting technologies for the future management of spectrum, so that maximum returns come back to the country and to contribute towards green technology.

This year 427 degrees, the highest number in the history of the institution, were given away to AMIETE, ALCCS pass-outs. In this context **Prof (Wg Cdr) P Prabhakar (Retd)**, Chairman, Students Interactions Committee; **Shri M L Gupta,** Chairman, Board of Examination and **Prof C Murali**, Chairman, Academic Committee, expressed their happiness on acquiring degree by the new batch of graduates and highlighted the major landmark achievements of the Institution in educational and research activities during the past academic year. **Dr S Pal, President IETE,** urged the graduates to continue developing the skills they had acquired during their study. He highlighted the latest activities and the changes being adopted in IETE course contents and expressed his satisfaction in producing professional engineers of high calibre from the Institution. He applauded the contributions of senior expert members and faculty for making IETE a strong professional body. Dr Pal ended his address with beautiful recitation of a Sanskrit shloka , advocating respect to elders, teachers and parents.

During the ceremony, IETE graduates, Shri Thacker Dhaval Kumar Ghanshyam from CS Stream, Shri Amrit Singh, IT Stream, Ms Sonam Bhardwaj, ET Stream, Ms Ankita Gupta, CS Stream and Shri Jayanta Madhab Ray, IT Stream were honoured by the Chief Guest and the President IETE with IETE Academic Awards for their excellent academic achievements during exams.

The ceremony started with an entrance parade of the faculty members and graduates, followed by the handing over of the degree certificates by the Chief Guest and the President, IETE. **Shri S R Aggarwal,** Secy General IETE, proposed the vote of thanks.

6th IETE Convocation- 2012 in progress

The Chief Guest receiving memento from President IETE

Some Glorious Moments....

18th Sir J C Bose Memorial Lecture

`The **18th Sir J C Bose Memorial Lecture** was organized at IETE HQ on 30th Nov 2012. On this occasion, the memorial lecture was delivered by **Prof R K Shevgaonkar,** Director, IIT Delhi on the theme **"Photonic Crystals: Artificial Materials to Control Light".** Other dignitaries present on the occasion were **Dr S Pal,** President, IETE, **Prof (Ms) K Raja Rajeswari,** Chairperson, Technical Programmes Committee, **Shri P S Sundaram,** Co-Chairman, Technical Programmes Committee. The Welcome address was given by **Prof (Ms) K Raja Rajeswari,** Chairperson, TPC, **Shri P S Sundaram** gave the brief introduction of **Sir J C Bose** and speaker of the lecture. **Dr S Pal,** President, IETE highlighted the life sketch of **Sir J C Bose** and his outstanding contribution in the field of Science and Engineering. He thanked **Prof R K Shevgaonkar** for deliberating on such important Memorial Lecture. He also thanked all participants who attended the function.

Prof R K Shevgaonkar vividly explained the phenomena of colours, through his interesting talk. Explaining the features of Photonic Crystals (PC), he said that they were artificial materials in which the dielectric constant varied periodically and had the ability to suppress/enhance or control the propagation of electromagnetic waves. He also talked about Photonic Band gap, certain ranges of frequencies which could not be propagated through the PCs. He informed of wide applications of PC devices in optical communication and microwave antennas. He said that the devices based on 1-D PC, like Bragg reflectors, Fiber Bragg gratings etc had already been deployed while devices based on 2-D and 3-D PCs were at research level. Talking of momentum, he said that new impetus was on high brightness high efficiency LEDs using PCs and Microstrip Antennas with PC substrates for higher efficiency and gain. The lecture was well received and attended. The program ended with a vote of thanks by **Shri S R Aggarwal,** Secretary General, IETE.

Dignitaries on the dais during the 18th Sir J C Bose Memorial Lecture

Prof R K Shevgaonkar, Director IIT Delhi receiving memento from President IETE

Nominated Governing Council Members

Shri T V Partha Saradhi (F054344L) passed BE, (Electronics and Communication Engineering) in the year 1972 from Osmania University, in First Class with distinction. He participated in National, International Seminars/Exhibitions and worked as member in various National Committees such as Member, IEEE, Fellow IETE, Member Broadcast Engineers Society (BES) India and Member Aeronautical Society of India (Ae So I).

He has been the Life Member of IETE for the last 25 years and served at IETE Ahmedabad, Vadodara and Hyderabad Centres. He was also elected as Council Member for the period 2007-10. He is widely traveled and has vast experience in Technology Selection, Business Development, Corporate Planning, Exports etc.

Since May 1999 with GoAP as Director (Communications) in Department of Information Technology and Communications, he was actively associated with planning and implementation of e-governance projects, policy formation, internet penetration and citizen services etc.,.

During 1984-1999, Sh Partha Saradhi was employed with a leading Public Sector Undertaking engaged in design, manufacturing, supply, installation and commissioning of products in Telecom, Broadcast, Navigational Aids etc, and responsible for executing many turn-key projects. Later on, he become Head of Marketing and Systems Group.

During 1972-83 he worked at Space Applications Centre (SAC), ISRO, Ahmedabad in various capacities and was engaged in Design/Development and Integration of various ground segment equipment.

Shri Virender Kumar Singla (F053777L) is an astute professional with 37 years of experience in Broadcasting Services having played various roles in the Engineering Departments of All India Radio and Doordarshan in India. Currently, he is Engineer –in-Chief of All India Radio. Earlier, he has been the Head of Planning and Development Unit of AIR. He has successfully executed various Radio and TV projects during the course of his career including Digitization of Radio and TV, Installation of Radio/TV studios, Radio Transmitters (MW, SW and FM), TV Transmitters and various IT projects. He was deputed as the Chief Executive and Regional Head of Central Board of Film Certification Mumbai, India, for four years. He was also faculty member of Staff Training Institute of AIR and Doordarshan, New Delhi. As Head of IT

Division, he was instrumental for the implementation of Webcasting and Podcasting of Radio Programs on 21 Channels. He has recently been awarded Prof S N Mitra Memorial Award (2012) by IETE, India, for his contributions in the field of Broadcasting. He is Fellow Member as well as Nominated Governing Council Member of IETE for the term 2012-13 and also of Broadcast Engineers Society of India. Shri Singla is an ME in Electrical Communication Engineering, from IISc Bangalore, and is a gold medalist in BE.

Dr Rajeev Shorey (F198885L) received his PhD and M S (Engg) in Electrical Communication Engineering from the Indian Institute of Science (IISc), Bangalore, in 1997 and 1991 respectively. He received his BE degree in Computer Science and Engineering from IISc, Bangalore in 1987.

Prior to joining NIIT University, Dr Shorey was in General Motors India Science Laboratory (ISL), Bangalore. He was the Lab Group Manager of the Vehicle Communications and Information Management Group at GM ISL. Prior to joining GM Research, Dr. Shorey was a Research Staff Member at the IBM Research Laboratory, New Delhi from 1998 to 2005. From 1996 to 1998, Dr Shorey was at SASKEN Technologies, Bangalore as a Project Lead of the Wireless Systems Group. Dr Shorey was an adjunct faculty in the Computer Science Dept at IIT, Delhi from 1998 to 2005 and at the National University of Singapore from 2003 to 2004, while on leave from IBM Research Labs in New Delhi.

Dr Shorey's work has resulted in more than 50 publications in international journals and conferences and several US patents, all in the area of wireless and wired networks. He has 10 issued US patents and several pending patents to his credit.

Dr Shorey serves on the Editorial Boards of IEEE Transactions on Mobile Computing and Wireless Networks Journal of Mobile Communication, Computation and Information. He is the editor of the book entitled- Mobile, Wireless and Sensor Networks: Technology, Applications and Future Directions published by John Wiley, US in March 2006. Dr. Shorey serves as the General Chair and the Technical Programmes Committee Chair of several international conferences. Dr. Shorey has given numerous talks, tutorials and seminars in industry and academia all over the world.

For his contributions in the area of Communication Networks, Dr Shorey was elected Fellow of the Indian National Academy of Engineering in 2007. He is also a Fellow of the Institution of Electronics and Telecommunication Engineers, India; a Senior Member of IEEE and a Member of ACM.

News From Centres

Agra

IETE Foundation Day was celebrated by the Sub-Centre on 02nd Nov 2012. A lecture was delivered by Lt Col Jerrish Jacob, OIC, Telecom Gp of 509 Army Base Workshop, Agra, on the theme chosen by IETE for the Diamond Jubilee Year, **"Indian Wireless Communication Paradigm; Opportunities and Challenges".**

Ahmedabad

The Centre celebrated the 59th IETE Foundation Day on 03rd Nov 2012. **Shri Chintan Bhatt,** Chairman IETE Ahmedabad Centre in his welcome address, briefed about the Day and the theme of the celebration. **Smt Smriti Dagur,** Past Governing Council Member, read the IETE President's message. **Shri Vilas Palsule,** Director, DECU-ISRO, Ahmedabad, was the Chief Guest on the occasion. **Dr Kiran Parmar,** HOD, LCDE, Ahmedabad, delivered the theme lecture. The IETE Smt Manorama Rathore Memorial Awardee, **Ms Puja Srivastava,** Sci/Engr, SAC, ISRO, Ahmedabad, gave a lecture on **"Wide Band Quadrature Hybrid". Prof P M Vashnav,** a Senior Member from the Centre was felicitated. A memento was presented to all local Executive Committee Members (2010-12), as an appreciation of the services rendered by them.

Ambala

•   IETE Ambala Sub-Centre launched the IETE Diamond Jubilee Celebrations on 05th Dec 2012. On this occasion **Dr S Pal**, President, IETE delivered **23rd Gian Chand Jain Memorial Lecture** on the topic **"Perspective in Space Communication- the Indian Paradigm".** In his address he said that communication was an inherent quality of every living being, but the ability to communicate and integrate the intelligence and information available around, was the greatest boon, which mankind had got over others in the animal kingdom.

He emphasized the importance of communication, impact of the new incarnation of Mass Communication, the Internet and World Wide Web. Talking of the Indian Space programme in details, he told that the Indian Scientists had put India amongst the top five nations in the world, who could launch their own communication satellites in space and soon going to launch the Indian Manned Space Mission to Moon in 2014. **Shri R K Gupta,** Chairman Diamond Jubilee Celebrations Committee, while giving the background of IETE activities, exhorted all the IETE members to make the Diamond Jubilee Year a memorable one. Giving the road map of Ambala Sub-Centre, the Chairman **Dr Anil Jain** announced that during the Diamond Jubilee year the Sub-Centre would take initiatives like induction of new corporate members, holding of national seminar on Sensors; training programme for the defence

Dignitaries on the dais during the 23rd Gian Chand Jain Memorial Lecture

personnel and preparation of about ten instruction manuals for the Electronic teaching aids and experiments. On this occasion the Ambala Sub-Centre felicitated **Dr Pawan Kapur,** Director, CSIO-CSIR, Chandigarh, for his life time mentorial contributions. Large number of students from various Engineering Colleges, CSIO and people from Industry, participated in the programme.

• The **59**[th] **Foundation Day** was celebrated at the Kurukshetra Institute of Technology and Management (KITM), Kurukshetra on 08th Nov 2012. On this occasion **Dr Anil Jain,** Chairman, IETE Ambala Sub-Centre inaugurated an ISF at the college premises. **Dr P J George,** Director-Principal, KITM, delivered the welcome address and explained about R&D based projects being carried out for CEERI Pilani. He expressed great satisfaction that the Diamond Jubilee Foundation Day is marked by the inauguration of a new ISF at KITM. Dr Jain delivered the Foundation Day lecture on **"Dynamics of University-Industry Cooperation in the coming Decade".** He said that in next 10 years the industry would join hands with the educational and academic institutions to develop new products , otherwise the Indian electronics and instrumentation industry would not be able to survive the competition of Chinese instruments in Indian Market. The students of the college presented a technical presentation on MEMS based project on this occasion. The event was widely covered by media and press.

Allahabad

IETE Allahabad Centre launched the Diamond Jubilee Celebrations with IETE Foundation Day event on 02nd Nov 2012. **Er P K Gupta,** GM, ITI, Naini, Allahabad, was the Chief Guest. The guest speaker, **Prof Rajeev Tripathi,** presented the details of the wireless communications. Prof Nar Singh, in his welcome address pointed out the increase in the microwave radiation due to enormous growth in mobile users and microwave towers and cautioned about the harmful effects.. The Chief Guest in his address informed about the new policy on Electronics. **Prof S G Prakash,** one of the senior members and **Er G S Shukla,** outgoing Chairman of the Centre, were felicitated on the occasion. In the function, certificates were also distributed to the successful girl candidates of "Computer Concepts" course and winners of quiz, essay and debate competitions that were organized.
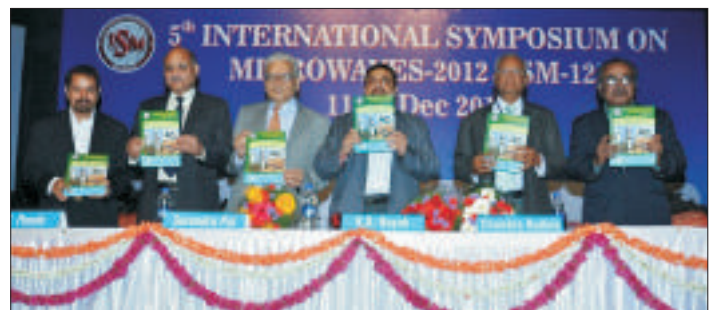
Amravati

• IETE Amravati Centre celebrated the **Foundation Day** jointly with **Dr P D Polytechnic** on 02nd Nov 2012. **Dr P R Deshmukh,** Chairman IETE Amravati Centre, delivered a lecture on **"Recent Trends in Digital Communication."** The function was presided over by **Shri D M Makone,** Past Secretary, MSBTE, Mumbai. **Prof S V Pattalwar** read out the message of the President IETE. Some of the Office Bearers, students from AMIETE, DipIETE and engineering & polytechnic colleges were also present on the occasion.

• A workshop on **"Microcontroller and Applications"** was conducted by **Dr P R Deshmukh** on 08th Sept 2012, where in 120 students were enrolled.

• The Centre also co-sponsored one day technical event at **Dr P D Girls'** Polytechnic, where the Chairman delivered a lecture on how to write and present papers in technical event.

Bangalore

• The Bangalore Centre celebrated **59**[th] **Foundation Day** and the launching of **Diamond Jubilee Year Celebrations** on 02nd Nov 2012. **Prof H S Bhatia,** Hony Secretary, IETE Bangalore Centre welcomed the guests and briefed about IETE Foundation Day. **AVM A S Murthy,** read the message from President IETE. He spoke about the importance of the chosen theme **"Indian Wireless Communication Paradigm: Opportunities & Challenges".** The senior members felicitated from Bangalore region were **Shri R S Mundkur, Shri M G Kulkarni & Shri A K Subramanian.** The theme lecture was presented by **Dr M H Kori**, Governing Council Member. Centre Chairman, **Shri D Rajagopal**, addressed the members and student members, who were present in large numbers.

• The **5**[th] **International Symposium on Microwave (ISM-12)** was organized jointly by IEEE-MTTS/ AP-S Bengaluru Chapter, IETE Bangalore Centre, IET Bangalore Network and Society of Electronic Engineers and co-sponsored by BEL, DRDO and ISRO during 11-14 Dec 2012 at NIMHANS Convention Centre, Bangalore. ISM-12 was Inaugurated by **Dr K D Nayak** CC R&D (MED & MIST), DRDO. In his inaugural address he appreciated the role of ISM in Microwave development in the country . **Dr Surendra Pal,** President IETE graced the occasion and conferred the IETE-IRSI (83) Main Awards and Young Scientist Awards for the year 2012. He highlighted the role of IETE in HRD in the country and encouragement provided to deserving candidates in the field of Electronics and Telecommunication Engineering including IT and Computer Science. **Wg Cdr HR Parthasarathy (Retd)**, Immediate Past Chairman, IETE Bangalore Centre briefed about the IETE-IRSI (83) awards and read the citations of the awardees. **Dr. Chandra Kudsia,** Formerly of COMDEV & Adjunct Prof, Waterloo University, CANADA, delivered the **"Prof & Mrs Chatterjee Memorial Lecture"** on Evolution of Communication Satellite Systems and Future Trends. Vote of Thanks was proposed by **Shri D Rajagopal,** Chairman, IETE Bangalore Centre. Pre Symposium Tutorials on 04 different topics with 12 Technical Sessions and 06 plenary talks in the main event were organized in which more than 70 Technical Papers were presented. International experts were invited to conduct these tutorials. **Dr Prasad Shastry,** Bradley University, (USA), **Dr Chandra Kudsia,** Formerly of COM DEV & Adjunct Prof., Waterloo University (CANADA), **Mr Ken Golden,** BEng, ApplicationEngineering Manager, M/A Com Technology Solutions (UK), **Dr M H Kori,** Technology Consultant, Technology Advisor, Validus Technology USA, Retd Technical Director, Alcatel-Lucent Technologies were the Tutorial Speakers. 200 delegates attended the tutorials on each day and more than 300 delegates participated in the Symposium. Lively Panel Discussion

Dignitaries releasing the Souvenir of the 5th International Symposium on Microwaves – 2012

on the topic **"Public Private Partnership in Microwave Development and Production"** was held on the concluding day. In the associated Microwave Exhibition, state-of-the–art hardwares and softwares were displayed/demonstrated .

Bhubaneswar

The IETE **Foundation Day** was jointly celebrated by the Centre and ISF at CV Raman College of Engineering, on 02nd Nov 2012. The meeting was presided over by **Prof (Dr) P Kanungo,** HOD, ETC. **Prof (Dr) C K Patra,** Director, CV Raman Engg College was the Chief Guest and **Prof P Kabisatapathy** was the keynote speaker on this occasion. The others who spoke were **Shri K Lakra,** Hony Secy IETE and **Ms Anustup Madhu C.** The Chief Guest distributed prizes and certificates to the participants. The function was well attended by ISF Members, Corporate Members and IETE Students Members. The programme culminated with an Oddissi dance performance by **Ms Smruti Das.**

Chandigarh

IETE Chandigarh Centre celebrated the IETE **Foundation Day** on 02nd Nov 2012. The Centre Chairman, **Dr C Ghanshyam,** informed about the background of the Centre and its activities. He emphasized on the revolution in the area of Communications and the importance of the theme **" Indian wireless Communications Paradigms: Opprtunities and Challenges". Dr Pawan Kapur,** Governing Council Member & Director CSIR-CSIO, Chandigarh, was the Guest of Honor. In his inaugural address, he emphasized the applications of Wireless Communication in different areas. **Shri Sanjeev Kumar,** Hont Secy, read out the message of the IETE President for the occasion. **Col (Retd) Harmeet Singh Dhot,** VSM, Vice President, EON Infotech Pvt Ltd, Mohali delivered a talk on **"Communication Challenges for the UAV Data Link". Dr Shakti Kumar,** Director, Haryana Engg College, Jagadhari delivered the lecture on **"Wireless Communication"** and described its various applications. A video film on **"Mission to Moon (Chandrayan-1)"** was shown on the occasion and enjoyed by all. Senior Member **Col Inderjeet Singh (Retd)** was honoured on the occasion. **Wg Cdr (Retd) D N Misra** and **Wg Cdr (Retd) Prof P Prabhakar,** IETE Council Members also graced the occasion. Senior Members, Scientist from CSIO-CSIR, people from industry and student members from IETE Chandigarh Centre attended the function.

Chennai

- IETE Chennai Centre celebrated **59th Foundation Day** and **launching of Diamond Jubilee Year Celebration** on 02nd Nov 2012. The Chief Guest on the occasion was **Shri E Mariappan,** Director(News Channel), Doordarshan Kendra, Chennai, and **Shri V Appakutty**, Vice President, IETE was the Guest of Honour. **Col (Retd) K S Chakravarthi,** Centre Chairman, in his address highlighted the achievements made by IETE during its past 59 years of journey. He talked about the Institution's contribution in providing leadership in scientific and technical areas of direct importance to the national development and economy. **Dr Vidyacharan Bhaskar,** Prof ECE Dept, SRM Engg College, Kattankolattur who received the IETE Prof SVC Aiya Memorial Award 2012, gave a presentation on **"Indian Wireless Communication Paradigm: Opportunities and Challenges"** and was felicitated on the occasion. The **"Best Performing ISF**

Awards" were given to ISFs of Pratyusha Institute of Technology Management; Sri Sai Ram Engineering College and Velammal Engineering College. The **"Active ISF Awards"** were given to: Vel Tech Multi Tech Engg College and Aarupadai Veedu Institute of Technology (AVIT). The senior members honoured were: **Sri AM Thyagarajan; Sri MN Vasantharajan; Sri S Krishnamurthy; Sri TV Srodjaram; Sri S Ramamurthy; Sri S Ravi; Sri CM Joseph; Dr R Parthasarathy; Sri M Thiagarajan; Sri VCK Raman; Sri Suresh Chander Pal; Prof V S Rajamani and Sri P Kandiah.**

- **Dr S Pal, IETE** President, was accorded a warm welcome on his visit to IETE Chennai Centre on 06th Dec 2012. **Col (Retd) K S Chakravarthi,** Chairman, IETE Chennai Centre informed the President about various activities of the Centre. The President in his address briefed about the improvement plans at HQ and at Centre's level. He highlighted the impending Regulator's visit to selected Centres and emphasized the need for getting Regulator's approval in the larger interest of IETE and for greater recognition in a wide spectrum. He expressed his satisfaction over the efforts being put up by the Centre.

Col (Retd) K S Chakravarthi Chairman,
IETE Chennai Centre addressing the gathering

- Under the monthly lecture programme, a lecture on **"4G Technology-An Overview"** was delivered by **Shri J Santhanakrishnanan,** DGM (Retd) - Enterprise Business, BSNL, Chennai, on 24th Nov 2012 at the premises.

Delhi

The Centre celebrated the **IETE Foundation Day** on 2nd Nov 2012 at the premises. **Wg Cdr K C Bhardwaj,** Centre Chairman, welcomed the Chief Guest **Shri V K Arya,** Dy Director General, TEC, DOT and addressed the gathering of students & encouraged them to face the challenges of life. **Shri B B Rishi,** Hony Treasurer of the Centre read out the IETE President's message for the Foundation day. **Shri V K Arya,** Dy Director General, TEC, DOT while delivering his address shared his life experiences with the students. The students participated in this program with great enthusiasm. The senior member felicitated on the occasion was **Shri D R Mehta**.

Gulbarga

IETE Gulbarga Sub-Centre organized the IETE **Foundation Day** on 02nd Nov 2012 at Guru Nanak Dev Engineering College, Bidar. On this occasion **Shri Santosh Wattamwar,** Design

Engineer, Imagination Technologies, Hyderabad delivered a Guest lecture on the theme **"Indian Wireless Communication Paradigms: Opportunities and Challenges". Shri Sudhakaradu,** Dist Telecom Officer, Bidar, graced the occasion as Chief Guest and delivered the keynote address on this occasion. **Shri Jagtar Singh,** Administrator GNDEC was the Guest of Honour and **Dr U S Hampanavar,** Principal GNDEC, presided over the function. Others present were **Dr Baswaraj Gadgay**, Chairman IETE Gulbarga Sub-Centre; **Prof Ravindra Eklarker**, Hony Secy; staff and students of Electrical Science Dept.

Guwahati

IETE Foundation Day was commemorated at the Guwahati Centre on 02nd Nov 2012. Welcoming the Guests, **Shri Prasanta Saikia**, Centre Chairman, spoke on the need to discuss the opportunities and challenges of Wireless Communication in the Indian context. **Shri Tasiruddin Ahmed**, Technical Director, NIC, Assam State, spoke on the theme **"Indian Wireless Communication Paradigm: Opportunities and Challenges".** On this occasion **"QUARK"** a wall magazine started by the students of the IETE Guwahati Centre under the guidance of **Ms Meenakshi Goswami,** Counsellor-cum-Admn Officer was displayed and appreciated by the guests.

Hyderabad

• IETE Hyderabad Centre celebrated **IETE Foundation Day** on the theme **"Indian Wireless Communications Paradigms: Opportunities and Challenges"** on 02nd Nov 2012. **Dr M Basavaraj,** DF & Governing Council Member, graced the occasion as the Chief Guest. The senior members felicitated on the occasion were: **Prof B L Deekshatulu; Dr P S Sharma; Dr M S Bhat; Shri P Viswanathan and Dr N N Sastry.** The celebrations were followed by the 4th **Prof S Narayana** Endowment Lecture on the theme **"Electronic Warfare: Systems and Technologies"** by **Dr N N Sastry,** Former Scientist 'G' & Associate Director, DLRL, Hyderabad. **Prof S Narayana,** Past President was felicitated on the occasion. **Shri K Subbi Reddy,** Chairman IETE Hyderabad Centre, presided over the programme. The eminent persons who spoke on the event were: **Shri K Gnaneshwar Rao, Hony Secy; Dr N Niranjan Prasad, Dr K S Nayanthara,** Governing Council Member and **Shri P Padmanabha Rao,** Hony Treasurer. The lecture was attended by Scientists, Professors, students and members of the Centre. On this occasion a Guest Room at the Centre was inaugurated by the Chief Guest, **Dr M Basavaraj**, DFIETE. (Pho in the Cd)

• IETE Hyderabad Centre organized the **IETE-B V Baliga Memorial Award Lecture** on **"Advances in Navigation"** by **Shri Gundra Satheesh Reddy**, Outstanding Scientist/Scientist 'H', Associate Director(s) and Technology Director, Research Centre Imarat, Hyderabad on 21st Dec 2012. **Dr S Pal,** President, IETE was the Chief Guest on this occasion; **Shri K Subbi Reddy,** Chairman, IETE Hyderabad Centre presided over the programme and **Shri P Padmanabha Rao,** Hony Treasurer proposed vote of thanks. The Lecture was well attended by scientists, professors, students and corporate members of the Hyderabad region.

Dr S Pal, President IETE alongwith other dignitaries during the IETE B V Baliga Memorial Award Lecture

Jabalpur

IETE Jabalpur Sub-Centre organized **Foundation Day** on 02nd Nov 2012.

Jaipur

Prof R P Yadav, Vice Chancellor & FIETE was the Chief Guest on the occasion of IETE foundation Day celebrations on 02nd Nov 2012 at the Centre. **Prof Visvanath Sinha,** LNMIIT & FIETE delivered the keynote address on the theme **"Indian Wireless Communications Paradigms: Opportunities and Challenges"** According to him Wireless and Optical Communications Technologies underpin many of the services and devices that are part of the modern society. He said that demand for increasing bandwidth and coverage to support new and enhanced services in both fixed and mobile locations required engineers with good understanding of both wireless and photonic communication technologies, ranging from device concepts to system design and project management. The other eminent persons present were: **Shri Sanjay Kumar,** Centre Chairman; Prof Deepak Bhatnagar, Immt Past Chairman, **Dr Ghanshyam Singh,** Hony Secretary, IETE Rajasthan Centre.

Kathmandu

IETE Kathmandu Centre celebrated **Foundation Day** on 02nd Nov 2012. **Shri Ananda Raj Khanal,** Chief of the Office of Nepal Telecommunications Authority (NTA) gave a presentation on **"Nepalese Wireless Communications Paradigm: Opportunities and Challenges".** After the presentation there was an interactive session. The message of IETE President was read by Centre Chairman, **Shri Nirmal Kumar** Pradhanang. Others who spoke on the occasion were **Shri Nikeshav Raj Gyawali** and **Shri Suresh Kumar Pudasini,** Past Chairman. There was a gathering of more than 50 participants from the telecommunications section of Nepal during the event.

Kanpur

IETE Foundation Day was celebrated on 02nd Nov 2012 at IIT, Kanpur. **Prof Sanjay G Dhande,** Director, IIT Kanpur graced the event as Chief Guest. **Prof Aditya K Jagannatham,** Dept of EE, IIT Kanpur was the theme speaker on **"Indian Wireless Communications Paradigms: Opportunities and Challenges".** He highlighted the various aspects related to the wireless communication & it's future in India. Welcome address was

IETE Foundation

Day Celebration

delivered by **Er U S Yadav**, Hony Secy and the message by IETE President was read out by **Er B K Karmakar,** Past Chairman, IETE Kanpur Centre.

Kochi

- **IETE Foundation Day** was celebrated by organizing a special meeting, presided over by **Shri N M Kumar,** Chairman IETE Kochi Centre, on 02nd Nov 2012. The **Foundation Day** message by President IETE was read by **Prof Jaimon Jacob**. The senior members felicitated on the occasion were **Dr R Gopika Kumari** and **Dr S Unnikrishna Kaimal**. A technical lecture was delivered by **Shri Mithun Krishna,** Manager-Radio Frequency Planning and Operations, Idea Cellular Ltd, Ernakulam, which was well appreciated and well received by the participants.

- With a view to improve the Quality of Lab Training imparted to AMIETE/DIPETE students, the Centre organised a **"Quality Improvement Programme"** for the benefit of Lab instructors, who prepare IETE Students for the Lab Examinations, on 27th October 2012. It was a one-day programme which was attended by 36 Lab instructors from across the Central Districts of Kerala and Members of the Executive Committee. The programme was divided into three sessions, Session-I was handled by **Prof Jaimon Jacob** from Govt Model Engg College, Thrikkakara. **Prof (Dr) T K Mani,** Principal, Albertian School of Engg & Tech, Kalamassery, handled the Session-II. The training was participative in nature and most of the instructors took active interest in the discussion. The concluding Session-III was an interactive one which was handled by **Prof (Dr) MV Rajesh Principal,** Illahia School of Science & Technology (ISST), Muvattupuzha. Majority of the participants took advantage and raised their doubts. Instructors and Management representiatives actively participated and their doubts were cleared on the spot. Certain suggestions made by the instructors were well received.

Kolkata

- While celebrating the **IETE Foundation Day** on 02nd Nov 2012, the senior members felicitated by the IETE Kolkata Centre were **Shri S N Datta,** Retd CE, DVC **Prof D P Chakraborty,** Retd Professor, Gwalior Univesity, **Shri P K Ghosh,** Retd Chief Engineer, SE Railway, **Prof Ajoy Ray,** VC BESU & **Prof Santosh Chowdhury**, Retd Professor, JU. The lecture on the theme subject **"Indian Wireless Communication Paradigm; Opportunities and Challenges"** was delivered by **Prof (Dr) S L Maskara,** Ex Professor, IIT Kharagpur, Founder Chairman, GS Sanyal School of Telecom, IIT Kharagpur. He gave a detailed account of Global Wireless Spectrum Allocation, Tele-density Comparison, Mobile Generations, 1G-4G. Message from President IETE was read by **Shri H N Pradhan,** Hony Secretary who also delivered the vote of thanks.

- IETE Kolkata Centre celebrated **59th Foundation Day** of IETE by organizing a seminar and , felicitating the senior and Distinguished Members of IETE on 02nd Nov 2012. Hon'ble **Prof (Dr) S L Maskara,** Retd, IIT KGP graced the occasion as Chief Geust. **Shri S Gutpa,** GM, BSNL was the Guest of

Honour and **Dr Bharat Gupta,** Associate Professor, Dept of ECE, Birla Institute of Technology, Mesra, Kolkata Centre was the special guest of the seminar. **Shri S C Rudra,** Chairman, IETE Kolkata Centre spoke briefly about IETE in general and the significance of this special day. **Shri S N Datta,** Retd, CE, DVC; **Prof D P Chakraborty,** Retd, Professor, Gwalior Univesity; **Shri P K Ghosh** , Retd, Chief Engineer, SE Railway; **Prof Ajoy Ray,** VC, BESU & **Prof Santosh Chowdhury**, Retd, Professor, JU, were felicitated on this occasion. **Prof (Dr) S L Maskara,** Ex professor of IIT Kharagpur and founder Chairman of GS Sanyal School of Telecommunications at IIT Kharagpur, was the keynote speaker of the programme and gave a vivid converge on Digital & Micro Electronics, VLSI, Communication Theory-Source and Channel Coding techniques, Signal Processing Techniques & Technology & Computing Technology.

Kozhikode

A seminar on **"Indian Wireless Communication Paradigm: Opportunities and Challenges"** was conducted on 2nd Nov 2012 to celebrate IETE Foundation Day by the Sub-Centre. The Sub-Centre Chairman **Dr Janardhanan** presided over the function. **Prof Pratap G Nair,** Hony Secy, read out the President's Message to the audience before the Chairman's inaugural address. **Shri Rajeev,** a Senior Engineer from BSL Kozhikode delivered the key note address, in which he highlighted the telecom landscape in India which is shifting from voice to data at fast pace. He said about the new Telecom Policy that envisages the commitment of the country for providing Wireless Broad band service to all citizens to improve the economic Development of the country. He was of the view that the Wireless Broad Band would definitely improve the utility services including e-governance, mobile education, health, and banking and will help to bridge the divide between rural and urban India. The subsequent sessions of the seminar were conducted by **Shri Madhusoodanan** another Senior Engineer from BSNL, Kozhikode and **Dr Janardhanan**, Principal KMCT College of Engineering, Kozhikode. The seminar was attended by corporate members of the Sub-Centre and several IETE students

Lucknow

A technical meet on the theme **"Indian Wireless Communication Paradigm, Opportunities and Challenges"** was held on 07th Dec 2012. A number of speakers delivered technical talks on the main and current topics relevant to the theme. On this occasion Foundation Day message of the President, IETE was read by **Shri S C Mishra,** Hony Secretary, IETE Lucknow Centre. **Dr Himanshu Kaiyar, Shri Saurabh Dixit** and **Shri Atul Sharma** of BSNL, spoke on the importance of Wireless Communication and Challenges", while **Shri Prabhakar Dubey,** AIMT, Lucknow, talked on Blue Ray Disk & HD DVD for the consumers.

Mhow

The Mhow Sub-Centre at Military College of Telecommunication Engineering (MCTE), Mhow celebrated the **59th IETE Foundation Day** on 02nd Nov 2012. A technical seminar on **"Indian Wireless Communication Paradigm Challenges and Opportunities"** was organized to observe the event. The Chief Guest **Lt Gen Rajesh Pant**, Commandant Corps,

highlighted the sterling progress made by the country in the field of wireless communications. He also outlined the latest initiatives by the Govt, Defence Forces and IETE in aiding the growth of wireless technologies in the country. **Dr Prakash Vayvhare**, Professor, SGSITS, Indore delivered a talk on **"The Journey of Indian Wireless Communication Technologies"**. **Prof S B Batra**, Professor, IIST talked on Nanotechnology and its Impact on Future Wireless Communication. **Dr Rajesh Boadade**, Hony Treasurer read out the message of President, IETE. Dy Commandant, MCTE, **Maj Gen Harminder Singh**, in his address highlighted the promising future of Wireless Communication Technologies and their impact on the lives of people.

Mumbai

The Centre celebrated **59th IETE Foundation Day** along with launching of celebrations of Diamond Jubilee Year 1953-2013 on 02nd Nov 2012 at IETE House. The welcome address was delivered by **Shri N K Karnani,** TPC Convener. **Shri V K Mahendra,** Chief General Manager, Maharashtra Telecom Circle of BSNL was the Chief Guest and **Dr K T V Reddy,** West Zone Coordinator of IETE was the Guest of Honour, on the occasion. **Dr (Ms) Ashwini Kunte,** Chairperson, IETE Mumbai Centre read out the message of President, IETE for the Foundation Day. The Chief Guest delivered highly informative talk on the theme **"Indian Wireless Communication Paradigm: Opportunities and Challenges"**. Mumbai Centre congratulated **Dr KTV Reddy** on his selection as West Zone Coordinator and the Chairman of ELAN. The event ended with a vote of thanks by **Shri Parag Walinjkar**, Honorary Secretary of IETE, Mumbai Centre.

Nagpur

• **IETE Foundation Day** function was organized on 02nd Nov 2012. **Prof Ashwin Kothari,** VNIT Nagpur, was the Chief Guest & keynote speaker of the function. **Dr M U Deshpande,** Centre Chairman, presided over the function. **Shri Avinash Moharil,** Director Techior Solutions Pvt. Ltd graced the event as Guest of Honour. **Prof Ashwin Kothari**, VNIT Nagpur, delivered a lucid and informative keynote address on the theme **"Indian Wireless Communications Paradigm: Opportunities & Challenges".** He covered all the aspects of the technology, the Indian scenario, the challenges for the Indian market and opportunities for all the sectors such corporate and students and researchers. All the members and students were enthralled by the speech given by **Dr Kothari.**

• IETE Nagpur Centre had also organized a quiz competition for the students of Engineering and Diploma graduates and IETE Student forum members. The theme of the quiz was **"Curiosity - a mission to Mars".** The quiz was conducted online through a web link on 11th Oct 2012 by the Centre. More than 250 students from five different ISFs attempted the online quiz. The First prize (Cash Prize ₹ 3000/-) was Jointly won by Chaitanya Dhopte, Pankaj Malik, Akshay Kale and Nishant Soni of RKNCE, Nagpur. The Second prize (Cash Prize ₹ 2,000) was won by Karan Ghai from RKNCE, Nagpur. Four Cash Prizes of ₹ 500/- each were won by the college toppers namely Rutuja Thatte of Cummins College of Engineering; Ankush Raut of Govt Polytechnic; Ankita Bondre of Kits, Ramtek and Sumit Khalapur of St. Vincent Palloti College of Engineering, Nagpur. Consolation Prize went to Vaibhav Sawatkar of St. Vincent Palloti College of Engineering, Nagpur. The prizes

and certificates were given to the winners and participation certificates were given to the ISF coordinators for further distribution in their colleges. Senior Members felicitated on the occasion were: **Er S P Gorowara** Retd DGP, BSF and **Dr M S Korde**.

Navi Mumbai

IETE Foundation Day was celebrated by IETE Navi Mumbai Centre on 02nd Nov 2012 at SIES, GST Nerul. **Shri N A Kulkarni**, Dy Manager (CD Wireless Division), Centre for Excellence in Telecom Technology & Management, Mumbai, gave a lecture on the theme, **"Indian Wireless Communications Paradigm-Opportunities & Challenges".** He informed the audience the different technical advancements happening in the field especially in the Mobile Communication domain and also the challenges posed thereof. **Dr Alka Mahajan,** Chairperson, IETE Navi Mumbai Centre delivered the welcome address. She informed about IETE in general and Navi Mumbai Centre in particular.

Amity University Noida

IETE-Amity University Sub Centre, Noida celebrated the 59th IETE Foundation Day on 02nd Nov 2012. The Sub-Centre organized a guest lecture by **Shri Sethumadhavan,** Director, Strategy and Marketing, Huawei on theme, **"Indian Wireless Communication Paradigm: Opportunities and Challenges".** Shri Sethumadhavan talked about Global and Indian Wireless Trends. He highlighted that the growth in GSM was almost stagnant and operators with Voice Centric operations would not be able to financially sustain the business by 2020 and data would be the major revenue earner for operator. He also explained that the users would be presented with the contents of their choice. He also explained that the future of telecom was in LTE and advanced LTE which would carry both voice and data services. The lecture was followed by a question answer session and was of immense knowledge both for the students and the faculty.

Palakkad

A two-day National Conference was organized on **"Emerging Trends in Electronics and Communication Engineering"** on 24th-25th Nov 2012. **Dr S Pal,** President, IETE, inaugurated the Conference. The inaugural session was presided over by **Prof P Nanddakumar,** Chairman IETE Palakkad Centre. The welcome address was delivered by **Shri P Babu,** the Hony Secy of the Centre. The Governing Council Members and the Executive Committee Members gathered from various Centres appreciated the 1st conference held in Diamond Jubilee Year at Palakkad Centre. **Prof C Murali**, Governing Council Member, delivered a lecture on **"Beyond 3G"** on the occasion. Out of 47 delegates 25 presented papers on various topics. Valedictory Session was chaired by **Prof P Nandakumar**. After the interactive session, participants were presented certificates by **Shri C K Haridas,** Governing Council Member.

Pilani

Dr S Pal, President IETE vsted B K Birla College of Engineering and Technology, Pilani and IETE Pilani Centre on 04-08th Nov 2012. He delivered lectures on Navigations/ Communication and Electro-magnetics. President IETE had interaction with Scientists of CEERI, Pilani, EC Members of Pilani Centre and VC of BITS. The Vice Chancellor of BITS was requested to open an IETE Students Forum at BITS Pilani and other campuses also.

Pune

• **IETE Foundation Day** was celebrated at the Centre on 2nd Nov 2012. **Prof (Dr) M S Sutaone** delivered a lecture on theme of the Day **"Indian Wireless Communi-cations Paradigm, Opportunities and Challenges".** He deliberated on existing Telecom Environment; Small/Medium Business Telecommunications Trends; What's Possible in the Next Decade and Technology Challenges/Opportunities. On this occasion **Dr M S Sutaone,** Dean-Alumni and International Affairs, College of Engineering, Pune and **Prof S K Khedkar,** a senior member of IETE & Ex-Principal of **Dr DY Patil Institute** of Engineering & Technology, Pimpri, Pune, were felicitated. **Shri M Y Thote, Shri R V Datar, Gp Capt Apte,** Past Chairman and **Prof Kharkar** were present on the occasion. About 40 students attended the function.

A demonstration of how to make a Mobile kit with practical aspects was given to the students on the same day by **Shri Ranjeet Singh,** Manager, Campus Component Pvt. Ltd, Pune, under the training programmes by the Centre. The Centre also announced the constitution of **Dr K R Phadke** Memorial Award and a lecture during April every year in the memory of late **Dr K R Phadke,** to commemorate Diamond Jubilee Year celebrations. It also proposes to organize a Research Paper meet in early 2013 to publish the research work of PhD and M E candidates in a journal during the Year.

• As part of the Diamond Jubilee Year Celebrations, IETE Pune Centre is happy to announce the publication of **"National Journal of Innovation & Research"** the first issue of which is to be published with ISSN number in April/May 2013. The journal is intended to motivate the research activities carried out by Academics, PhD candidates, PG students of various Electronics and Telecommunication Engineering institutions and from industry. The research areas of the journal can be broadly categorized, but not limited to Wireless Communication and RF , VLSI, GPS and Navigation, Mobile Technologies, EMI/EMC,Computer Technology, Power Electronics, Instrumentation, IT, etc.

Ranchi

IETE Ranchi Centre celebrated Foundation Day on 02nd Nov 2012. **Dr (Prof) A A Khan**, Former VC, Ranchi University, Ranchi, was the Chief Guest and Keynote speaker on the occasion. **Dr (Prof) S K Ghorai**, HOD, Dept of E&C , BIT, Mesra Ranchi spoke on **"Optical Wireless Communication"** and **Dr (Prof) Sanjay Kumar**, Dept of ECE, BIT, Mesra, Ranchi, spoke on **"Use of Wireless Communication using ICT".** Shri Sanjay Kumar Jha**, Centre Chairman and **Shri Ajay Kumar**, Hony Secy, of the Centre also addressed the gathering.

Rajkot

A lecture was arranged to celebrate the **59th IETE Foundation Day** 04th Nov 2012. **Er Bhardwaj**, Dy Director (Doordarsan) Rajkot was the Chief Guest of the function and the key speakers included : **Shri Jay Bhatt,** Asstt Prof Govt Engg College, Rajkot; **Dr Manish Jivani,** Associate Prof, Electr Dept, Saurashtra University, Rajkot; **Shri Mohit Parbat**, EC Dept , R K University, Rajkot and **Shri Hiren Parmar**, Asstt Prof Vivekanand College, Rajkot. The members, student members, experts and invitees from different organizations attended the function. The welcome address was delivered by **Dr H N Pandya,** Head of Electronics Dept. Saurashtra University and Ex Hony Secretary IETE Rajkot Centre. **Er C M Devani**, IBS (Retd.) & Chairman IETE Rajkot, spoke about history of IETE and read the message of the President, IETE for the Day.

Sivakasi

The Sub-Centre celebrated the **IETE Foundation Day** on 2nd Nov 2012 at Mepco Schlenk Engineering College Campus, Sivakasi. The welcome address was delivered by **Dr G Indumathi,** Hony Secretary of the Sub-Centre. **Dr S Arivazhagan,** Principal, Mepco Schlenk Engineering College and the immediate past Chairman of IETE Sivakasi Sub centre presided over the function. In his address, he insisted the students and researchers to involve themselves so that to overcome the challenges and utilize the opportunities in Indian Telecommunication. **Dr R Shantha Selva Kumari,** Chairperson, IETE Sivakasi Sub Centre read out the message from the President IETE. The Chief Guest **Shri S Radhkrishnan,** DGM, BSNL, Virudhunagar, delivered the lecture on **"Indian Wireless Communication Paradigm-Opportunities and Challenges",** in which he talked about the revolutionary growth and services of Indian Telecommunication Organization-BSNL and the tremendous growth of Wireless Communication, and how it connects the nook and corner of Indian villages. He also talked about the future of wireless communication by 2020.

Thiruvananthapuram

• The Centre celebrated **IETE Foundation Day** on 02nd Nov 2012 in which student members as well as corporate members were invited. **Shri B R Nair,** the veteran member of IETE was the special invitee and was honoured during the function. **Sri Saju George,** ITS, Additional General Manager, Mobile Services, BSNL Kerala Circle delivered the theme lecture. **Sri R P Nair,** Chairman IETE Trivandrum Centre presided over the function. **Sri S Girishkumar,** former Hony Secy, IETE Trivandrum Centre read the President's message. **Sri. N. A. Abraham,** Hony. Secretary, IETE Trivandrum Centre, proposed the vote of thanks.

• A two-day UGC sponsored national conference on **"Green Computing"** was organized by the Dept of Computer Science, ST Hindu College organized during 5th-6th Dec 2012. Er P Arumugam Pillai, Chairman, ST Hindu College, inaugurated the seminar and **Dr S Arumuga Perumal,** Convener of the Conference welcomed the gathering. The Chief Guest, **Dr P K Chakravarthy,** Banaras Hindu University, in his speech emphasized the importance of Green Computing and released the Conference Book on Green Computing. **Prof Gopinath** Ganapathy released the Conference CD proceedings. **Shri R P Nair,** Chairman, IETE Trivandrum and **Dr A Meenakshisundararajan,** Principal, were felicitated. The four Technical sessions conducted were on : Technical Session-I- **"Recent Trends in Cloud Computing"** by **Dr P K Chakaravarthy,** Prof & Head of Computer Centre, BHU, Varanasi. Technical Session–II was conducted by **Dr Gopinath Ganapathy**, Dir, BUTP, Trichy. The Technical Session –III by **Dr D Shanthi**, Prof of Comp Sc & Engg, PSNA College of Engg, Dindigul. Technical Session-IV on **"Green Data Centres"** was handled by **Dr R Gokulakrishnan,** STPI, Chennai.

Vadodara

IETE Vadodara Centre organized asymposium on the theme **"Indian Wireless Communications Paradigms Opportunities and Challenges"** on 04th Nov 2012 to celebrate **59th IETE Foundation Day**. **Prof M M Pathan,** Chairman IETE Vadodara Centre was the Guest of Honour. About 75 delegates including corporate Members, student members participated in the function. **Prof N D Bhat, Prof D L Shah, Shri AM Nayak, Shri Naresh Kumar Garg, Shri N P Singh, Shri K P Gupta** and **Prof Velamkar** were some of the eminent persons present on the Day. **Prof D L Shah,** Chairman, IE(I), Vadodara Local Centre delivered the welcome address. Message of the President IETE was read by **Prof Satish K Shah,** Coordinator of the Symposium. Two expert speakers invited on the occasion were **Shri Chetan Shah**, DGM-IT, L&T Ltd, Knowledge City, Vadodara who gave a lecture on evolution, keywords, and types of Wireless Technologies, while the second speaker **Prof M D Amipara,** talked on EMI/EMC aspect. He covered EMI coupling mechanism and path for RE/CE and discussed EMC standards and design procedure for reducing EMC. Student competitions were organized at 4 ISFs under Vadodara Centre as a part of celebrations, The prizes were given to the winners of ISFs (BIT, Varnama; CITC, Changa; SVIT, Vasad; MSU, Vadodara) by the dignitaries.

Vijayawada

- IETE Vijayawada Centre celebrated **Foundation Day** under the chairmanship of **DR M Kamaraju,** on 02nd Nov 2012. **Shri M John Chrisostom,** ITS, GM, BSNL, Vijayawada was the Chief Guest and speaker for the function. The IETE President's message was read out by **Shri T Venkateswara Rao,** Hony Secy, IETE Vijayawada Centre. **Shri M John Chrisostom**, was felicitated during the occasion. The function was graced by the attendants of ISF Coordinators, Corporate & Student Members of Vijayawada Centre.

- The Centre, jointly with the Institution of Engineers (India) Local Centre, conducted a lecture on **"VLSI Technology-ICT Applications"** by **Dr K Lal Kishore,** Vice Chancellor, JNTUA, Ananthapur on 01st Nov 2012. The Executive, Corporate and Student Members of IETE & IE(I) Local Centre attended the lecture.

Visakhapatnam

IETE Visakhapatnam Centre celebrated the **59th Foundation Day** on 02nd Nov 2012. **Shri P Nagaraju** delivered a talk on **"Indian Wireless Communications Paradigms: Opportunities and Challenges"** in which he explained at length about the challenges India is facing in the telecommunication arena. **Shri C D Malleswar**, Associate Director, NSTL & Chairman IETE Visakhapatnam Centre, presided over the function. In his talk on **"Evolution of Wireless Mobile Technologies",** he dwelled on the evolution of 1G, 2G, 3G, 4G and 5G technologies. **Prof K Raja Rajeswari,** IETE Governing Council Member and South Zone Coordinator and **Prof GSN Raju,** Principal Andhra University College of Engineering were also present during the function. **Smt D Rajarajeweri Devi** and **Shri Abraham Varughese,** Hony Secretary IETE Visakhapatnam Centre also addressed the gathering. **Shri S V Rangarajan,** Outstanding Scientist & Director, NSTL and Immdt Past Chairman of the IETE Centre and **Shri P Nagaraju, Sr GM, BSNL,** Visakhpatnam, were honoured for their contributions to the IETE Centre Visakhapatnam and society.

ISF Activities

- **ISF at VKR,VNB & AGK College of Engg, Gudivada,** was inaugurated by Dr M Kamaraju, Chairman IETE Vijayawada Centre on **Sep 14, 2012.**

- **ISF** at **Prasad V Potluri Siddhartha Institute of Technology, Kakinada,** conducted a series of events in the month of **Sep 2012**. Event-1 **"Success Secrets for Engineering Student"** by Prof K V Subba Raju, SRKR Engg College, Bhimavaram on **Sept 12, 2012**. Event-2 and 3 **"In-House Paper Presentation Contest"** for II & III year B. Tech ECE Students on **Sept 13-14, 2012**. Event-4 A two-day workshop on **"LabVIEW and Its Engineering Applications"** by Shri Rakshith Jain, Cranes Software International Pvt Ltd, Bangalore, on **Sept 14-15, 2012.**

- **ISF** at **CMR College of Engg & Tech, Hyderabad** was inaugurated by Shri P Padmanabha Rao on **Sept 15, 2012.**

- **ISF** at **Mahakal Institute of Technology & Management, Ujjain** organized a Seminar presentation on **"CMOS VLSI Design"** on **Sep 22, 2012.** Dr U B S Chandrawat, HOD, EC Deptt, Swami Vivekananda College of Engg, Indore, delivered a lecture on different aspects of VSLI Design. An inter college competition on different topics was organized on the same day.

- **ISF** at **GEC, Gudlavalleru,** organized a Technical Expo on **"Application of Electronics"** on **Sept 24, 2012.** Students exhibited 68 different technical models in the Expo. The event was organized with the association of Institute of Engineer's (IE) and Electronics and Communication Engineering Students Association (ECSAt). The forum also celebrated **IETE Foundation Day** on **Nov 02, 2012** by organizing a poster presentation competition for B. Tech students on theme **"Science, Engineering & Technology Applications".**

- **ISF** at **Dharmsinh Desai University, Nadiad,** organized a Tech-Fest "Tech-Crusade" 2012 on **Oct 6, 2012** to improve the technical skills of the students. Students from various branches of Faculty of Technology, DD University, participated in the technical quiz, project presentation and others activities.

- **ISF** at **GITAM University, Visakhapatnam** organized a Guest Lecture on 'Personality Development' by Shri Ram Mohan, famous orator, a motivational speaker and career Counsellor during **Oct-Nov 2012.** About 114 students attended the lecture.

- **ISF** at **Sipna College of Engg & Tech, Amravati** organized with IETE Amravati Centre a two days practical hands on training for **"Cloud Computing"** by Shri Nilesh Sahare, Arcent Technologies, Nagpur on **Oct 3-4, 2012.** Many students from different colleges participated in the workshop.

- An expert lecture by Dr S V Dudul, Prof & Head, Elec Dept,

SGB, Amravati University, was organized for students of **ISF** at **Jawaharlal Darda Inst of Engg & Tech, Yeotmal,** on **Oct 09, 2012.**

- **ISF** at **Guru Nanak Dev Engg College, Ludhiana** celebrated a technical symposium on e-Vision for the benefit of Electronics & Communication Dept Students on **Oct 18, 2012.** About 22 papers were presented on various topics by the students. Dr M S Saini, Director, GNDEC, Ludhiana was the Chief Guest. Prof Nirmal Singh Grewal, HOS (ECE) was the Guest of Honour.

- **ISF** at **VJTI, Matunga, Mumbai,** was inaugurated by Dr Ashwini Kunte, Chairperson, IETE Mumbai Centre on **Oct 31, 2012.** Dr KTV Reddy, Governing Council, was the Guest of Honor on the occasion.

- **ISF** at **Sri Prakash College of Engg, Tuni** was inaugurated by **Dr K Satya Prasad,** Rector, JNTU, Kakinada and Chairman IETE, Kakinada Sub-Centre. On the same day forum organized a seminar on **Advanced Communication Technologies.**

- **ISF**, **Chitkara University, Punjab** held International Conference on Speech Image Biomedical & Information Processing-2012 on **Nov 1-2, 2012.** The conference focused on the latest developments in the field of Signal processing. It also held a major project competition on Dec 10-11, 2012. 150 students participated in the competition and displayed their hard work in the form of project display. Students were awarded with cash prizes of worth ₹ 25000 in five categories of Most innovative project, Best Industrial Application Project, Best Socially Recognized Project, Best Society Integration Project and Best Research Idea.

- **ISF** at **TIT College, Bhopal** organized a lecture on "Recent Trends in Electronics & Communication" by Dr R B Pachori, Professor, IIT Indore on **Nov 3, 2012.** The lecture was quite informative and useful for students and faculty members.

- **ISF** at **Vignan's Institue of Technology and Science** for Women, Guntur, was inaugurated by Dr M Kamaraju, Chairman, IETE Vijaywada Centre on **Dec 12, 2012.**

New Organisational Members of IETE

- ◆ **Royal College of Engineering & Technology (RCET), Thrissur, Kerala, (Org G0453)** is an NRI venture in the field of Technical Education, offering BTech Courses in Computer Science & Engineering, Electronics & Communication Engineering, Civil Engineering, Electrical & Electronics Engineering, Applied Electronics & Instrumentation and Mechanical Engineering. It has the VISION of developing a Centre of Excellence in the field of technical education at par with international standards. It also aims at developing the students into full-fledged professionals to take up any challenging assignments in the changing scenario of the global market. The ISO 9001:2008 certification and accreditation by the Institution of Engineers, India, (IE) proves that they are committed to produce quality results. Further, to nurture their faculty and student fraternities, they have partnered with IIT Bombay as their Remote Centre for knowledge sharing, live online lectures, project assistance to the students. The aesthetically built buildings, well furnished classrooms, lecture theatres, laboratories, workshops, library, and computer centre, etc., offer an ideal environment for pursuit of an excellent professional career.

- ◆ **Silver Oak College of Engineering & Technology (SOCET), Ahmedabad, Gujarat, (Org G0451),** established in 2009, is approved by AICTE and affiliated to the (GTU) Gujarat Technological University. It is located in peaceful surroundings with a vision to impart quality education and to strive to become the centre of excellence in the field of Engineering and Technology. SOCET offers professional degree courses in Mechanical engineering (300 seats), Civil engineering (180 seats), Computer engineering (120 seats), information technology (60 seats) and Electronics and communication engineering (60 seats). The institute provides an excellent infrastructure facility includes state of the art laboratories, fully equipped digital classrooms, fully furnished seminar halls, library with good environment for reading and learning. Mechanical and Civil Engineering departments of the institute have collaborated with the field experts to provide extra coaching pertaining to the software's like AUTOCAD, PRO-E and ANSYS under the guidance of Khodiyar CAD-CAM centre in the college premises. Institute has recently signed a MoU with E-infochip to carry our joint training programmes on Embedded Technology, Robotics and other allied areas to make students more employable. The "APPLE LAB" at Institute is the first of its kind among all other engineering institutes in Gujarat. Placement cell assists the students to get the project work & internships from the industry.

- ◆ **Mahaveer Institute of Science & Technology (MIST), Bandlaguda, Hyderabad (Org G0458)** has been granted the Organizational Membership of the Institution of Electronics and Telecommunication Engineers by **Dr S Pal,** President, IETE in a function held at Hyderabad on 22 Dec 2012. **Shri K Subbi Reddy,** Chairman, IETE Hyderabad Centre as well as **Shri S Surender Reddy,** Secretary and **Dr K S S N Reddy,** Principal, MIST were also present on the occasion.

  The function was organized by the IETE Students' Forum of ECE Dept. MIST. **Sri B Sathyam,** CEO, Neo Silica Technologies, Hyderabad delivered a technical talk on this occasion. **Dr B Visvesvara Rao,** Professor & HOD and **Dr V Gunasekhar Reddy,** Professor, ECE Dept. highlighted the benefits of IETE Organizational Membership.

Dr S Pal, President IETE at MIST, Hyderabad

MINUTES OF THE 58TH (2011-12) ANNUAL GENERAL MEETING HELD AT 1700 HOURS ON FRIDAY, THE 28TH SEP 2012 AT BANGALORE

Shri R K Gupta, President, IETE was in the Chair. The Secretary General confirmed the quorum as required under Byelaw 79. The President then called the meeting to order. The following agenda items were taken.

ITEM-1 TO CONFIRM THE MINUTES OF THE 57TH (2010-11) ANNUAL GENERAL MEETING HELD ON 23RD SEP 2011 AT AHMEDABAD.

1.1 The President stated that the minutes were circulated through the Nov-Dec 2011 issue of the Newsletter (Volume 13, No 6, Page No 17). No comments have been received. The minutes may be confirmed.

1.2 Shri P K Singhal proposed that the minutes of the 57th Annual General Meeting held on 23rd Sep 2011 be confirmed. Shri M L Gupta seconded the proposal.

1.3 The minutes were confirmed.

ITEM-2 TO CONSIDER AND ADOPT THE 58TH ANNUAL REPORT OF THE GOVERNING COUNCIL FOR THE YEAR 2011-12

2.1 The President informed the members that the 58th Annual Report of the Institution for the year 2011-12 was circulated to the members and may be treated as read. However, for the benefit of the members, the President highlighted some important achievements during the year.

2.2 Dr V Gunasekhar Readdy proposed that the 58th Annual Report of the Governing Council 2011-12 be adopted. Prof C Murali seconded the proposal.

2.3 The 58th Annual Report of the Governing Council for the year 2011-12 was accordingly adopted by the House.

ITEM-3 TO CONSIDER AND ADOPT THE AUDITED STATEMENT AND INCOME AND EXPENDITURE ACCOUNTS FOR THE YEAR ENDED 31 MAR 2012

3.1 The Hony Treasurer brought out that the Audited Statement of Accounts for the year 2011-12 was circulated to the members. He further highlighted the salient points of the Balance Sheet and Income and Expenditure account.

3.2 Shri K S Prakash Rao proposed that the Audited Statement of Accounts consisting of the Auditor's Report, Balance Sheet and Income and Expenditure Account for the year ending 31st Mar 2012 be adopted. This was seconded by Shri K Subbi Reddy.

3.3 The House adopted the Auditor's Report, Balance Sheet and Income and Expenditure Account for the year ending 31st Mar 2012.

ITEM-4 TO APPOINT AUDITORS FOR THE YEAR 2012-13

4.1 The President stated that the Governing Council had recommended M/s Gupta Ajay & Associates, Chartered Accountants, New Delhi to be appointed as Statutory Auditors for the year 2012-13 at an annual remuneration of ₹ 27,000/- plus taxes.

4.2 Shri M L Gupta proposed that M/s Gupta Ajay & Associates, Chartered Accountants, New Delhi be appointed as Statutory Auditors for the year 2012-13 at an annual remuneration of ₹27,000/- plus taxes. This was seconded by Shri D Rajagopal.

4.3 Accordingly, M/s Gupta Ajay & Associates, Chartered Accountants, New Delhi were appointed as Statutory Auditors for the year 2012-13 at an annual remuneration of ₹ 27,000/- plus taxes.

ITEM-5 ANY OTHER POINT

5.1 The President informed that no points were received from the Members for discussion in the AGM as per Byelaw 69. He, therefore, invited suggestions from the Members to improve the image of the Institution. The points which emerged during the discussion were as under:-

(a) Publication of IETE Technical Review/Journal of Research

Some Members proposed that, while the quality of papers presently being published in Technical Review/Journal of Research should be maintained, the number of articles should be increased. The President informed that the HQ IETE has already received some proposals from Centres for publishing Journal on lines of Technical Review. He further said that the matter will be further deliberated by the Publications Committee and some Centres will be identified to publish local Centre Journals. He further emphasized that the quality of standard will have to be maintained.

(b) Publication of the Proceedings of the ATC/ MTS

It was proposed by some members that the abstract of the proceedings should be published during ATC/MTS. The President said that the proposal will be looked into by the Publication/ Technical Programmes Committees.

(c) Recognition of IETE Courses

Some Members proposed that continuous efforts should be made to obtain approvals/ recognition of the various courses conducted by IETE by Universities/State Boards and other Educational Institutions of National Eminence. The President said that the HQ IETE is making continuous efforts in this regard and assured the House that all out efforts will be made to get recognition from Universities/ State Boards and other educational institutions of National Eminence.

5.2 The President thanked all the Members for their valuable suggestions.

VOTE OF THANKS

6. The meeting ended with a vote of thanks to the Chair.

(S R AGGARWAL)
Secretary General

Ref: IETE/58th AGM/12
07 Jan 2013

DISTRIBUTION

1. President and Members of the Governing Council
2. All Corporate Members of IETE

MINUTES OF THE 1ST (2011-12) SPECIAL GENERAL MEETING HELD AT 1800 HOURS ON FRIDAY, THE 28TH SEP 2012 AT BANGALORE

Shri R K Gupta, President IETE was in the Chair. Secretary General confirmed the quorum as required under Byelaw 79, and thereafter, the meeting was called to order.

ITEM-1 CONFIRMATION OF THE 1ST(2009-10) SPECIAL GENERAL MEETING OF CORPORATE MEMBERS HELD ON 24 SEP 2010 AT IETE HQ, NEW DELHI

1.1   The President informed that the minutes of the 1st (2009-10) Special General Meeting of the Corporate Members were circulated through the Nov-Dec 2010 issue of the IETE Newsletter (Vol 12, No 6, Page No 17). No comments were received.

1.2   Prof M Basavaraj proposed that the minutes of the 1st(2009-10) Special General Meeting of the Corporate Members be confirmed. It was seconded by Wg Cdr K C Bhardwaj (Retd).

1.3   The minutes were confirmed.

ITEM-2 CONSIDERATION OF AMENDMENT TO BYELAWS

2.1   The President gave details of each proposed amendment to the Byelaw as circulated vide IETE/M/323/1st-SGM/2011-12, contained in Annual Report 2011-12, as given below:-

Existing

41 (b).   In each year, not later than the last working day of January, the Secretary General shall send to each Corporate Member on the roll of the Institution, a list (directory) of the Corporate members in good standing and entitled for nomination (s) as on31st December of the previous year. Along with this list (directory) he shall indicate the number of vacancies that are to occur in the year for the election to the Council.

Proposed

41 (b). (i)   Once in five years, not later than the last working day of January, the Secretary General shall send a Directory of the Corporate Members in good standing and entitled for nomination(s), as on 31st December of the preceding year.   For the remaining four years, not later than the last working day of January of each year, the Secretary

General shall send a list of Corporate Members enrolled up to 31st December of the preceding year and entitled for nomination(s) along with a list of Corporate Members whose names were deleted as on 31st December of the preceding year. Along with this list, he shall indicate the number of vacancies that are to occur in the year for the election to the Governing Council.

(ii)   Thus, the total number of Corporate Members in good standing and entitled for nomination(s) as on 31st December each year, will be the Corporate Members listed in the Directory plus the list(s) of corporate members in good standing and enrolled, which are added subsequently up to 31st December of that year and minus the list(s) of members deleted up to 31st December of that year.

(iii)   The Secretary General shall, not later than the last working day of January in each year, update the list of Corporate Members in good standing and entitled for nomination(s) as on 31stDecember of the preceding year on the IETE Website.

Existing

43 (a).   In the event of there being a ballot the Returning Officer shall prepare ballot papers. The Returning Officer shall not later than the 15th May in each year or such date as the Council may approve, post the ballot papers along with the biodata to the Corporate Members in good standing and entitled to vote as on 31st March at their recorded addresses issued by the Secretary General.

Proposed

43   (a)   In the event of there being an election, the Returning Officer shall, prepare ballot papers required for both postal Ballot system and for on-line voting system simultaneously. The Secretary General shall, supply to the Returning Officer, the list of Corporate Members participating in postal ballot system and another list of Corporate Members participating in the on-line voting system along with their postal addresses and email addresses. The Returning Officer shall, not later

than the 15th May in each year or such date as the Governing Council may approve, post the ballot papers along with the bio-data to the Corporate Members in good standing and entitled to vote as on 31st March at their recorded addresses issued by the Secretary General.

The Returning Officer shall also not later than the15th May in each year or such date as the Governing Council may approve, put up the ballot papers along with the bio-data on the IETE On-line Voting Website.

The present postal ballot system shall be discontinued by the Governing Council in three years of time both for Governing Council elections at IETE Head Quarters and Executive Committee elections at IETE Centres.

2.2   The SGM, after detailed discussion, unanimously approved the above proposed amendments. It was also unanimously approved that the Directory of Corporate Members 2012 be considered as the base for implementation of the proposed Byelaw and thereafter, only addenda will be issued subsequently.

VOTE OF THANKS

3.   There being no other item, the meeting ended with a vote of thanks to the Chair.

(S R AGGARWAL)
Secretary General

Ref: IETE/1st(2011-12)SGM/12

07 Jan 2013

DISTRIBUTION

1.   President and Members of the Governing Council
2.   All Corporate Members of the Institution

Book Review

"Computer Communication Networks"

The book authored by **Prof C.Murali,** IETE Governing Council Member and Prof & Head, ECE Dept, RGIT, Bangalore, is published by Reed Elsevier India Pvt Ltd, in 2012. The book attempts to bring in various aspects of Computer Networks. It has less mathematical treatment and the stress is more on fundamental and concepts. The book has several notable features to make it concise and simple for students to understand and test their knowledge acquired. It is also a good reference material for the practicing network engineers.

Important Notice

IETE is proposing to switch over to an **Online Voting System** for elections, w.e.f. 2013, both for the Governing Council as well as Centres. In order to enable this electronic system, it is essential that all members intimate their e-mail IDs and telephone / mobile numbers to IETE HQs to update IETE data bank.

OBITUARY

Wg Cdr B R Chawla(F003284) was associated with IETE for a long time. During his 51 years' experience, he served the IAF for 27 years and was actively involved in academic activities for 24 years. He had attended a number of National and International Conferences/Seminars and authored two books for MBA/BBA Stream. He also worked as Skill Testing Expert and Verifier in all technical fields for City & Guilds, UK and visited many countries.

IETE fraternity conveys heartfelt condolences on his sad demise.

Press Clippings...

आने वाला युग अंतरिक्ष संचार का युग : सुरेंद्र

IETE Conference Inaugurated

MALYALA MANORAMA

National IETE Meet to be Held