

FROM PRESIDENT'S DESK



At the outset, let me thank the IETE Governing Council and all IETEians for electing me as the President of this prestigious Institution. I accept this honour with all humility and assure you that I will try to prove myself worthy of the faith you have expressed in me. I will put all efforts to meet your expectations and try to make IETE a much vibrant, visible and pragmatic Institution with your help. Like my predecessors, I shall also focus on creation of more facilities for our students in all the IETE Centres, Sub-Centres and try to get further recognitions for our academic programmes. In IETE, at present, we work in a five-pronged strategy: the foremost is academics followed by publications, conducting technical events, focusing on research & consultancy and taking up societal responsibilities. IETE is making significant contributions to Indian Technical Educational Paradigm by spreading professional education, focusing on far-flung areas, working individuals, economically and socially weak strata of the society and also physically challenged citizens. IETE is also committed to social justice, industrial upgradation, technical knowledge dissemination and human resource development. Our endeavour in future will be to strengthen the five pillars of IETE sphere of activities and explore new horizons with the specific objective so that IETE takes a quantum jump from the solid foundation laid by our founding fathers, past presidents and fellow IETEians.

There is a rapid evolution of technology in more specialized fields and we are duty-bound to keep our fraternity abreast with the latest developments by conducting technical events on cutting edge technologies. IETE Annual Technical Convention is a flagship event of IETE in this direction. The recently conducted 55th Annual Technical Convention at Bangalore on *AMPERE – Paradigm shifts and Impact of ICT* was a great success. The event was graced by Dr Kris Gopalakrishnan, Co-Founder & Executive Co-Chairman, Infosys, as the Chief Guest. The other dignitaries included: Dr V K Saraswat, Scientific Advisor to Raksha Mantri, Secretary Defence R&D and DG, DRDO, who was conferred the highest honour of the Institution - the Honorary Fellowship and Prof Roddam Narasimha, FRS who delivered the 44th Bhabha Memorial Lecture. IETE honoured Prof (Dr) R P Shenoy, father of Radar Technology in India with Life Time Achievement Award (posthumously), which was received by Mrs Shenoy. IETE also conferred Distinguished Fellowships on Prof (Dr) M Basavaraj and Late Maj General K B Jhaldiyal, AVSM (Retd) (posthumously). IETE also honoured Prof S Narayana Past President for his long-outstanding service, spanning more than two decades and two senior members: Shri H O Agrawal, DF & Vice President and Shri P P Malhotra, Chairman ICC, who had completed three terms. We gratefully acknowledge their

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IETE HQs, New Delhi



significant contributions to the overall growth of IETE. The ATC was held by IETE in most professional manner and the efforts put in by the Technical Programmes Committee, Zonal Coordinator (South), Organizing Committee – ATC 2012 and Chairman, IETE Bangalore Centre were commendable. In the Convention, deliberations were held on the significant impact of ICT on industrial applications in fields like Automobile, Medical, Power, Entertainment, Railways & Education (AMPERE). It also highlighted the importance of ICT in achieving inclusive growth of technology in these fields. Discussions evoked in the technical sessions showed keen interest of participants in the deliberations. The Convention was very well organized and participated by large number of engineers, academicians and professionals from industry and R&D organizations.

The 44th Bhabha Memorial Lecture delivered by Prof Roddam Narasimha, FRS on the topic, “A Next Generation Turboprop: Why an Indian PPP for a Global Venture can now be a Winner” was in fact, a glimpse of the future technology. Dr V K Saraswat, in his speech, emphasized the importance of having our own cyber and electronic security measures and need for Indian industries getting involved in strategic electronic developments and manufacturing. The 35th IETE-Ram Lal Wadhwa Award Lecture delivered by the Awardee Prof Bhabani P Sinha on, “Bandwidth and Energy Management in Mobile and Sensor Networks” was another important feature of the Convention. The talk by Shri Vidyashankar, IAS, Principal Secretary, Govt of Karnataka, on e-Governance became the most discussed and informative talk. All the talks and lectures were well received by the delegates. The three-day IETE Electro-Spectra Expo too witnessed an overwhelming response from the delegates. I place on record my heartfelt thanks to all the dignitaries, invitees, delegates, speakers, exhibitors, guests and IETE members for their presence in the Convention and giving valuable inputs.

IETE has always encouraged excellence in performance by our students and recognized their outstanding achievements through IETE Academic Awards. This year 52 Academic Awards have been given to meritorious students during the Students’ Session of the Annual Technical Convention. I congratulate them on their excellent achievement. I am sure these incentives will encourage other students also to perform better and enhance the level of academic excellence. On our part, we shall always keep updating the syllabi of our Academic Programme and look forward for more recognition. IETE also honoured a large number of working professionals and academicians across the country, for their outstanding contributions in various fields, by giving them a number of prestigious awards.

IETE conducted a special seminar on *Healthy Life Style* in September 2012 - coinciding with the Engineers’ Day - at IETE HQs keeping in view the importance of healthcare in our busy life. There is no doubt in saying that much better engineering operations can be performed if we follow healthy life style. The seminar was well attended. IETE also signed an MOU with IEEE –MTT Society for a long term mutual co-operation.

With new initiatives in mind, I urge you all to introspect and assess our strengths as well as weaknesses and help to initiate innovative measures to sustain our glorious legacy. I look forward to your support in this endeavour. Your feedback & suggestions to improve our activities are always welcome. I also take this opportunity to convey my greetings and good wishes to everyone on the occasion of the on-going festive season. I wish the whole IETE fraternity and their family members Happy Deepawali.



Dr S Pal



News from Headquarters

Report on 55th IETE Annual Technical Convention at Bangalore

IETE organized its 55th Annual Technical Convention to discuss the significant impact of ICT on industrial applications in fields like Automobile, Medical, Power, Entertainment, Railways & Education (AMPERE). It highlighted the importance of ICT in achieving inclusive growth of technology in these fields. The conference was very well organized and participated by large number of engineers, academicians and professionals from industry, R&D organizations, defence etc.

The 55th IETE Annual Technical Convention was held at the NIMHANS Convention Centre, Bangalore, from 29th to 30th Sep 2011 on the theme, “AMPERE– Paradigm Shifts and Impact of ICT”. The topic was chosen keeping in view the significant role of ICTs in almost all fields. The event was graced by **Dr Kris Gopalakrishnan**, Co-Founder & Executive Co-Chairman, Infosys, as the Chief Guest. The other dignitaries on the dais included: **Dr V K Saraswat**, Scientific Advisor to Raksha Mantri, Secretary Defence R&D and DG DRDO; **Prof Roddam Narasimha**, FRS; **Shri R K Gupta**, President IETE; **Dr Surendra Pal**, Distinguished Scientist & President-Elect, IETE; **Shri H O Agrawal**, Vice President, IETE and Chairman, Technical

Programmes Committee; **Shri K S Prakash Rao**, Vice President, IETE & Zonal Coordinator (South); **Prof D Narayana Rao**, Co-Chairman, Technical Programmes Committee; **Wg Cdr (Retd) H R Parthasarathy**, General Chair, ATC-2012 and **Shri D Rajagopal**, Chairman, IETE Bangalore Centre.

In his welcome address, **Shri H O Agrawal**, Vice President, IETE and Chairman, Technical Programmes Committee said that the theme of the Convention had been selected keeping in view the fact that during the last decade, the applications of ICTs had grown manifold in almost all fields. A paradigm shift in technology had resulted due to the impact of



Dignitaries lighting the inaugural lamp



Dignitaries during the inaugural ceremony

applications of ICTs. He complimented IETE Bangalore Centre for volunteering to host the Convention and leaving no stone unturned to make it a real success.

A detailed overview of the 55th ATC and the technical sessions was given by **Wg Cdr (Retd) H R Parthasarathy**, General Chair, ATC-2012. He said that choosing the theme for the Convention was an involved task and selection of Session Chairpersons and Speakers was also equally important. He hoped that deliberations on paradigm shift and impact of ICTs on fields like Automobile, Medical, Power, Entertainment, Railways and Electronics in Education (AMPERE) would generate lot of interest among delegates. He said that the 'Electro-Spectra Expo-2012' which was organized as a parallel event, would showcase products & activities of various manufacturers, research organizations and Govt agencies towards application of ICTs in various fields.



Mrs Shenoy receiving the IETE Life Time Achievement Award conferred on Late Prof (Dr) R P Shenoy

With a brief introduction about the achievements of Late **Prof (Dr) R P Shenoy** by **Dr M H Kori**, the IETE Life Time Achievement Award 2012 was conferred posthumously on **Prof (Dr) R P Shenoy** by the Chief Guest which was received by Mrs Shenoy. **Prof S Narayana**, Past President, IETE was felicitated by the Chief Guest for his distinguished services to IETE. **Prof (Dr)**



Conferral of IETE Distinguished Fellowship on Prof (Dr) M Basavaraj

M Basavaraj was conferred the Distinguished Fellowship of IETE for 2012-13. Late **Maj Gen K B Jhaldiyal, AVSM (Retd)** was also conferred the Distinguished Fellowship of IETE for 2012-13 posthumously. **Shri H O Agrawal**, Vice President and Chairman, Technical Programmes Committee and **Shri P P Malhotra**, Chairman, Industrial Coordination Committee, who served the



Sh D Rajagopal, Chairman, IETE Bangalore Centre receiving the 1st Best Centre Prize



Prof (Ms) Ashwini Kunte, Chairperson, IETE Mumbai Centre receiving the 2nd Best Centre Prize



Dr Anil Jain, Chairman, IETE Ambala Sub-Centre receiving the 1st Best Sub-Centre Prize

Institution for three terms, were also awarded. **IETE-Ram Lal Wadhwa Award** for outstanding original contributions in the field of Electronics & Telecommunication Engineering was given to **Prof B P Sinha**, Professor and Dean of Studies, Indian Statistical Institute, Kolkata. The Best Performing Centres/Sub-Centres of IETE declared on this occasion for the year 2011-12 were: IETE Bangalore Centre (1st Prize); IETE Mumbai Centre (2nd Prize) and IETE Ambala Sub-Centre (1st Prize).

The 44th **Bhabha Memorial Lecture** was delivered by **Prof Roddam Narasimha**, FRS, who was introduced to the audience by **Shri K S Prakash Rao**, Vice President & Zonal Coordinator (South). The topic of the Lecture was, “**A Next Generation Turboprop: Why an Indian PPP for a Global Venture can now be a Winner**”. Giving historical background of the pioneering work done by Padma Bhushan **Prof Homi Jahangir Bhabha**, FRS; Prof Narasimha dwelled at length on Next Generation Turboprops. Giving details of the current and futuristic Turboprop Projects the world over, he concluded his lecture with the future initiatives as: inviting global partnership bids, making Turboprop a national flagship project, revamping National Civil Aviation Regulatory structure and setting up a Government/Private Industry/RD&E Consortium.

The Presidential address was delivered by **Shri R K Gupta**, President IETE. He said that the applications of ICTs were evident in almost all fields like in automobiles, navigated assistant and fuel injection timings. ICT served as the basis for telemedicine & remote controlled robotic surgery in the medical field. Similarly power through efficient Smart Grids had a role of ICT in it. Not only in the fields of entertainment & railways, but also in education ICT provided virtual teachers, efficient support systems and tele-education. Informing that the Institution had achieved remarkable success to meet its goals, he highlighted some new initiatives taken during the last two years. He also informed that on successful completion of his two years' tenure as President, IETE, he was going to hand over the charge to his successor **Dr Surendra Pal** – an eminent scientist of our country & veteran IETEian. He concluded his address by conveying his sincere thanks to all fellow IETEians for giving their unstinted support.

Dr V K Saraswat, Scientific Advisor to Raksha Mantri, Secretary Defence R&D and DG, DRDO was conferred the Honorary Fellowship 2011-12 of IETE by the Chief Guest **Dr Kris Gopalakrishnan**. **Prof D Narayana Rao**, Co-Chairman, Technical Programmes Committee read the Citation. Speaking on the occasion, Dr Saraswat said that the Government and industry should jointly work to create safe indigenous electronic software and hardware systems for the defence sector. He said that an integrated manufacturing infrastructure was also required to make anti-jam, non-detectable, high speed devices and communication links. He urged the industry and scientists to develop chips for missiles, satellites and aircrafts based on nanotechnology and micro-electro mechanical systems. He opined that cyber security was a major concern because all networks using commercial



Conferment of IETE Honorary Fellowship on Dr V K Saraswat

systems were vulnerable to malware and we must aim for temper-proof, non-bypassable data security.

The Souvenir cum Proceedings of the Convention was released by the Chief Guest and other dignitaries on the occasion.

With the announcement of election of **Dr Surendra Pal** as the President of IETE by the Dy Secretary, IETE, **Dr Surendra Pal**, Distinguished Scientist & former Satish Dhawan Prof & Senior Adviser, SATNAV, ISRO was installed as the President, IETE for the year 2012-13 by the Chief Guest **Dr Kris Gopalakrishnan**. Speaking on the occasion, **Dr Surendra Pal** thanked the IETE Governing Council and all IETEians for imposing faith in him and said that he would do his best to meet the expectations to make IETE a much stronger Institution. He elaborated the aim of ATC and said that applications of ICTs were finding ways in almost all fields including automobiles, medical, power, entertainment, railways and education. He said that IETE had voluntarily adopted socially relevant and progressive programmes for the society. He said that like a pentagon, IETE had five vertices of major activities namely Academics, Publications, Professional activities, Research & Consultancy and Advisory services. He concluded his address urging the industry to take advantage of the qualified, trained and experienced manpower of IETE. He also announced the names of three new Vice-Presidents and four Zonal Coordinators of IETE.

Dr Kris Gopalakrishnan, Co-Founder & Executive Co-Chairman, Infosys was introduced to the audience by **Dr MH Kori**, Chairman, Organizing Committee. In his inspiring address, Dr Gopalakrishnan recollected the memories of the first computer as seen at IIT Madras and said that since then the technology had changed manifolds. The effect of ICT applications in fields like automobiles, communication, entertainment and education etc. had become visible resulting in exponential growth in productivity. He emphasized that the present day trends needed more research initiatives on software and hardware applications resulting in the development of our own products. He emphasized on sustainable development and affordable technology for overall growth. He concluded his address with the expectations that the deliberations in



Dr Surendra Pal being installed as President IETE for the year 2012-13 by the Chief Guest.

the Convocation would cover how to improve the quality & quantity of research, how to convert research into businesses, how to increase competitiveness and what type of mission mode projects should be taken up to achieve the status of a developed economy.

The Inaugural Session came to an end with a formal vote of thanks proposed by **Shri D Rajagopal**, Chairman, IETE Bangalore Centre. The Chief Guest **Dr Kris Gopalakrishnan**, Co-Founder & Executive Co-Chairman, Infosys then inaugurated the 'IETE Electro-Spectra Expo 2012'. Many renowned organizations displayed their products/ information material in the Expo for the benefit of participants.

Technical Session-I on '**Medical Electronics**' chaired by **Prof S Narayana**, Scientist G, NGRI (Retd), Former President IETE started with the Invited Talk by **Dr Pawan Kapoor**, Director, CSIO-CSIR on the topic, "Bio-Medical Instrumentation Research Applications: CSIO-CSIR Achievements". The speakers in the Session included: **Dr R P Gupta**, Chairman, IETE Bhopal Centre, who spoke on, "Cluster Wireless Sensor Network for Remote Areas Health Care Monitoring"; **Shri Harish Kumar B**, MSRIT, Bangalore, delivered his talk on the topic, "Eyes that Speak". The Technical Session-II was on '**Power Electronics**' and the Session Chairperson was **Ms K S Meera**, Joint Director, CPRI, Bangalore.



The Chief Guest receiving the memento from the President IETE.

The session started with the invited talk by **Dr C K Pithawa**, Distinguished Scientist & Head, Electronics Div, BARC, Mumbai on the topic, "Electronics in Nuclear Power Generation & Indian Scenario". The Speakers in this Session were: **Mrs P N Sharada**, Dept of Instrumentation, KNSIT, Bangalore on, "Control Panel Upgradation of LOD Grinding Machine Using S7-200 PLC"; **Shri Arun Kumar M**, Asst Professor, EPCET, Bangalore on the topic, "A simple Multilevel Inverter with Reduced Switch Count" and **Ms Rashmi**, MSRIT, Bangalore on, "VSC-HVDC System for Feeding Passive Industrial Loads". **Prof K Raja Rajeswari**, Dean of Studies, College of Engineering, Andhra University was the Chairperson of the Technical Session-III on, "**Automobile & Railway Electronics**". **Dr S V Vidyashankar**, Principal Secretary, Govt of Karnataka, delivered the first talk on, "Impact of ICT in Governance" while the second invited talk was delivered by **Shri S Muralikrishna**, Group Manager, Accord S/w & Systems (P) Ltd on the topic, "Applications of GNSS for Transport Management". In this Session, papers were presented by: **Shri Venkatesh**, MDG, ISRO Satellite Centre, Bangalore on the topic, "Vehicular Ad-hoc Network based Railway Emergency Response System" and **Ms Harshita S Nigam**, **Dr D Y Patil** IET, Pune on, "Vehicle Fault Monitoring, Detection and Safety using Wireless Technology".

The second day of the Convention started with the 35th **IETE-Ram Lal Wadhwa Award Lecture** delivered by the Awardee **Prof Bhabani P Sinha**, ACM Unit, ISI, Calcutta on the topic, "**Bandwidth and Energy Management in Mobile and Sensor Networks**". In his lecture, Prof Sinha emphasized on the important research problems of channel allocation and energy-efficient communication in the domain of mobile and sensor networks. He concluded his presentation informing that the results of this research led to energy-efficient communication in low power wireless sensor networks with direct applications to rural healthcare, agriculture sensor networks and distant education. The Lecture was followed by the "IETE-Awards Ceremony" in which IETE Awards were given to outstanding professionals in recognition of their excellent and outstanding achievements. **Shri R K Gupta** and **Dr Surendra Pal**, President, IETE gave away the IETE Awards to the Awardees of IETE Main Awards and IETE Best Paper Awards. Technical Session-IV held on the topic, "**Entertainment and Education**" was chaired by **Prof B S Sonde**, Former Vice-Chancellor, Goa University. **Dr Anil Kumar**, DDG, Doordarshan Kendra, Bangalore delivered invited talk on the topic, "Impact of ICT Enabled Technologies on TV Broadcasting". The Speakers in this Session included: **Shri Ajoy Raman**, Fellow IETE, Bangalore on the topic, "Universal Analog Hardware Test Bench" and **Ms Archana M**, Asst Professor, Dept of MCA, RVCE, Bangalore on, "Perceptive of Information Retrieval for Computer Aided Learning".

The Valedictory Session was chaired by **Dr A Kalghatgi**, Director R&D, BEL, Bangalore. The panelists included **Dr Surendra Pal**, President IETE; **Shri R K Gupta**, Outgoing President, IETE; **Shri H O Agrawal**, Vice President, IETE and

Chairman, Technical Programmes Committee; **Prof B S Sonde**, Former Vice Chancellor, Goa University; **Prof K Raja Rajeswari**, Dean of Studies, College of Engineering, Andhra University; **Wg Cdr (Retd) H R Parthasarathy**, General Chair ATC-2012; **Dr M H Kori**, Chairman, Organizing Committee and **Dr H Ramakrishna**, (Retd) Chief Scientist, CRL, BEL, Bangalore. Summing up the deliberations, Dr Kalghatgi said that the convocation was very well organized and the presentations were rich in contents. The Technical Sessions evoked discussions which showed keen interest of participants in the deliberations. He opined that young researchers and scientists should be encouraged to present papers. The vote of thanks was proposed by **Dr M H Kori**, Chairman Organizing Committee.

The pre-convention Tutorials were held on 28th September 2012 on the topic, “Smart Grid” during pre-lunch

session and the other on, “Automotive Electronics” during post-lunch session. Besides the main event, poster presentation was also held on 29th & 30th September 2012 in which ten papers were presented.

On 28th September 2012, pre-convention meetings were held which included Students’ Session in which Governing Council Members interacted with students to resolve issues related to various aspects concerning students followed by presentation of IETE Academic Awards to students, 6th (2011-12) Governing Council Meeting, Special Joint Governing Council Meeting, 58th Annual General Meeting, 1st Special General Meeting and 1st (2012-13) Governing Council Meeting was also held. The Convention was successful in achieving its objectives and serving as a valuable platform for sharing views on the applications of ICTs.

Seminar on “Healthy Life Style”

A seminar on “**Healthy Life Style**” was held on 15th Sep 2012 at IETE HQs, New Delhi. **Dr (Prof) Vijay Gupta**, Professor & Head, Department of Cardio Thoracic & Vascular Surgery (CTVS), Dr Ram Manohar Lohia Hospital, New Delhi, graced the occasion as the Chief Guest. Other dignitaries on the dais were: **Shri R K Gupta**, President IETE; **Shri H O Agrawal**, Vice President, IETE & Chairman Technical Programmes Committee, **Dr Surendra Pal**, Distinguished Scientist & President-Elect, IETE along with the distinguished speakers: **Dr (Mrs) Sharda Verma**, Senior Chief Medical Officer, CGHS, Noida; **Dr Uma Shankar Sharma**, Chief Medical Officer, Kailash Institute of Naturopathy, Ayurveda & Yoga, Greater Noida and **Dr S Bhattacharya**, Consultant Endocrinology, Kailash Hospital, Noida.

Shri H O Agrawal delivered the welcome address and gave an overview of the seminar. Highlighting the importance of healthy life style, he said that we tend to forget our healthcare in view of our busy life. He hoped that the participation of medical professionals and the galaxy of expert speakers on different health related topics would result in making the participants wiser & more knowledgeable to keep fit & healthy and maintain a healthy life style.

In his address, **Dr Surendra Pal** reminded the audience about the Engineers’ Day being celebrated on 15th Sep every year in India in the memory of Bharat Ratna Sir M Visvesvaraya and said that it was really beneficial to listen to the engineers of the human body on the Engineers’ Day. He said that much better engineering operations could be performed if we follow healthy life style. Thanking the President, IETE **Shri R K Gupta** for arranging such a special seminar, he concluded his address saying that if we followed even 10% of the doctors’ advice on healthy life style, we could keep good health and become much better engineer.

Shri R K Gupta, President IETE, highlighted the importance of Engineers’ Day and said that everyone including

engineers needed to take care of health. Citing the example of **Sir M Visvesvaraya**, who lived for 101 years, he said that the befitting tribute to this great engineer would be to talk about healthy life style. He thanked the doctors for accepting the request to be the distinguished speakers for today’s seminar and share their rich experiences with us. He informed that apart from technology, motivational & health related seminars would also be conducted by IETE in future. He expressed the hope that the deliberations in this special seminar would be highly interactive and useful for the participants. He concluded his address saying that for the growth and progress of the Institution.

The first presentation was given by **Dr S Bhattacharya**, Consultant Endocrinology, Kailash Hospital, Noida. Talking on the topic “Diabetes & Lifestyle Diseases”, Dr Bhattacharya covered the historical background and reasons for obesity and highlighted the importance of exercise to maintain the balance in calorie intake & energy utilized. Highlighting the serious implications of diabetics, he discussed the need for global awareness, control & management of diabetes and steps for prevention of diabetes. **Dr Uma Shankar Sharma**, Chief Medical Officer, Kailash Institute of Naturopathy, Ayurveda & Yoga, Greater Noida, delivered the next presentation on the topic, “Benefits of Naturopathy in Day-to-Day Life”. Highlighting the importance of five great elements of nature i.e. earth, water, sun, air & sky, he explained the basic principles of nature cure and said that patients own will to get well, determination and faith were very essential for nature cure treatments. He concluded his presentation with tips for healthy living. The third speaker **Dr Sharda Verma**, Senior Chief Medical Officer, CGHS, Noida gave presentation on, “Osteoporosis”. She discussed the structure of bones and explained how the bones become osteoporotic. She discussed the preventive measures and explained the need of taking calcium in appropriate quantities, sun-bath, exercise and daily consumption

Glimpses of 55th IETE Annual



Technical Convention - 2012



of milk for making bones strong and healthy. The Chief Guest **Dr (Prof) Vijay Gupta**, HOD, CTVS Department, Dr RML Hospital & PGIMER, delivered his address on the topic, “Lifestyle modifications in coronary artery disease”. He explained the reasons for Coronary Artery Disease (CAD) with the help of videos and said that CAD was the most common killer in the world including India where the disease affected with greater frequency and at a younger age than counterparts in developed countries. He discussed the lifestyle modifications needed to prevent the disease.

A vibrant interactive session followed the presentations in which a number of questions/doubts raised by participants were answered.

Shri S R Aggarwal, Secretary General, IETE, proposed the formal vote of thanks.



Dr (Prof) Vijay Gupta, Chief Guest receiving memento from Shri R K Gupta, President IETE.

Apex Forum on “Road Ahead for LTE in India-Opportunities & Challenges”

The IETE Apex Forum (2011-12) on “Road Ahead for LTE in India – Opportunities & Challenges” was held on 11th September, 2012 at IETE Hyderabad Centre. **Prof V S Rao**, Director, BITS, Pilani-Hyderabad Campus, graced the occasion as the Chief Guest. **Dr T H Chowdary**, DF & Past-President, IETE, delivered how the keynote address. Other dignitaries shared the dais were: **Shri R K Gupta**, President, IETE; **Shri P P Malhotra**, Chairman, Industrial Coordination Committee; **Shri K Subbi Reddy**, Chairman, IETE Hyderabad Centre and **Shri K Gnaneshwar Rao**, Hony Secretary, IETE, Hyderabad Centre. The expert panelists included: **Shri Sanjeev Banzal**, Advisor TRAI, New Delhi; **Dr J Klutto Milleth**, CEWIT, IIT, Chennai; **Shri P Sudhakara Rao** ITS, Deputy General Manager, BSNL, Hyderabad; **Ms P Aruna**, CTO, Bharati Airtel Ltd, AP Circle; **Shri G K Satyanarayana**, ECIL, Hyderabad and **Shri G Sathesh Reddy**, Scientist ‘H’, RCI, Hyderabad. The technical session was moderated by **Shri P V Muralidhar**, PGM, BSNL, Hyderabad. **Prof B L Deekshatulu**, Padamshri and DFIETE; **Prof S Narayana**, Immdt Past President, IETE; **Shri K S Prakash Rao**, Vice-President, IETE; **Dr V Gunasekhar Reddy** and **Sh N Namassivaya**, the IETE; Governing Council members also graced the occasion. A large number of professionals from BSNL, academia, industry, service providers, and students participated in the forum.

Shri K Subbi Reddy welcomed the dignitaries, special invitees, expert panelists, the moderator, guests and the participants. **Shri P P Malhotra** in his overview address highlighted activities of Industrial Coordination Committee for enhancing the competitive strength of industrial sector to face the global competition. He mentioned that globally the deployment of LTE is moving at a fast pace and in India it is still at infancy stage.



Dignitaries on the dais

The recent BWA spectrum auction in 2011 would pave the way for large scale introduction of LTE in the country. He cautioned that the cost & technology strategies; regulatory issues of security and policy framework; broadband strategies and standardization & ITU frame work, etc. were some of challenges and issues for deployment of LTE in India, which need to be deliberated in the forum. He complimented the IETE Hyderabad Centre for organizing the Apex Forum successfully.

Dr T H Chowdary in his keynote address on “Roll Out of LTE Progress & Challenges” highlighted details on mobile penetration in India in the last decade; technology evolution of mobile systems; evolution for data access; scenario of LTE deployment globally vis-a-vis in India and he stressed on the need of tariff regulation and affordability of the LTE Technology—reaching the services up to aam-aadmi.

Shri R K Gupta, President IETE in his address said that emphasis should be laid on communication services and network connectivity. He said that rural areas still lacked connectivity which was the root cause of gap between gross enrollment ratios in rural & urban areas. Highlighting the need for communication

skills in IETE students, he assured institution's continuous selfless efforts in this direction. **Prof V S Rao**, Director, BITS, Pilani-Hyderabad Campus in his inaugural address appreciated the significant role played by IETE in the fields of Electronics and Telecommunications. Talking of communication revolution, he said that with the development of 3G & 4G technologies the dream of reaching the rural areas would become reality. Distance education with efficient technologies could reduce the gap for learners. He talked about the ongoing project at BITS, Pilani, which would connect all campuses and enrich the members. The Chief Guest also requested the people with knowledge reservoirs to visit universities and colleges to encourage younger generation. **Shri P Padmanabha Rao**, Hony Treasurer, IETE Hyderabad Centre, proposed the vote of thanks.

Shri P V Muralidhar, PGM, BSNL, Hyderabad, moderated the technical session, which started with the presentation of **Shri Sanjeev Banzal** on "Road Ahead for LTE in India: Opportunities and Challenges" who informed about increase in teledensity in India from 7% in 2004 to 78.66% in 2012. He opined that the evolution of LTE would help the customer to transmit and receive the future higher demand of data in Gigabytes with minimum charges. He suggested challenges and solutions, removing the technology/service restrictions on the usage of bands, harmonizing the spectrum, move towards m-government applications, e-commerce, e-health, e-education etc to create a critical mass for the development/use of local applications and contents. **Dr J Klutto Milleth**, in his presentation on "LTE Deployment in India: Challenges and Focus" informed that India deployed 2G and 3G technologies after maturity. But LTE is being deployed in India along with the rest of the world. He mentioned about high cost of available devices and suggested for reducing the cost by mass adoption, sharing of infrastructure, and establishing in-house R&D and echo system for better utilisation of the technology at affordable cost. **Shri P Sudhakara Rao** talked on "Beyond 3G: LTE- Challenges & Opportunities for TSPs". He covered the present scenario and the opportunities available for migrating to LTE, cellular technology evolution. He illustrated the short comings of the 3G technology over the LTE technology. About LTE capabilities, he mentioned about its increased spectral

efficiency and said its seamless integration of Internet applications would drive the convergence between fixed and mobile systems and facilitate new types of services. **Ms P Aruna**, in her presentation on "LTE Opportunities and Challenges" covered details of Mobile broadband & need for LTE, features, options and challenges of LTE and the role of the operators in successful deployment of LTE in India. She also informed about the successful launch of LTE by Airtel as a pilot project in Kolkata and Bangalore. **Shri G K Satyanarayana**, in his presentation on "LTE – Security Implementation and Concerns" emphasized on LTE and the aspects related to security implementation. He explained the different security algorithms and concluded his talk with protection mechanism against the unsolicited communication in IMS. **Shri G Satheesh Reddy**, a recipient of many awards and honours, explained briefly about the evolution of LTE and its utility in India. **Shri P V Muralidhar**, PGM, BSNL Hyderabad, summarized the presentations during panel discussions and said that such forums would pave way for availability of new technologies at affordable cost.

Recommendations

- ✦ LTE can be a good alternative in view of non availability of impressive fixed broadband information.
- ✦ Need to set up and encourage in house R&D in advanced technologies like LTE for better utilisation and availability of the technology at affordable cost.
- ✦ Provide seamless communication, particularly at higher bandwidths by adopting synchronisation of networks, optimisation of base transceivers stations etc.
- ✦ Need of tariff regulation and affordability of the LTE Technology--reaching the services up to aam-aadmi.
- ✦ Need to look into the network security aspects.
- ✦ To have standard Infrastructure sharing policy-sharing both active and passive infrastructure among the cellular operators.
- ✦ TD-LTE Smartphone to be introduced in the Indian market at an affordable price.
- ✦ Removing the technology/service restrictions on the usage of bands, harmonizing the spectrum and
- ✦ Move towards m-government applications, e-commerce, e-healthcare, e-education to encourage mass adoption.

Memorandum of Agreement

A 'Memorandum of Agreement (MoA)' between the Institution of Electronics & Telecommunication Engineers (IETE) and The Microwave Theory and Technique Society (MTT-S) of the Institute of Electrical and Electronics Engineers, Inc (IEEE) was made on 5th Oct 2012. Exchange of conference papers, registration for conferences, publications, affiliate membership, mutual promotion, provision of speakers and web based instructional modules were some of the activities covered under the Agreement. The MoA was signed by **Dr S Pal**, President, IETE and **Mr Nick Kolias**, President, IEEE MTT-Society in the presence of prominent members from both the sides. Other dignitaries who graced the occasion included: **Shri Madhu Gupta, Prof Shibam Koul, Shri R K Gupta, Shri M L Gupta, Shri P K Singhal, Dr S K Aggarwal, Col Balraj Anand, Shri H O Agrawal and Shri P P Malhotra.**



Dr S Pal, President IETE felicitating Mr. Nick Kolias, President IEEE MTT-S.

News From Centres

Ahmedabad

- IETE Ahmedabad Centre organized a special lecture on “**Digital Signal Processing and its Applications**” by **Dr N P Gajjar**, Associate Prof, Nirma University, Ahmedabad on 9th Sep 2012. The lecture was attended by large number of Students and IETE members.
- The Centre also organized a lecture on “**LTE (Long Term Evolution) Systems**” by **Prof Kiran Parma**, HOD (EC Dept), LDCE on 30th Sep 2012.
- IETE Ahmedabad Centre also organized a workshop on “**Fundamentals of Embedded System using Computer**” by **Pranav Shah** on 30th Sep-2nd Oct 2012. 31 students participated in the workshop.

Bhopal

- The Centre celebrated Teachers Day as well as World Education Day on 8th Sep 2012.
- IETE Bhopal Centre celebrated Engineers Day in association with SCOPE College, Bhopal on 15th Sep 2012. **Dr R P Gupta**, Chairman IETE Bhopal Centre inaugurated the function. **Dr D S Raghav**, Principal, SCOPE College elaborated the importance of the Engineers Day.

Chandigarh

The Centre started Technical Lecture series for the benefit of students. The first Lecture was on “**Tele-education/e-Education**” by **Dr Pawan Kapur**, Director, CSIR-CSIO, Chandigarh, on 26th Aug 2012. The lecture was focused on “Tele-Academics, Technology & Applications” and was well received & appreciated.



Dr Pawan Kapoor, Director, CSIR-CSIO, Chandigarh delivering the Technical Lecture

Guwahati

The Centre organized a felicitation programme & seminar on 27th Aug 2012 to felicitate **Miss Meenakshi Goswami**, a student of IETE Guwahati Centre securing 6th position in AMIETE (Computer Science) final examination (All India Rank) held in Dec 2011. A technical lecture on “**Optical Fiber**” by **Shri Chinmay Sharma**, Dy Chief Engineer (Pipeline Business Development), Oil India Ltd, Narengi. **Shri Tasiruddin Ahmed**, Hony Treasurer, proposed the vote of thanks.

Kanpur

IETE Kanpur Centre jointly with IEL, Kanpur Local Centre celebrated 45th Engineers Day on 15th Sep 2012. **Dr A K Chaturvedi**, Dean, R&D, IIT Kanpur, was the Chief Guest, **Dr Anoop Singh**, Professor, Dept of Indl Mgmt & Engg, IIT, Kanpur was the speaker. He delivered a lecture on “**Low Carbon Growth Strategy for Energy Sector: Role of Technology, Policy and Regulations**”.

Kolkata

IETE Kolkata Centre organized a seminar on “**Global e-Health Care-Present Trends**” on 8th-9th Sep 2012. **Smt Chandrima Bhattacharya**, Hon’ble Minister of State, Health & Family Welfare Dept, Govt of West Bengal was the Chief Guest and **Sri Sujit Bose**, MLA, Govt of honour. West Bengal & Vice Chairman of Nabadiganta, Salt Lake was the Guest of Honor **Prof (Dr) Ajoy Roy**, Vice Chancellor, Bengal Engg and Science University, was the keynote speaker, **Prof (Dr) Samir Kumar Bandyopadhyay**, Vice Chancellor, West Bengal University of Technology, also graced the occasion with his presence.



Sh S C Rudra, Chairman IETE Kolkata Centre, addressing the delegates

Mumbai

- IETE Mumbai Centre organized a Technical Lecture on “**The Role of Electronics and ICT for a Smarter Grid**” by **Mr Joby George**, GM(O&M)-HTM, Reliance Energy on 18th Aug 2012. **Mr George**, in his talk explained the role of electronics and ICT for a smarter grid. Giving its advantages discussed in details, how it could be produced and developed further.
- IETE Mumbai Centre also celebrated fourth Anniversary of IETE House on 14th Sep 2012. **Dr Ashwini Kunte**, Chairperson, IETE Mumbai Centre welcomed the dignitaries. The event was graced by **Dr U Saravana Kumar**, Head, HIS, IAD, BARC who delivered a technical lecture on “**Isotope Applications for Societal Benefits**”.



Dr Ashwini Kunte, Chairperson, IETE Mumbai Centre, addressing the delegates

Mysore

- IETE Mysore Sub-Centre in association with Dept of E&CE, ATME College of Engg, Mysore and IE(India) organized a two-days Zonal Level workshop on “**ARM 7 and its Applications**” on 23rd-24th Aug 2012. There were 300 students participants from various colleges. **Sh Jeevan Katariya**, Director, M/s SPJ Embedded Technologies, Pune was the Chief Guest.
- The Centre organized one day workshop on “**Robotics**” on 30th Sep 2012. **Prof C R Nataraj**, Academic Chairman, IBot Engineers, Mysore inaugurated the workshop.

Pilani

A Zonal Seminar (North) was organized by IETE Pilani Centre on 6th-7th Sep 2012 on the theme “**Photonic Devices & LTCC Technology**”. **Dr Chandra Sekhar**, Director, CEERI, Pilani was the Chief Guest. **Shri M L Gupta**, Vice President, IETE also graced the occasion.



Sh M L Gupta, Vice President, IETE, addressing the delegates

Rajkot

IETE Rajkot Centre organized a technical lecture on “**PMSG Based Wind Energy Conversion System**” by **Prof Joshi Siddharth**, Electronics Dept, R K University, Rajkot on 15th Sep 2012.

Ranchi

IETE Ranchi Centre conducted Zonal Seminar on “**Nano Technology**” on 2nd-3rd Sep 2012. His Excellency the Governor of Jharkhand **Dr Syed Ahmed** was the Chief Guest, **Shri D K Singha**, CGM, Jharkhand telecom circle was Guest of Honor, **Shri R K Gupta**, President IETE presided the function, **Dr (Prof) T K Bhattacharya**, HOD, E&C, IIT Kharagpur delivered the Key note address on this occasion.



Sh R K Gupta, President IETE welcoming the Chief Guest with floral bouquet

Salem

IETE Salem Centre organized the Vikram Sarabhai Memorial Lecture on 25th Jul 2012 on the topic “**The History of Navigation**” by **Prof KN Suryanarayana Rao**.

Shimoga

- IETE Shimoga Sub-Centre, in association with Dept of Comp Science & Engg of JNN College of Engg, Shimoga, organized a two days workshop on “**Internet Awareness Programme for Women**” on 18th-19th Jun 2012. The workshop was inaugurated by **Dr R Srinivasa Rao Kunte**, Principal JNNCE, Shimoga. All the participants, majority of them being housewives, appreciated the usefulness and relevance of the programme.
- IETE Shimoga Sub-Centre in association with Dept of Comp Science & Engg of JNN College of Engg, Shimoga conducted a Faculty Development Programme on “**MATLAB and LATEX**” ON 23rd-27th Jul 2012. The programme was inaugurated by **Shri S V Thimmaiah**, Secretary, NEC, Shimoga. The programme was attended by 75 faculty members and 20 IETE Corporate Members.

Sivakasi

IETE Sivakasi Centre in association with Dept of ECE, Mepco Schlenk Engg College organized the second “**Techno**

blaze’12” lecture cum group discussion on 13th Sep 2012. On this occasion, **Shri Navin Dhinesh**, Asst Prof, Mepco Schlenk Engg College, Sivakasi delivered a lecture on “**Phishing**”.

Vijayawada

- **Dr M Kamaraju**, Prof &HOD, Dept of E&CE, Gudlavalleru Engg College & Chairman, IETE Vijayawada Centre was awarded the Best Teacher Award by **Prof G Tulasi Ram Das**, Vice-Chancellor, JNTU, Kakinada, AP.
- The Centre in association with Gudlavalleru Engg College organized a two days workshop for Faculty Development on “**VLSI and Embedded System Design**” on 7th-8th Jul 2012. The workshop was inaugurated by **Dr S R K Reddy**, Director, Gudlavalleru Engg College.
- IETE Vijayawada Centre also celebrated “**Engineer’s Day**” on 15th Sep 2012. A Guest lecture was organized on “**Embedded Systems: A View**” by **Dr M Kamaraju**, Chairman, IETE Vijayawada Centre.

ISF Activities

- **ISF at Panimalar Institute of Technology, Chennai**, organized a one day workshop on “Wireless Communication” on **6 Jul 2012**. Col (Retd) K S Chakravarthi, Chairman IETE Chennai Centre delivered the inaugural address.
- **ISF at Erode Builder Educational Trust’s, Kangayam**, was inaugurated by Prof M E Paramasivam, Hony Secretary, IETE Salem Sub-Centre on **18 Jul 2012**. About 81 students were registered as Student Members from various colleges.
- **ISF at Mahendra Engineering College, Mahendhirapuri Namakkal**, organized a guest lecture on “Engineering Era” by Shri K Naveen, Software Engineer, Intel Corporation, Bangalore on **20 Jul 2012**.
- **ISF at Gandhi Varalakshmi Venkatarao Institute of Technology, Bhimavaram**, was inaugurated by Dr K Satya Prasad, Rector, JNTUK, Kakinada on **21 Jul 2012**. **ISF at Kongu Engineering College, Erode**, conducted the Inter Departmental Technical Symposium “Vibrant; 12” by Dr G Murugesan, Vice Chairman, IETE Salem Sub-Centre on **4 Aug 2012**. The forum also organized a special lecture on the topic “**Power Plant Instrumentation**” by Shri I Thangaraju, Asst Engg, Barrage Power Plant, Mettur on **18 Sep 2012**.
- **ISF at Mepco Schlenk Engineering College, Sivakasi**, organized a guest lecture on “Orientation Lecture on Placement & Higher Studies” by Shri N Swaminathan, Dy GM, Vistamin, Chennai on **9 Aug 2012**. The Forum also organized a two day workshop on “Line Follower Robots Using Arduino Kits” on **25-27 Sep 2012**.
- **ISF at Gyan Ganga Institute of Technology & Management, Bhopal**, organized a Guest Lecture on “Embedded System” by Shri Abhigyanam, IndEyes Infotech Pvt Ltd on **23 Aug 2012**.
- **ISF at Sandip Polytechnic, Nashik**, was inaugurated by Shri S A Badane, Hony Treasurer, IETE Sub-Centre, Nashik on **Aug 2012**.
- **ISF at K S Rangasamy College of Technology, Salem**, was inaugurated by Shri J Santhanakrishnan, former Dy General Manager-Enterprise Business, BSNL, Chennai on **23 Aug 2012**. Shri MA Aravind, Hony Secretary, IETE Salem Centre delivered the welcome address.
- **ISF at BIT, Vemama, Vadodara**, organized a seminar on “PCB Designing” on **26 Aug 2012** and an orientation session on **27 Aug 2012**.
- **ISF at Karunya University, Coimbatore**, organized a talk on “Unified Communication and Security” by Prof Vinod Edward on **27 Jul 2012**. A seminar on “Mock

- Stress Interview-Competition” on **7 Aug 2012** and a Technical Quiz on “Electronics and Communication” were also held in the ECE Dept on **10 Aug 2012**.
- **ISF at Shri Angalamman College of Engg & Tech, Tiruchirappalli**, jointly with ECE Dept of the college organized a workshop on “Artificial Neural Networks and Applications”-WANNA-2012 on **24-25 Jul 2012**.
 - **ISF at Sinhgad Institute of Technology, Lonavala**, organized one day workshop on “Opportunity in Electronics System Design and Manufacturing Sector” on **1 Sep 2012**.
 - **ISF at Nandha College of Technology, Erode**, was inaugurated by Dr S Jayaraman, Chairman IETE Salem Sub-Centre on **5 Sep 2012**.
 - **ISF at Sri Ramakrishna Institute of Technology, Coimbatore**, celebrated Engineers’ Day on **17 Sep 2012**. Shri N D Prabu, MD, Six Phrase, Coimbatore inaugurated the event.
 - **ISF at AVCOE, Sangamner**, organized a Guest Lecture on the occasion of Engineers Day on **15 Sep 2012**.
 - **ISF at Bansal College of Engg, Mandideep**, organized an Expert Lecture on the topic “RADAR” on **21 Sep 2012** by Prof P Yadav.
 - **ISF at Ranganathan Engg College, Coimbatore**, organized a Guest lecture on “Recent Trends in Mobile & Telecommunication” on **18 Sep 2012** by Prof K Gangadharan.
 - **ISF at Gudlalleru Engg College, Gudlalleru**, organized a two-days workshop on “Digital Image Processing and Lab Practice” on **27-28 Jul 2012**. A total of 200 students from various Engg Colleges participated in the workshop. Engineers Day was celebrated by the forum on **15 Sep 2012** in association with the Institute of Engineers (India) ECE Student Chapter. An Essay writing competition on the topic “Role of Engineer in the Society” was organized on this occasion. A talk on “Engineering Contribution for Efficacy” was also delivered by Prof B Karun Kumar, Prof & Dean Planning & Monitoring, Gudlalleru Engg College. The ISF also organized a guest lecture on “Latest Trends in Designing Embedded Systems” by Shri S Nagendra, MD, Unistring Tech Solutions Pvt Ltd, Hyderabad on **1 Sep 2012**.
 - **ISF at MET’s College of Engg, Nashik**, in association with students of Communication and Electronics Deptt organized “METEORITE-12”, a technical event, on **13 Sep 2012**. The event was inaugurated by Prof A A Bhargave, Principal Dr V P Wani Engg College.
 - **ISF at GH Rasoni Institute of Engg & Tech, Pune**, conducted “Awareness Program on Nuclear Power” on **26 Sep 2012**. Shri P M Mishra, NPCIL delivered a lecture on “Indian Energy Scenario-Role of Nuclear Energy” and Shri R R Sahaya, CFD &FA, NPCIL delivered a lecture on the topic “Nuclear Power Technology” on this occasion.
 - **ISF at ST Vincent Pallotti College of Engg & Tech, Nagpur**, was inaugurated on **21 Sep 2012** by Dr M U Deshpande, Chairman, IETE Nagpur Centre in a function held at the college premises.
 - **ISF at Cynnubs College of Engg for Women, Higna**, was inaugurated by Dr D A Deshpande, Past Chairman of IETE Nagpur Centre on **15 Sep 2012**. On this occasion, a technical event was also organized.
 - **ISF at K L University, Guntur**, organized an Inter Departmental Paper Presentation Contest “VYAKHYAN-12” on **17 Sep 2012**. The theme of the Contest was “Save the Earth”. 23 teams participated in the event.
 - **ISF at GITAM Institute of Technology, Visakhapatnam**, was inaugurated by Shri V Sheshadri, IAS (Collector and Dist Magistrate, Visakhapatnam) on **11 Sep 2012**. The Chief Guest also delivered a lecture on “The Role of Youth in building the Society”. The forum organized an event on “3D” on **22 Sep 2012**. The event targeted on testing the team work, technical knowledge, general knowledge and logical reasoning skills of the participants.
 - **ISF at M P Nachimuthu M Jagannathan Engg College, Erode**, conducted a National Level Technical Symposium TRENTECH 2012-13 on **29 Sep 2012**. Shri C Chandrasekhar, Country HR Manager, Bestshore Application Services, Global IT-India was the Chief Guest. The Forum also organized a special guest lecture on “Transmission Lines & Wave Guides” on **4 Oct 2012** which was delivered by Shri P Dananjayan, Chairman, CBCS, Pondicherry Engg College, Pondicherry.
 - **ISF at Guntur Engg College, Guntur**, organized a technical visit to Doordarshan HPT, Kondapalli and Doordarshan Studio, Vijayawada for the benefit of B.Tech III year students on 29 Aug 2012 and celebrated Engineers’ Day on **15 Sep 2012**.
 - **ISF at MIST, Hyderabad**, was inaugurated by Shri R K Gupta, President, IETE on **10 Sep 2012**.
 - **ISF at JBREC, Hyderabad**, organized a Guest Lecture on “Importance of Probability in Communication” by Shri Tara Sai Kumar, HOD CMR on **7 Sep 2012**.
 - **ISF at Ranganathan Engg College, Coimbatore**, organized 4th National Level Technical Symposium-VISHMAYA’12 on **29 Sep 2012**.
 - **ISF at TKMCE, Kollam**, organized a quiz competition on “E-Quest” on **12 Aug 2012**. Thirty three teams having two members in each team participated in the quiz competition.
 - **ISF at ACE, Ambala**, organized Engineers’ Day on **15 Sep 2012**.

New Organisational Member of IETE

Gandhi Institute for Technological Advancement (GITA) (G0444), Bhubaneswar is one of the technical institutions run by Vidya Bharati Educational Trust (VBET). The Institute is approved by All India Council for Technical Education (AICTE) under Ministry of HRD, Govt. of India, recognized by the Govt. of Odisha and is affiliated to Biju Patnaik University of Technology (BPUT), Rourkela. GITA came into existence in the capital city Bhubaneswar in the year 2004 under dynamic leadership of Dr. Satya Prakash Panda, Chairman, Dr. Chandra Dhvaj Panda, Secretary and Vice-Chairman Mr. Biranchi Narayan Panda. The college made an earnest beginning with four engineering branches.

The college has grown over the years and added further engineering branches. Master of Technology in Computer Science, Electrical and Mechanical along with Master in Computer Application and Master in Business Administration have also been started. GITA has state-of-the-art laboratories, air-conditioned library, Wi-fi internet facilities, Hostel for both boys and girls, gymnasium, playgrounds etc. It has learned faculties who are devoted towards all-round development of the students.

Book Review



“Data Communications and Computer Networks”

The book, authored by **Prof C Murali, (F090040L)** IETE Governing Council Member and Prof & Head, ECE Dept, RGIT, Bangalore is published by Reed Elsevier India Private Limited in 2012. The book attempts to bring in various aspects of data communications and computer networks. It has less mathematical treatment and the stress is more on fundamentals and concepts. The book has several notable features to make it concise and simple for students to understand. It is also a good reference material for the practicing network engineers.

Achievement



Dr Maddu Kamaraju (F188534L) Chairman of IETE Vijayawada Centre has been awarded the Doctor of Philosophy (Ph D) Degree by the Jawaharlal Nehru Technological University, Hyderabad (JNTUH). He published 36 Research papers in various International & National Journals and Conferences. Presently he is working as Professor & Head, Dept of E&CE, Gudlavalluru Engg College, AP.

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.

We solicit your earnest and active involvement to implement online voting system at IETE.

OBITUARY

IETE fraternity conveys heartfelt condolences on the sad demise of the following IETEians.



Shri K D Pavate (F018992L) a graduate of Ferguson College, Pune and Post Graduate of Cambridge University had worked with the Metropolitan-Vickers Electrical Co Ltd in Manchester UK for three years. On returning to India, he joined CEERI, Pilani and moved to Delhi as the Head of the CEERI Centre. After his retirement, he became a member of the Literacy Mission. He has written four popular science books and published many technical papers in International & National Journals. He was closely associated with IETE Delhi and Bangalore Centres.



Shri Syed Mahboob Ali (M 060201) was the senior most Member of IETE Aligarh Sub-Centre. He did his best possible efforts to establish various facilities at the Centre. His efforts to create infrastructure at the Centre were appreciated by all members of the Centre. He passed away on 25th Aug 2012.

Press Clippings...

विकसित तकनीक से जर्मे में सिमटा सब कुछ

आइटीई का नैनो टेक्नोलॉजी पर सेमिनार रायचल गांवो



रायचल गांवो में आयोजित आइटीई के नैनो टेक्नोलॉजी पर सेमिनार में भाग ले रहे लोगों की तस्वीरें।

नैनो टेक्नोलॉजी से जाड़ गाव

रायचल गांवो



नैनो टेक्नोलॉजी पर आयोजित सेमिनार में भाग ले रहे लोगों की तस्वीरें।

नैनो तकनीक से ही विज्ञान की सफ

होटल कैपिटल हिल में नैनो टेक्नोलॉजी पर आयोजित जेनरल सेमिनार में संतुष्ट



जेनरल सेमिनार में भाग ले रहे लोगों की तस्वीरें।

विज्ञान के विकास में नैनो टेक्नोलॉजी महत्वपूर्ण

रायचल गांवो



रायचल गांवो में आयोजित आइटीई के नैनो टेक्नोलॉजी पर सेमिनार में भाग ले रहे लोगों की तस्वीरें।

नैनो टेक्नोलॉजी से मिली नई दि

रायचल गांवो



रायचल गांवो में आयोजित आइटीई के नैनो टेक्नोलॉजी पर सेमिनार में भाग ले रहे लोगों की तस्वीरें।

महानिर्देशक वरुण सिंह

रायचल गांवो



रायचल गांवो में आयोजित आइटीई के नैनो टेक्नोलॉजी पर सेमिनार में भाग ले रहे लोगों की तस्वीरें।

Govt calls for use of nanotechnology in agri, medical sectors

Dr. Syed Ahmad at IETE zonal seminar in Ranchi on Sunday.



Dr. Syed Ahmad at IETE zonal seminar in Ranchi on Sunday.

नूतन परीक्षणों से विद्युत् संचालित

रायचल गांवो



रायचल गांवो में आयोजित आइटीई के नैनो टेक्नोलॉजी पर सेमिनार में भाग ले रहे लोगों की तस्वीरें।

'Safe communication system needed for defence sector'

Create indigenous electronic software, hardware: Saraswat



Dr. V.K. Saraswat at IETE zonal seminar in Ranchi on Sunday.

Senior missile scientist G Sathesh Reddy (left) receiving the B V Baliga Memorial Award-2012 from Dr S Surendra Pal, president, Institution of Electronics and Telecommunication Engineers (IETE), at NIMHANS Convention Centre on Sunday (JITHENDRA M)

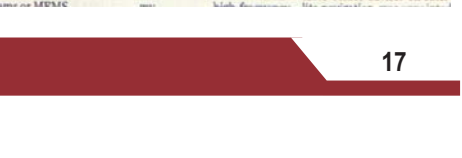


TOP HONOUR

Senior missile scientist G Sathesh Reddy (left) receiving the B V Baliga Memorial Award-2012 from Dr S Surendra Pal, president, Institution of Electronics and Telecommunication Engineers (IETE), at NIMHANS Convention Centre on Sunday (JITHENDRA M)



Senior missile scientist G Sathesh Reddy (left) receiving the B V Baliga Memorial Award-2012 from Dr S Surendra Pal, president, Institution of Electronics and Telecommunication Engineers (IETE), at NIMHANS Convention Centre on Sunday (JITHENDRA M)



IETE GOVERNING COUNCIL FOR THE YEAR 2012-13



(Sitting L to R- 1st Row): Prof (Ms) Ashwini Kunte, Prof (Dr) M Basavaraj (Vice-President), Prof C Murali, Prof (Ms) K Raja Rajeswari, Dr V Gunasekhar Reddy, Shri PK Singhal, Shri Harsh Vardhan, Dr C Ghanshyam, Col (Retd) K S Chakravarthi, Dr(Ms) Nayanathara K Sattiraju

(Sitting L to R- 2nd Row): Shri Subbireddy Kovvuri, Dr Pawan Kapur, Prof (Wg Cdr) P Prabhakar (Retd), Sh R K Gupta(Immdt Past President) Dr S Pal (President), Lt Gen Ashok Agarwal, PVSM (Retd) (Immdt Past President), Shri M L Gupta(Vice-President), Shri V Appakutty (Vice-President), Dr K T V Reddy, Dr S K Aggarwal

(Standing L to R-3rd Row) : Dr M H Kori, Col Balraj Anand (Retd), Shri P S Sundaram , Brig S C Anand (Retd), Shri S C Rudra, Prof Shreenivas R Jog, Dr R P Gupta, Shri D Rajagopal, Dr S Arivazhagan , Wg Cdr K C Bhardwaj(Retd), Prof (Col) S L Kapoor, Shri C K Haridas

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