



IETECH SPARKS

News Bulletin from IETE chennai Centre
(Free circulation for IETE members only)

Volume 2
Issue 3
Jul - Sep 2012

Col (Retd) K S Chakravarthi
Chairman

Er S Muruganandam
Immediate Past Chairman

Dr V Thulasibai
Hony Secretary

Dr D Vijendrababu
Hony Treasurer

Executive Committee

Er P Mohandoss
Er G Selvam
Dr PM Beula Devamalar
Dr Swarna Ravindrababu
Er Ananthesh Rao

Co-opted Members

Er V Chinnappiah
Dr M P Pillai

Editorial

Er V Chinnappiah
Dr V Thulasibai
Dr Swarna Ravindra Babu

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IETE

President 2012 -13

Dr Surendra Pal

Dist.FIETE, FNAE, FIEEE(USA), FNASc, FIET(UK)
MIAA (France), MAMTA, MASI, FVEDA



Dr S Pal is an alumnus of Birla Institute of Technology & Science (BITS), Pilani and Indian Institute of Science (IISc), Bangalore, India; formerly, Distinguished Scientist, Associate Director and also Program Director, Satellite Navigation Program at ISRO Satellite Centre; Prof Satish Dhawan Professor & Senior Advisor Satellite Navigation Programme (ISRO). He joined ISRO in 1971, after a brief tenure at Tata Institute of Fundamental Research. Dr Pal pioneered the Microwave, Antenna RF communications activities at the ISRO Satellite Centre since the inception. Dr Pal is also responsible for pioneering satellite based navigation activities in India. He spearheaded the Indian Satellite Based Wide Area Augmentation System – GAGAN (GPS Aided Geo Augmented Navigation System) and Indian Regional Navigation Satellite System (IRNSS) activities for aviation for civilian & restricted users. He is the originator of Indian Navigation Satellite Programme. These two programmes initiated by him at ISRO will have huge technological impact and benefit to a host of users in the Asia Pacific region.

His knowledge in his various areas of expertise, has been utilized, as consultant, by many national and international organizations, eg. (i) INMARSAT/ICO (UK) for LEOSAT definitions, responsible for the development of Satellite Hand Held Telephone Antenna System for ICO (UK) (ii) International Telecommunication Union (ITU) for defining Regional African Satellite Communication System and (iii) Nanyang Technological University, Singapore, on X-Sat. He was also the Chairman of Information Infrastructure Working Group of Ministry of Information Technology. He had also carried out special antenna developments for DRDO, India.

Dr Pal was also on the United Nations panel of experts on Global Navigation Satellite Systems (GNSS) and chaired/participated in various UN meetings at Vienna, Geneva and at other international venues. Dr Pal a Distinguished Fellow of IETE, Fellow of Indian National Academy of Engineering, The National Academy of Sciences, India Fellow IEEE (USA), IET (UK), MIAA (Paris), FVEDA, MASI is associated with several other Professional Societies and Academic Institutions. He has received more than one and a half dozen national and international awards, including, IEEE Third Millennium Medal, Prof S N Mitra Memorial Award (INAE), IETE Ramlal Wadhwa and Hariramji Toshniwal Gold Medals. Besides these he holds Indian, European & International patents for his various inventions. In the year 2010 IEEE announced its top level awards and him to be the recipient for the prestigious IEEE-2010 Judith A Resnik Award. He is the first Indian national and first Professional to get this prestigious award East of France. Was conferred the coveted "BITS Pilani Distinguished Alumnus Award 2012" in recognition of his significant and outstanding contributions to his profession in the category of "Professional Management of Business."

Dr Pal has published more than 220 papers in international and national journals of repute, one book on Communications, guided number of Ph D students and has been on the editorial board of many technical journals. He is a Distinguished Visiting Professor of Indian National Academy of Engineering & Distinguished Lecturer of IEEE-USA. Under the IEEE scheme, he has delivered invited talks, tutorials and lectures on antennas, satellites, GNSS, and space communications at NTU Singapore and University of Cape-Town, Stellenbosch University, Cape Peninsular Technical University, CSIR, Dept of Science and Technology, Republic of South Africa and Bradford University, UK. Dr Pal is also Senior Adviser on ICT curriculum and other academic matters to newly formed Institute of ICT–Ahmedabad University, Gujarat.

Dr Pal has a long association with IETE in various capacities including as a council member. He is one of the active organizers of IRSI – Bangalore and Initiator of ISM. These two conferences have become very popular globally.

His fields of interest are: RF Communications, Space Technology, Microwaves, Electromagnetics, Antennas, Radars, Digital Communication and Satellite Navigation.

Our congratulations to Dr Surendra Pal on his election.



Message from the Chairman

Esteemed Members,

I am honoured to be elected Chairman of Chennai Centre , which is one of the top ten Centres in India. It is a privilege to be involved with the activities of this great Centre, especially during the 60th Diamond Jubilee Year of IETE which is set to commence in a few days from now. I would like to thank the outgoing Chairman, Sri S Muruganandam and Sri V Chinnappiah, Honorary Secretary for their tremendous contributions over the past two years which ushered in a new era in the history of Chennai Centre. I look forward to working with them and the rest of the Executive Committee in the years ahead.

My priority will be the continual improvement of the good works done by the outgoing committee , while at the same time setting a fresh agenda for the current Executive committee. To commemorate the Diamond Jubilee Year there will be spurt of activities , highlighting the achievements of IETE during its 60 glorious years of existence. Series of lectures/invited talks, National and International Seminars, workshops and Symposium are being planned with the support of various Corporates, industries and our very own dynamic IETE Governing Council and the IETE ISF Forums – the ever enduring force behind our initiatives. Special drive will be launched to augment the strength of memberships in all categories. I am glad that for the past two years the number of engineering colleges having Students Forum have increased considerably. There is further scope for its improvement, as many engineering colleges have shown their keenness to start IETE ISF associations in their colleges.

We need to focus our attention towards the Students of Higher secondary Classes in Schools and Polytechnic Institutes and educate them on the opportunities available at IETE for pursuing Diploma and Degree engineering studies in ECE, CS and IT. A special campaign will be launched for this and I seek the support and involvement of all the members in this onerous task.

Friends, , our centre is poised for greatness. We must do what is right and do it with all our might. Let history say of us, 'Those were the "Diamond" years — when the IETE's mission accomplished , when IETE Chennai Centre gained a new identity as a Research Centre and Centre of Excellence , reaching its best !!'

Looking forward to your spirited support and involvement in this mission.

Col (Retd) K S Chakravarthi
Chairman

Editorial



At the outset I wish to express my sincere gratitude to the Chairman and the newly elected Executive Committee for co-opting me as a member and entrusting me with the enviable editorial task . It is my privilege to continue to render my service to IETE in whatever role I may be assigned with.

The impression that Chennai Centre is not 'very' active has been completely wiped out, through a spurt of activities such as Zonal Seminar, Students day, World Telecom Day, Foundation Day, monthly lectures and invited talk etc.

One of the significant activities that was initiated by the outgoing Executive Committee was the launch of IETE Chennai Centre Quarterly News Letter. From its humble maiden issue about a year and a half ago, it is growing in its quality and standard with every subsequent issue. Our News letter has a wide circulation through the website of IETE HO and has been appreciated by many.

It will be my endeavour to continuously strive for improving the standard and viewership of IETECH SPARKS. I am sure our esteemed members and readers will overwhelmingly support in this regard through the active participation, feed backs and contribution of articles etc.

Wish you all happy reading !

Editorially yours,

V Chinnappiah

THE EXECUTIVE COMMITTEE

2012-2014

COL(Retd) K S CHAKRAVARTHI - CHAIRMAN



A Soldier - Electronics and Communication Engineer to the core, with specialization in Communication Engineering and Networks. Master in Business Administration, PG Diploma in computer applications, PG Diploma in Production Management, , ISO 9000 Lead Auditor certificate of INTEC (UK) ,Works Manager's Training at Maruti Suzuki Ltd Gurgaon and Hyundai Motor India Ltd Chennai. Specialized in Human Resources and Quality Systems Development

Served in Army in the Corps of Electronics and Mechanical Engineers as Workshop Officer, Officer in Charge of Central Calibration centre for Electronics Test Equipments, DGM (Workshop services Group) of Army Base workshop, Methods Engineer, OIC Production Planning and Control,, Instructor Class A in the Faculty of Electronics in the Military College of Electronics and Mechanical Engineering, Administrative Officer in Electrical and Mechanical Engineers Training Centre,, Deputy Chief Quality Control Engineer, Production Engineer (Indigenization and Manufacturing) HQ Technical Group EME New Delhi., the Apex Technical Body of Indian Army.

In his second career he served as DGM (QA) in Modular Electronics (India) Pvt Ltd, a 100% export oriented portable disk drive manufacturing company in Madras Export Processing Zone, General Manager in a leading Maruti Suzuki Dealership for 5 years , COO /CEO of leading Hyundai Dealership for 8 years, CAO of a Group of Educational Institutions, and Vice President (QMS) of a Automotive Component manufacturing unit , Chennai.

Visiting Faculty and Corporate Member of IETE for the past 27 years. Active Fellow Member of Professional bodies like, IETE, IIPE, NIQR. Rotarian Paul Harris Fellow and Arch Clumb Fellow Charter Member of Rotary Club Phoenix Chennai. Travelled extensively in USA, Malaysia, Singapore, Cambodia. Presently Management Consultant and working for social causes like training, motivating, teaching under privileged section of the society



Er S MURUGANANDAM IMMEDIATE PAST CHAIRMAN

Had a good academic record from his school days and secured first rank in School and Second rank in district in SSLC examination and a state rank. He obtained his BE (Hons) degree from the prestigious College Of Engineering Guindy. He is one of the first batch of students in Electronics and Communication Engineering of Anna University. Earlier he joined the Maharatna Oil & Gas corporation as an Asst. Executive Engineer and has worked in different capacities. His area of specialization is Well Logging in which he introduced many innovative ideas. He obtained MBA degree from IGNOU with finance as specialization. At present he is the Chief Engineer in ONGC overseeing the maintenance of Instrumentation systems of one of the largest offshore process platform in Asia.

THE EXECUTIVE COMMITTEE

2012-2014



DR THULASIBAI VIJAYAN - HONORARY SECRETARY

Professor and Dean of Electronics and Communication in the Engineering Department, Pratyusha Institute of Technology and Management, Chennai. She received her Bachelor's degree in Electronics and Communication Engineering from Madurai Kamaraj University, Madurai in the year 1990, and Master's in Electronics and Control from Birla Institute of Technology and Science (BITS), Pilani, Rajasthan, in 1997 and Doctorate from Satayabama University Chennai in 2009.

She has been awarded Young Scientist Award by Department of Science and Technology, Govt of India under FAST TRACK SCHEME for young scientists in 2008. She has been in teaching and research for the past 20 years. She has worked on 7 funded projects sponsored by DST, ICMR, TNSCST and IEEE. She has got grants over 60 lakhs for research, organizing conferences and workshops.

Her professional interests include broadband networks, mobile communication, ITS and telemedicine. She is a Member of many professional societies. She has authored well over 60 papers in reputed journals/conference proceedings. She is a Life Fellow/Member of many professional societies such as IETE, IEEE, IsfTeH and BES.



Prof D VIJENDRA BABU - HONORARY TREASURER

Prof. D. Vijendra Babu is the Vice Principal and HOD, Electronics and Communication Engineering of Aarupadaai Veedu Institute of Technology, Vinayaka Missions University, Chennai. He holds degree in B.E.(ECE), M.Tech. (Advanced Communication Systems) and pursuing his Doctoral Programme.

He has 14 years of academic experience and published 30 papers in International/National Journals/Conferences. He is a Life Member in ISTE, BES (I), ISTE, ACEEE, IACSIT & IAENG. He has been the Reviewer for many International Conferences/ Journals. He delivers Technical Lectures for various organizations in the area of Image Processing. He has acted as Chairperson for various National Conferences/Symposiums and organized many National Conferences/Symposium. He is the recipient of Active ISF Award for the year 2010-11 from IETE Chennai Centre.

THE EXECUTIVE COMMITTEE

2012-2014



Er P MOHANDOSS - EC MEMBER

Shri P. Mohanadoss is a graduate in Electrical Engineering from the Institution of Engineers (India). He has been in the field of Broadcast Engineering for over 37 years. He is well versed in Planning and Development, Project administration, Installation, Operation and Maintenance of broadcast centres, Man power development, and Human Resource management. He retired as the Chief Engineer (South Zone), All India Radio and Doordarshan in 2004.

He is a Life Fellow of Broadcast Engineering Society (BES) and Institution of Electronics and Telecommunication Engineers (IETE). He is an ardent student of Homoeopathy.



Er G SELVAM - EC MEMBER

Shri G. SELVAM belongs to the ITS batch of 1979. He obtained his engineering graduation from the Institution of Electronics and Telecommunication Engineers. He is a Fellow Member of IETE. He did his MBA in HRD from Indira Gandhi National Open University.

He made significant contribution in Chennai Telephones in the areas like Installation, Operation & Maintenance of Electronic Exchanges and External Plant Networks etc. On promotion to JAG level he joined Kerala Telecom Circle in 1992. He returned to Chennai Telephones in June 1995 and served as DGM (Admn) prior to his promotion and posting as General Manager (North) in Chennai in 2000. In September 2003 he was deputed to North Eastern parts of India comprising Nagaland, Manipur and Arunachal Pradesh, as GM on special assignment.

Upon completion of his assignments in NE Circle in November 2004 he returned to Chennai Telephones and assumed charge as General Manager (Operations & Administration, Business Development, Corporate Care and Broadband Services).

THE EXECUTIVE COMMITTEE

2012-2014



Dr. P.M.BEULAH DEVAMALAR - EC MEMBER

DIRECTOR –Academics and development and Professor in the Department of Computer Science and Engineering at Prathyusha Institute of Technology (Chennai). Bharath University Chennai and Master's degree from Bharathiar University .She joined Sri Sai Ram Engineering College as a Faculty in 1998 and became Head of the Computer Science and Engineering department , Placement and Training and Industry Institute partnership cell till 2009.

Convenor for innovation and *Entrepreneurship* cell funded by AICTE and Director for corporate affairs at PITAM since 2009. She is also in charge of International collaborations with foreign universities.

Published many papers in international journals and conferences. Areas of research interest are Network security, mobile payment, Cloud computing and telemedicine applications. Participated in many conferences as invited speaker, and session Chair etc. She is the SPOC for campus connect programme of Infosys Technology at PITAM .

She is closely associated with many companies and government institutions as a *consultant*, offering advice in planning, selection, implementation and evaluation of information technology solutions and accreditation process and as expert member. She was the Advisor, Board of studies for P S.G.R Krishnamal College for women .

Dr. SWARNA RAVINDRA BABU—EC MEMBER



Dr. Swarna Ravindra Babu is currently working as a Principal Engineer in Samsung Electronics. He has about 18 years of experience in various R&D industries. He received his PhD from University of New South Wales, Australia specializing in the fields of GPS, INS, Statistical Signal Processing and Digital Signal Processing. He has published about 85 papers in various conferences and journals. He is a peer reviewer for about 10 journals including IEEE, and also an invited speaker in national and international forums. He has received best paper awards from USA and Australia, and listed in Who's Who for his work. He has guided several B. Tech, M. Tech and PhD students on their

Er ANANTHESH RAO - EC MEMBER

An Electronic Engineer currently employed in ONGC and is engaged in the Operations and maintenance in off-shore.

THE EXECUTIVE COMMITTEE

2012-2014



Er V CHINNAPAPPIAH - EC MEMBER (Co-opted)

Er V Chinna Pappiah joined the Department of Telecommunication as Engineering Supervisor in the year 1965. He obtained his Grad IETE degree from the Institution of Electronics and Telecommunication Engineers in the year 1970. On promotion he was posted to the Maintenance Department of Regional Trunk Automatic Exchange. He was also responsible for the installation and maintenance of Electronic Exchanges, He retired from Bharat Sanchar Nigam Limited as Deputy General Manager in 2006.

He is an active member of IETE Chennai Centre and has been the Executive Committee Member for three terms and Hony Secretary for a term.

He is settled in Chennai and is devoting his time for IETE activities and conducting workshops, training programmes etc for Engineering college students and industrial employees.



DR M P PILLAI - EC MEMBER (Co-opted)

Obtained M.Sc (App. Physics) in 1985, M. Tech (Laser & E O Engg) in 1988 from College of Engineering Guindy, Anna University. Chennai. Worked as a Project/ Research Associate at IIT Madras in the Applied Optics and T V Engineering laboratories for a period of 04 Years. During 1993 Joined as **Sr. Design Engineer** "Centre For Electronics Design and Technology" (CEDT) Aurangabad (MS). In 1996 deputed to Switzerland under Indo-Swiss Co-operation fellowship program for a period of 08 months. During the stay at Switzerland, visited various universities, research labs and Industries in Germany and France. After merger of CEDT with DOEACC Society, worked as Additional **Director & Chief co-ordinator**, DOEACC Scheme on Hardware Courses (National level) till June 2010. Presently **Scientist 'E' & officiating Director**, "National Institute of Electronics & Information Technology" (NIELIT) under Department of Electronics & Information Technology, Government of India .

IETE ANNUAL AWARDS FOR THE YEAR 2012

The following members of IETE Chennai Centre have been recognized for their outstanding achievements and the awards were presented during the Annual Technical Convention held at Nimhans Trade Centre Bangalore from 28-30 September 2012:

1. IETE-PROF SVC AIYA MEMORIAL AWARD (2012) for providing guidance in Electronics and Telecommunication research work during the last (5) Years

Prof Vidhyacharan Bhaskar, SRM University Kattankolathur

IETE ACADEMIC AWARD 2012

1. DIPIETE COUNCIL AWARD -III Electronics and Telecom stream (old)

Raja Sekar R , Erode - 7.25 GPA

2. DIPIETE COUNCIL AWARD - (IV) Electronics and Telecom stream (old)

Mohammed Abubacker M S, Chennai - 8.33 GPA

Sivananthan J, Chennai - 7.66 GPA

Congratulations and wish you many more !!!

**International Seminar and Governing Council meeting
Kathmandu , Nepal July 2012**



GOVERNING COUNCIL MEETING IN PROGRESS

**International Seminar and Governing Council meeting
Kathmandu , Nepal July 2012**



58TH ANNUAL GENERAL MEETING - BANGALORE
28 September 2012



55TH ANNUAL TGECHNICAL CONVENTION—BANGALORE
29 SEPTEMBER 2012



CHENNAI CENTRE ACTIVITIES

1. Executive committee meetings were held as per the following schedule :

1st Executive Committee Meeting -	06 July 2012
2nd Executive Committee Meeting -	06 August 2012
3rd Executive Committee Meeting -	25 Sep 2012

2. Kargil day celebration and honouring war veterans by IETE Chennai Centre - 26 Jul 2012

The ceremony was simple and solemn, but its impact was magnificent. Over a dozen veterans assembled proudly, with their medals decorating their chest , smiles on their face, defying their age. Most of them in their seventies and more, but yet walked, talked moved briskly, shaking hands , mixing with the civilian guests, sharing their memorable days of their service, the pains, pleasures, threats, challenges they faced. But yet their faces were as bright as the sun, their movements were as strong as wind. They were in their 70s but even a 17 year old will be humbled by their spirit .

The occasion was also utilized for creating an awareness among the students of DAV Girls Senior Secondary School, where the function was held





IETE STUDENTS' FORUM COORDINATORS' MEETING – 31 JULY 2012

A coordinating meeting for the first batch of IETE Students' Forum Coordinators was held at IETE Chennai Centre on 31 July 2012 from 10 AM to 2 PM. Staff and students representatives numbering 55 from 19 colleges attended the meeting, besides 5 EC Members.

The interactive session with the IETE Students Forum was very lively as many member participated with enthusiasm. Many positive suggestions were received to further the scope of the functions of IETE .

Dr Thulasi Bai Vijayan, Hony Secretary utilized the opportunity to highlight the vision and mission of IETE and outlined various programmes and activities for the IETE Students Forum for the whole year.

Proposals were made to customize training programmes to meet the specific needs of the Students as well as Staff.

Col (Retd) K S Chakravarthi , Chairman IETE Chennai Centre, emphasized the students to involve themselves in all the technical activities at their colleges, as well as at Chennai Centre. The best Students Forum will be adjudged based on their performance criteria and will be awarded prizes during the Founders' Day celebration



IETE STUDENTS' FORUM COORDINATORS' MEETING – 31 JULY



**MONTHLY TECHNICAL LECTURE AT IETE CHENNAI CENTRE -ON 'DIGITAL IMAGE PROCESSING'
20 JULY 2012**

A Technical Lecture on Digital Image Processing was conducted at IETE Chennai Centre Hall. The lecture was well attended by IETE members as well as students and others.

Dr Vijendra Babu , Vice Principal, Arupadai Veedu Institute of Technology , delivered the lecture with Power Point presentation



Monthly Lecture programme was organised on 16 Aug 2012 at IETE Chennai Centre . Col (Retd) K S Chakravarthi , Chairman , IETE Chennai Centre made a Power Point and video presentation on the “Developing Trends of Electronics, Telecom and IT in modern warfare, weapon systems and Equipments”



Brig (Retd) V A Subramanyam explaining a point during interaction

PAPER PRESENTATION AND WEB DESIGNING CONTEST

IETE Chennai Centre organised a two-day program DOMITRONICS '12 on Paper presentation in Electronics, Telecomn and IT and Web Designing. The program under the initiative of Dr Thulasibai Vijayan, Hony Secretary of IETE Chennai Centre, drew over whelming response from the Engineering colleges in the city. Over 80 entries for Paper presentation and 22 entries for Web Designing were received. Students continued to send papers even after the due date. The program was conducted at IETE Chennai Centre on 21 and 22 Sep 2012. The program drew the enthusiasm of all the Students , especially third and final year students and all of them interacted very actively and requested for more such programs in the future.

The judges, Shri V Chinnappiah, EC Member of IETE Chennai, Prof Sumathi of Sairam Engineering College, Prof Meenatchi and A/Prof Kavyaa of Pratyusha Institute of Technology and Management, conducted the program in a very interesting and impressive manner.

Col (Retd) K S Chakravarthi , Chairman IETE Chennai Centre, presented the certificates to the successful participants





THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

CHENNAI CENTRE



सह वीर्य करवावहै

IETE STUDENT CONGRESS

PRESENTS

DOMITRONICS '12



PAPER PRESENTATION:

EVENT DATE: 21st SEPTEMBER

(TOPICS RELATED TO
ELECTRONICS AND COMMUNICATION)

LAST DATE FOR SUBMISSION: 15th SEPTEMBER

DATE OF INTIMATION: 17th SEPTEMBER

EMAIL: ietechennai@gmail.com.

REGISTRATION FEES:

PAPER PRESENTATION:- Rs 200/-

WEB DESIGNING :- Rs 100/-

WEB DESIGNING:

EVENT DATE: 22nd SEPTEMBER

GUIDELINES:

- PARTICIPANTS SHOULD MEET THEIR REQUIREMENTS.
- WEBPAGE SHOULD BE DESIGNED FOR IETE WEBSITE.
CHENNAI CENTRE

VENUE:

No. 37, Conran Smith Road,
(Main Entrance Peters Road),
Gopalapuram
Chennai-600 086 Mob : 9444182008
Ph : (044) 28350773, 28350045

IETE STUDENTS CONGRESS - DOMITRONICS 12 RESULTS

PAPER PRESENTATION SESSION 1 HALL 1

1. M Muralidhar Robin Saxena - KCG College of Tech - First
2. T Arthi R Akila - Pratyusha Inst of Tech &Mgt - Second
3. Yousuf Shabbir Vignesh - Sri Sai Ram Enginneering - Third

HALL II

1. R Vinoth Kumar
R Sarat Babu - Panimalar Institute of Tech - First
2. Awesh Kumar Mandal
Ankur Jaiswal - Dr MGR E & R Institute - Second
3. A Arivezhil, Marban, R Jai Vignesh
Velammal Engineering College - Third

WEB DESIGNING CONTEST HALL-1

1. Vishal S
Rangaraj K S - Velammal Engineering College - First
2. Sajath Ahmed
Raki M - GTEC - Second
3. C Yuvaraj H Sharat Kumar - Asan Memorial College of Engg - Third

HALL II

1. A Hari, Prasandh, S Wasim
Akram Basha - Velammal Engg College - First
2. V Abhishek Chowdary, Dinesh Pratyusha Engg College - Second
3. K Uday, Kiran Nishant Kumar— Satyabama University - Third

One day workshop on ‘Wireless Communication’ at Panimalar Engineering College – 06 Jul 2012



Col (Retd) K.S.Chakravarthi, The Chairman, IETE Chennai centre delivered the inaugural address. There were six technical sessions presented by various experts.



Lecture on 3G has been delivered by Mr.KSR Suresh Kumar, Director, Telecom Research centre

VELTECH MULTITECH DR. RANGARAJAN DR. SAKUNTHALA ENGINEERING COLLEGE, AVADI

National level Students conference NT-BEECOM' 12 (Nascent Technologies in Biomedical, Electrical Engineering and COMMunications) was organised by the IETE ISF of Vel Tech Multi Tech Dr Rangarajan Dr Sakunthala Engineering College, Avadi on 06 Aug 2012.

The program was organised in association with IETE Chennai Cent Col (Retd) K S CHAKRAVARTHI, Chairman, IETE Chennai Centre was the Chief Guest. R JAGDISH KUMAR, Chief Engineer, SAIPEM INDIA PRODUCTS was the Guest of Honour. Sri P Mohandoss, Executive Committee Member and Chief Engineer (Retd) DD and AIR, chaired a session.



VEL TECH MULTI TECH
DR. RANGARAJAN DR. SAKUNTHALA ENGINEERING COLLEGE
(ISO 9001:2008 Certified and NBA Accredited Institution)
proudly presents
2nd National Level Students Conference
on
NASCENT TECHNOLOGIES IN BIOMEDICAL, ELECTRICAL ENGINEERING & COMMUNICATIONS

Col. Prof. Dr. Vel. R. RANGARAJAN
BE(ELEC), BE(MECH), M.S., (AUTO), D.Sc.
Founder-Chairman

PROGRAMME NO: 1934

 NT-BEECOM

Dr. (Mrs) SAKUNTHALA RANGARAJAN
M.B.B.S.
Founder-Vice Chairman

CONFERENCE NO: 433

CHIEF GUEST
Col(Retd) K.S. CHAKRAVARTHI,
Chairman, IETE,
Chennai Centre.

NT-BEECOM'12

GUEST OF HONOUR
R. JAGADESH KUMAR,
Chief Engineer,
Saipem India Products Limited

Organized By



DEPARTMENTS OF ELECTRONICS & COMMUNICATION ELECTRICAL & ELECTRONICS AND BIOMEDICAL ENGINEERING

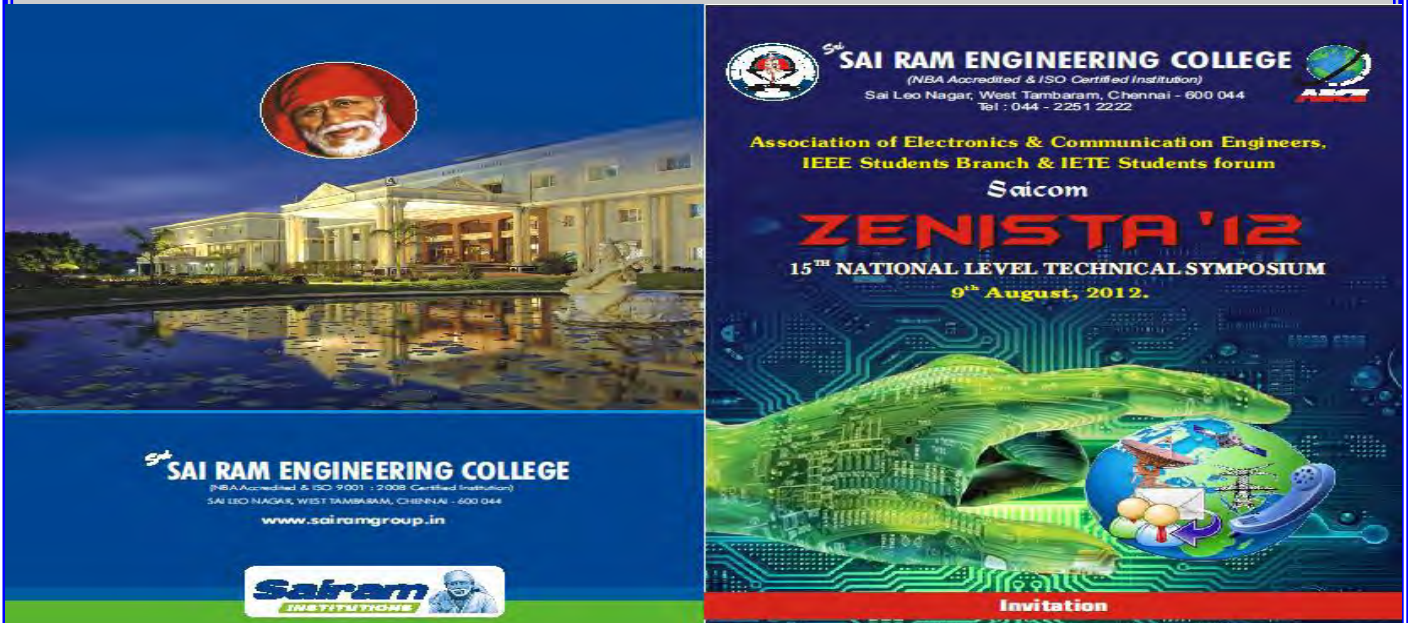






SAIRAM ENGINEERING COLLEGE – 09 AUG 2012

IETE Students Forum of Sairam Engineering College, in association with IETE Chennai Centre, conducted a symposium on “Creating a new frontier in Electronics and communication Engineering field”. The target audience for the symposium was ECE UG students. The event had Paper presentation, Robo Racing, project contest (Social relevant problem was given and was asked to find the best solution). Col (Retd) K S Chakravarthi, Chairman IETE Chennai Centre was the Chief guest. The chief guest evinced keen interest in the project demonstration by the students





PRATYUSHA INSTITUTE OF TECHNOLOGY AND MANAGEMENT Chennai

Real Time Industry electronics was exposed to Students of ECE department of Prathyusha Institute of Technology and Management. **The association of the Department and the Student Forums of IEEE and IETE were inaugurated by Mr. Balajee Seshadree, Technologist, Surabee School of Electronics.** Identifying a core need to offer practical efforts that supplement with theoretical approach, the function was launched with the objective to offer a forum for practical implementation where students gain knowledge by the lecture from the resource person thereby giving a glimpse of real life challenges; an engineer faces in industry when their idea is implemented to an application.

The Principal Dr.N.Gunasekaran welcomed the gathering, Dr.P.M. Beulah Devamalar, Director (A&D), delivered the felicitation address, Dr.V.Thulasi bai, Dean (R &D) elaborated on the activities of ECE association and students forums of IEEE & IETE professional societies.

The Chief Guest was Mr. Balajee Seshadree who delivered the key note address and **conducted a workshop on “Real Time Applications of Microcontrollers”.**

“Electronics Hobby Centre” and to conduct “Electronics Golu” were the ideas conceived by all the PITAM dignitaries to kindle the innovative designing skills of students. Mr. S.Ilaiyaraja, Head of the Department presented the vote of thanks.



SKR ENGINEERING COLLEGE , AGARMEL, POONAMALLEE, CHENNAI 600123

WORKSHOP ON SATELLITE ORBIT DYNAMICS AND INTRODUCTION TO GNSS

The One day workshop on “Satellite orbit dynamics and introduction to GNSS” was organized by IETE S K R Student Chapter at S K R Engineering College on 30.08.2012. The chief guest for the day was Dr.P.Rajendra Prasad, Professor/PESIT & Former scientist, ISRO Bangalore. We were cordially addressed by our principal Dr.M.SENTHIL KUMAR, where he proudly mentioned about the Picosatellite project which was carried over by our P.G Students. The Event was then followed by the Dean R&D Dr.T.KALPALATHA REDDY, who introduced the chief guest to the audience which was inspiring. We were fascinated with the achievements of our Chief guest and was honoured by principal with shawl and gift. The university toppers of ECE department were appreciated by our chief guest by awarding gifts.

The chief guest Dr.P.Rajendra Prasad gave us insight on the various topics like the satellite orbit dynamics, flight mechanisms, orbit of earth, various time zones, orbit types and its systems, Geostationary satellite and their advantages and disadvantages. He gave us a real time experience on how the GPS is used to locate the various places on earth through satellite system.

The Vote of thanks was delivered by Mrs.T.MUTHUKUMARI, Associate Professor, ECE Department and the event finally ended as well stood up for our National Anthem. We are really thankful to share this opportunity with the other IETE members, and the credit goes to the Management, Principal, Dean R&D, Head and assistant head of the department and the staff members of The Department of Electronics and Communication Engineering



ARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

SEMINAR “MICROCONTROLLER FOR ROBOTICS” 26th JULY, 2012

ECellentronics, the Association of Electronics & Communication Engineering & IETE Students Forum (ISF) of Aarupadai Veedu Institute of Technology organized a Seminar on MICROCONTROLLER FOR ROBOTICS on 26th July, 2012, at 11:00 am. Mr. D. Vijendra Babu, Vice Principal I/C and HOD/ ECE delivered the welcome address and introduced the chief guest. He also gave a brief on the seminar and explained about the importance of Microcontroller for Robotics in real time. Mr. S. Selvaradji, S S Technologies, Chennai, delivered the seminar and briefed on the importance of Microcontroller for Robotics. The seminar provided a detailed discussion on Embedded Systems. 300 students from Second and Third Year ECE, ETCE and BME Departments attended the seminar. Mr. M. Arun, Lecturer delivered the vote of thanks.

“TWO DAYS WORKSHOP ON VLSI & EMBEDDED SYSTEMS” AUGUST 22nd – 23rd ,2012

IETE Student Forum (ISF), Department of Electronics & Communication Engineering, Aarupadai Veedu Institute of Technology organized a two days Workshop on VLSI & Embedded Systems on AUGUST 22nd – 23rd 2012. Mr.D.Vijendra Babu, HOD/ECE delivered the Welcome address and explained about the significance of VLSI & Embedded Systems workshop and also in his presidential address he enumerated the various career opportunities for Electronics and Communication Engineering students both in the core and software industries and insisted that the students must update their skills in order to get placements in reputed organizations through campus interviews.

Mr.Kannan, Project engineer and his team from VEE EEE Technologies, Chennai conducted the workshop and briefed about the concepts of programming in VLSI using VHDL Language and explained about the concepts of PIC Micro controller overview programming, Interfacing & project demonstration. The Workshop provided a detailed discussion on VLSI & E

TECHNOLOGY

CLOUD COMPUTING

Industry conversations have moved beyond understanding what cloud computing is to determining how best to deploy it in an enterprise IT environment. This evolution parallels the past debate of virtualization candidacy -- knowing how to determine if a physical server would make a good virtual server.

The idea of cloud candidacy, which means choosing the best candidates to cloud-enable, is just as important to reach the most return on your cloud investment. Here's a checklist of how to determine the best candidate for your private cloud.

1. **What are the network requirements for the cloud workload?** Much like server virtualization considerations of processing and memory requirements, the amount of network resources a workload or application consumes within your private cloud is critically important. A workload with heavy network resource requirements that link back to other servers within the LAN might not make the best cloud candidate. Placing this workload into a private cloud could create bandwidth and latency issues, affecting the overall cloud performance. Measure network utilization among servers residing in the cloud and any other servers located in the local data center.
2. **What other services are interconnected to the private cloud?** Take into account any communication between a cloud workload that interacts with other workloads in the network. For example, almost any Windows-based IT service leans on Active Directory for authentication, as do desktop operating systems. Domain controllers must process large amounts of traffic, so completely moving them into the cloud is probably a bad idea. Alternatively, services that have little interaction with others in the local data center are less likely to be affected by their geographic relocation. This will also have little effect on latency. Looking for virtual machines (VMs) with few interconnections is a good way to find cloud-ready resources.
3. **Does an obvious separation (i.e., "hard line") exist between workloads residing in the private cloud and other workloads?** Isolating services can be a good dividing line between good cloud candidates and bad ones. Well-isolated services that make excellent cloud candidates, for example, are those services that reside within your DMZ. By design, the DMZ has "hard lines" surrounding its services, specifically in firewall rules that separate it from the Internet and an internal LAN. That separation means that you could easily move all contents from a DMZ to the cloud. The very nature of a DMZ draws a clear demarcation for what might make a good private cloud candidate. Combine the isolation with virtual firewall rules from different cloud services, and DMZ services have the potential to be successful in the cloud.
4. **Is the cloud service replication-friendly?** Some IT services are already designed with replication in mind; communication was designed to support the types of latency and bandwidth you would experience in LAN-to-cloud communications. These services could include offsite backup copies, failover servers or any service with protocols that are prepared for network conditions that don't meet LAN speeds.
5. **How much pain will you experience if data that resides in your private cloud becomes compromised?** This final check is really a direct result of early concerns surrounding cloud security and data ownership. Security, ownership and regulatory issues surrounding data must be a consideration when choosing to place a VM in the cloud. Some VMs and certain IT resources work with data that, if lost or compromised, wouldn't incur significant pain for the business. Pay attention to the types of data a potential cloud-enabled virtual machine could process. If the loss or exposure of that data is greater than the value gained in a cloud migration, then it might be best to keep that VM in the data center.

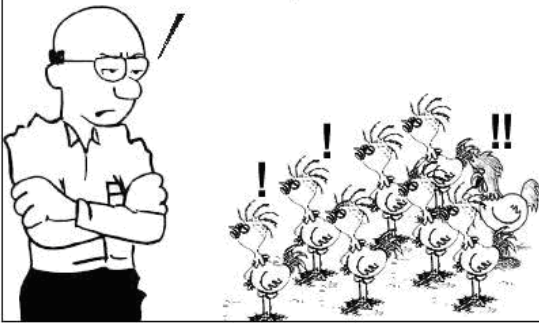
Choosing the right virtual machines for a private cloud requires you to analyze resource use of each VM and service. You also need to examine the risks associated with moving these resources to the cloud. With the right due diligence, finding the best resources and services to deploy in the private cloud should be relatively easy. cloud migration, then it might be best to keep that VM in the data center.

(Source : Internet)

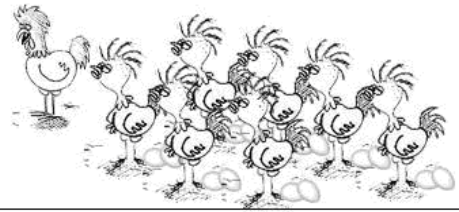
-Chaks

Dil Se...

From tomorrow onwards all of you are expected to lay 2 eggs by eod. If the target is not achieved there will be escalations from client and i will not assume responsibility.



EOD: We have completed todays task.



Why have you layed just one egg today??



Sir, i've done at least that much for the fear of appraisal. Otherwise actually i am a Cock!! :(

Real Performance Pressure!!!!



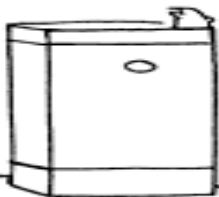
WANTED



FOR DELAYING
IMPORTANT
PROJECT

DID NOT:

- ANSWER EMAIL
- RETURN CALLS
- MAKE UP MIND
- ATTEND MEETINGS



Goff

Forecast.....

06 Oct 2012 - 4th EC Meeting

22 Oct 2012 - Ayudha Puja at Centre Hall

**26 Oct 2012 - BOOT - A curtain raiser to start establish
Technology and Research Incubation Centre/
Invited talk**

**02 Nov 2012 - Foundation Day - Venue: Institution of Engineers Hall,
Dinner Chepauk**

06 Nov 2012 - 5th EC Meeting

16 Nov 2012 - Invited Talk - 4G Technology - IETE Hall

**30 Nov 2012 - 02 Dec 2012 - Governing Council Meeting at
HQ IETE New Delhi**

07 Dec 2012 6th EC Meeting

07 Dec 2012 Lecture on "ISO 9001:2008"- IETE Hall

15 Dec 2012 }

To } Semester Examinations

28 Dec 2012 }

SEASONS GREETINGS TO ALL!



Obituary

IETE Chennai Centre's Past Chairman Shri A Ganesan DGM(Retd) BSNL, passed away on 23/08/2012 at 12.00 p.m due to cardiac arrest. He was a fine person admired by all and his demise is a great loss not only to his family but also to IETE Chennai Centre.

Disclaimer : The Institution of Electronics and Telecommunication Engineers (IETE) Chennai centre assumes no responsibility for the articles, statements and materials contributed herein by individuals and institutions.

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