

Chairman's Message

T.S. Rangarajan

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My dear members,

On March 3 and 4, 2012, Prof T. Thyagarajan and I attended the Region 10 meeting at Kolkata where our section was presented the award for '**Large Distinguished Section**' (<http://bit.ly/z273fi>). We were also provided an opportunity to present a 'Knowledge Sharing Session' on '**best practices**' (<http://bit.ly/w0L2v>) adopted.

w0L2v) adopted.

I wish to highlight one presentation made by Dr Takao Onoye Regional Student Activities Coordinator and Aby Kurien on **Student Retention Challenges – actions to improve situation starting from India** (<http://bit.ly/xdw8Ku>). Naturally the statistics provided in the presentation were stark to say the least. Most student branches cease to exist or degrade into nonexistence within one year of their formation. In business the priority accorded to retaining customers is always higher than acquiring new ones because the cost of acquisition for a new customer is much higher than servicing an existing one. That is how concepts such as CSI (customer satisfaction index) and VOC (voice of customer) became very prominent in business.

I request all of you, in particular SB Counselors, office bearers and College authorities to kindly study the presentation, apply your mind to this problem and interact with us through the **blog** (<http://bit.ly/xmvZc2>) in the website for suggestions and actions to reverse this situation. We must go to the next meeting to present 'best practices' adopted by Madras Section to address this issue.

Another presentation that I think will be very useful to us in our journey of '**value adding engagement**' is the one on **vTools for Volunteers** (<http://bit.ly/yFs49h>) by Eugene Khusid, vTools MGA Staff. IEEE is continuously trying to add software tools – bespoke, bought, free – to help the geographical units and volunteers reduce the effort, improve accuracy, reduce time and facilitate richer engagement. As a professional association I have no doubt that IEEE is head and shoulders above its competitors in using cutting edge technology in all its activities to provide enormous value to its members.

I request all of you to go to **vtools** (<http://sites.ieee.org/vtools>) and explore the tools available for voting, meeting, surveying, setting up election, web conferencing, hosting a website and reporting.

Finally we need to use our own CMS website more often and more effectively to generate content of all our activities, connect and network with one another and leave a legacy for the future. Every Student Branch can get a userid and password to create its own site in the CMS, upload content of their activities and become visible to the world. We will be gradually adding new features and capabilities to this platform from the 1000s of modules available in the platform. Till next time.

Yours Voluntarily
T.S. Rangarajan

From The Editor's Desk

H.R. Mohan

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Blog: <http://infoforuse.blogspot.com>



Dear Friends,

Our chairman, Mr. T.S. Rangarajan (TSR) and the immediate past chairman, Dr. T. Thyagarajan (TT) had attended the R10 meeting at Kolkata and received the "Large Distinguished Section" award for our section for the year 2010. They had made presentations on the best practices followed in our section – which others have appreciated very much. A brief report on this appears in this issue. Time has come to compete for the year 2011 award. Hope we will make it too.

For quite some time, we have been discussing (in this column) on downsizing the print edition of LINK and going more online. Time is ripe now. Our section website is fully functional and awaiting for the upload of contents by all concerned. In the forthcoming issues of LINK, we propose to publish only a brief report / highlights of various activities and events by the societies, SBs and devote more space for reference, technical, self-development and management related information which will be useful to our members and also enhance the shelf life of the newsletter. We welcome contributions — brief articles, case studies, checklists etc., from professionals, faculty & student members. I am sure all will welcome this move. Accordingly, we request all the contributors to follow the revised guidelines relating to material submission available at <http://goo.gl/8KFdM>.

Link congratulates our senior member & section vice-chairman Mr. H.R. Mohan for having received the "Meritorious Service Award" from the IEEE Computer Society for the outstanding and sustained contributions as the Chair of the Madras Chapter of the IEEE Computer Society.

In this issue, we have published the reports on events organized by the following institutions: Vivekanandha College of Engineering; Sona College of Technology; Amrita School of Engineering; Periyar Maniammai University; KCG College of Technology; Knowledge Institute of Technology; M.P. Nachimuthu M. Jeganathan Engineering College; Thangavelu Engineering College; K.S. Rangasamy College of Technology; VIT University; Kalaigarnar Karunanidhi Institute of Technology; Thiagarajar College of Engineering; Kongu Engineering College; Jayaram College of Engineering & Technology; Francis Xavier College of Engineering; Coimbatore Institute of Engineering and Technology; SRM University; MIT, Anna University.

The other items published include: Report on GINI Face to Face Meet – 2012, GINI webinar, highlights from the book "Fear of Failure", report from Student Activities Chair and the contact info of Chairs of Society Chapters & Affinity Groups attached to our section.

From 1st March, half yearly dues will apply to memberships. Pl. encourage your friends and colleagues to become members of IEEE and sister societies and get the benefit of membership of nine months by paying for six months.

We request our readers attend and benefit from the forthcoming workshop on "Writing Technical Paper" and the international conf. on "Recent Advances in Computing and Software Systems" Refer: <http://ieeecs-madras.managedbiz.com/>

Report on Chairman & Immediate Past Chairman's Participation in the Region 10 Meet



Er. T. S. Rangarajan, Chairman (2012) and Prof. T. Thyagarajan, Immediate Past Chairman (2010 & 2011) of IEEE Madras Section, attended the Region 10 meet held at Kolkata during 3-4 March 2012, as the representatives of the Madras section. After the formal registration, Prof. Lawrence Wong welcomed the delegates. The President Elect-2011, Mr. Howard Michel,

VP-MGA & Mrs Cecelia Jankowski, MD-MGA addressed the gathering. It was followed by the presentations from Mr. Darrel Chong, R-10 Secretary and Mr. Michael Ong R10 Treasurer (2012-budget). In the afternoon, the presentations by R-10 coordinators of various activities namely: education, student activity, industrial relations were made. They were followed by poster session.

After the coffee break, Dr. T. Thyagarajan and Mr. T. S Rangarajan presented the best practices followed by the Madras Section. It was well received and appreciated by all the delegates from various sections under R10. Before the dinner, presentation of awards and cultural program were organized. Dr. T. Thyagarajan and Mr. T.S Rangarajan received the "R10 Distinguished Large Section Award-2010 from Prof. Lawrence

Wong. On the day2, training sessions were conducted for the section chairs followed by the presentations on TENCON-2012 to be held at Philippines, INDICON-2012 to be held at Kerala and the India council EC meeting. In the afternoon local sightseeing was arranged. The meet ended with a cultural program in the evening.

Some of the benefits derived for the Madras Section by participating in the meet include: Recognition for the Section for receiving the coveted award and also for the best practices followed at the section. The other benefits include: Interaction with various section chairs from India, Connectivity with the MGA office bearers, R10 Coordinators, Section chairs from Asia Pacific region, sharing the activities carried out by Madras Section (by presentation/news letter) with the delegates and getting exposed to the activities carried out by various sections in the Asia Pacific region etc.,

Report by: Prof. T. Thyagarajan

Activities at Vivekanandha College of Engineering For Women

Robotics Workshop

At the inauguration of the Robotics Workshop on 16th Feb 2012, Dr. R. K. Gnanamurthy Principal/VCEW welcomed the gathering. Mr. Rajasekaran, Technical Leader and his team from Rana Power Solutions Bangalore were the resource persons at the workshop which was attended by the II, III, IV year UG students and I.M.E students of EEE Dept. In the morning session, presentations were made on the applications of Robotics. The afternoon was a practical session and dealt with the motors and the practical applications of robots. On the second day on 17th Feb, in the morning sessions, the presentations dealt with the assembling of the robots. In the afternoon session, students were assigned to assemble the robots and to operate it. The workshop ended with the student's feedback session and distribution of certificates to all participants by Dr. R. K. Gnanamurthy Principal/VCEW.

National Level Conference

On 18th Feb, 2012, an one day National Level Conference on "Recent Trends In Computational Intelligent Techniques In Power System" was held. At the inaugural session, Dr. R. K. Gnanamurthy, Principal/VCEW welcomed the gathering and the presidential address was given by Prof. Dr. M. KARUNANITHI, Chairman and Secretary, Vivekanandha Educational Institutions. After a special address by Mr. C. Chandrasekar, Country HR Manager, HP, the inaugural address was given by Mr. M. Gopalakrishnan, HR Manager - HP. Their addresses highlighted the expectation of the IT companies, the recent trends in the information technology field and the future IT.



Out of the 225 papers received from various colleges, 100 papers were selected. 91 participants from 27 Engineering Colleges presented their papers in four parallel sessions. The conference chairs and juries were Dr A. Jeevanandham, HOD/EEE Bannari Amman Institute of Technology, Dr. M. Mohamed Thameem Ansari, Associate Professor/EEE, Annamalai University, Dr. S. Thiruvengadam, Associate Professor/EEE, Dr. Mahalingam college of Engineering and Technology, and Mr. Jagadeeshwaran, Assistant Professor/EEE Sona

College of Technology. At the valedictory function, Mr. V. Rajaraman, Director, Prodigy Technovation Pvt. Ltd, Bangalore delivered the valedictory address highlighting the recent trends in power production and distribution and the factors affecting the demand of power. Ms. S. Gayathri, SVC Info Developer-I, HP delivered the special address. For the best papers, Shields and Certificates were presented.

Report by: Mr. B. Gopinath, gops_engr@yahoo.co.in

SAXON 2k12 – National Level Techno-Management Symposium held at Sona College of Technology



On 24th Feb 2012, SAXON2k12, a national level symposium was conducted for IEEE and non-IEEE members from different colleges. Around 350 participants participated in six different events namely – Paper Presentation, Multimedia Presentation, Quiz, Google Search, Microprocessor and Gaming. Mr. B. N. Acharya, DGM (PR), SAIL, Salem, was the Chief Guest. He enlightened the students on "Lateral Thinking".

Report by: Dr. S.Padma, swanisha@gmail.com

Activities at Amrita School of Engineering ANOKHA 2012

Award to IEEE Amrita SB



IEEE SB at ASE, received an award from the IEEE Madras Section for organizing a no. of events above the thresh-hold limit in the year 2011. The award was given during the AGM of the IEEE Madras Section held on 11th Feb 2012 at Chennai. Mr. C. Arunkumar, IEEE SBC has been elected as an Executive Committee member of the IEEE Madras Section for the year 2012-2013. The new Executive Committee Members of IEEE SB at ASE took charge for the year 2012-2013. It is headed by Sanjay Kumar as the Student Chairman.

Report from Student Activity Chair

Student members are the back bone of IEEE. In order to have their continued involvement with IEEE Madras Section activities, special efforts have been put in by the SAC to motivate them to renew / add new members which resulted in the following college SBs to enrol new members / renew the existing membership.

The following colleges were motivated to join / renewal SBs for the year 2012

College Name	Student Members	Faculty Members
Latha Madhavan Polytechnic College		6 (Renewal)
Jeppiaar Inst. of Tech.	28 (New)	3 (New)
MRK Inst. of Tech.	22 (New)	3 (New)
SA Engineering College	50 (New)	2 (New)
Francis Xavier Engg. College	27 (Renewal) 59 (New)	3 (Renewal) 1 (New)
Magna College of Engg.	80 (New)	3 (New)
Sastra University	15 (New)	3 (New)
Sri Shakthi Inst. of Engg. & Tech.	123 (New)	29 (New)
College of Engg. Tirunelveli	25 (New)	4 (New)
Velammal Institute of Tech.	32 (New)	3 (New)
MIT	73 (Renewal)	10 (Renewal)

In addition, the petition from the following colleges for starting new SBs have been submitted to IEEE HQ

1. Nanda Engineering College (Erode);
2. Velammal Inst. of Tech;
3. Nanda College of Technology;
4. Excel College of Engineering for Women;
5. Infant Jesus College of Engineering & Tech.;
6. Sastra University.

Report by Major V.V. Chandrasekharan

The third edition of 'Anokha,' national level students' technical festival of Amrita Vishwa Vidyapeetham was held during 16th – 18th Feb 2012. It was about making participants environmentally responsible and making them to find solutions for the sustainability of the planet. Terming this a great opportunity, R. Venugopal, VP, Robert Bosch Engineering and Business Solutions, Coimbatore, said solutions for maintaining sustainable environmental balance lay in technology. He urged students to learn to focus on technology without damaging the environment. N. Saravanan, CEO, Nissan Ashok Leyland Technologies, Chennai, asked the student participants to explore and use their potential to the optimum level as this was an era of opportunities. Inaugurating the tech fest, he urged the students to conform to core values and ethics. P. Venkat Rangan, VC of the university, said 'Anokha' provided an ideal platform for giving wings to one's creativity and innovation. Also, for the host students it was the best opportunity to learn to organise an event. Abhayamrita Chaitanya, Pro-Chancellor; M.P. Chandrasekharan, Dean-Engineering; and Prashant R. Nair, Convenor of 'Anokha 2012,' spoke at the inauguration. Mr. Saravanan threw open the showstopper of the tech fest – 'Torq – auto expo.' Two-wheelers and four-wheelers, both vintage and modern, were on display. The sponsors for the event included IETE, ACC Limited and other leading organizations in India. *The Hindu* was the media partner for the three-day event.

Quotes on Engineering

- ◆ Either You are a Born Engineer or by Experience, but not just by Degree.
- ◆ Scientists discover the world that exists; engineers create the world that never was.
- ◆ Every technological success is hailed as a great scientific achievement; every technological disaster is deemed an engineering failure.
- ◆ An engineer is someone who is good with figures, but doesn't have the personality of an accountant.

FORM IV

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I, Dr. KRISHNA V. PRASAD, hereby declare that the particulars given above are true to the best of my knowledge and belief.

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Activities at KCG College of Technology

Intra College Paper Presentation



An intra college paper presentation was organized on 13th Feb, 2012. It was judged by Dr. P. A. Balakrishnan, Dean, KCG College of Technology and Mr. N. Vivekananthamoorthy, HOD, IT Dept., along with the staff counselor of IEEE SB, Dr. C. Vaithilingam. 20 teams from various departments such as ECE, IT and EEE participated and presented innovative and creative papers like - Using RFID to remove fish plates from railway lines, Palladium cryptography, Future 4G warrior, Plastic memory, Wireless charging of mobile phones using micro waves, etc. After the presentations, judges gave a brief lecture about how to present a paper and shared with the participants the nuances of paper presentation. The participants were also given guidelines and tips for their future presentations. Following this session, the

winners were felicitated and the participation certificated were presented to all.

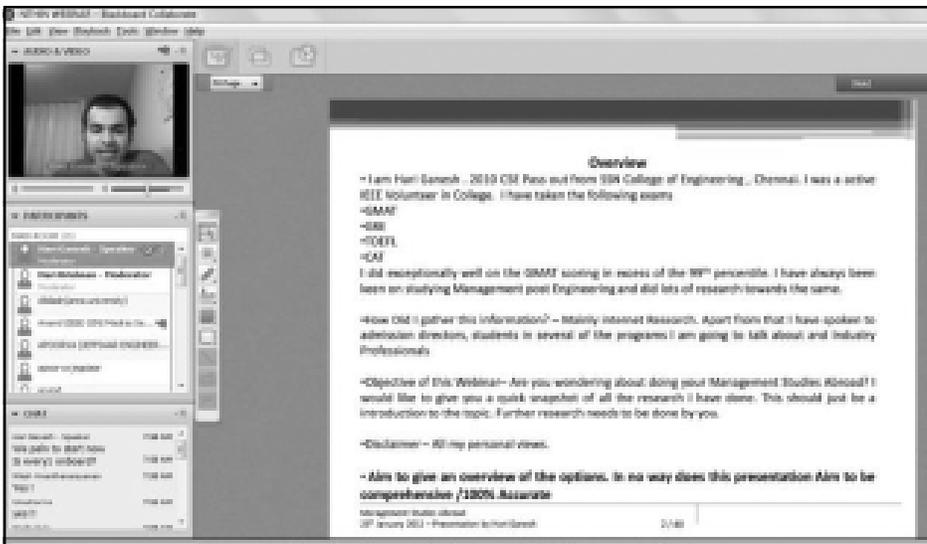
Seminar on Mainframe



A seminar on Mainframe was organised on 16th Feb, 2012 for the students from The Dept. of IT and other IEEE student members. Mr. Gopalakrishnan Vasu, IT Specialist from IBM has 14 years of experience in this field was the resource person. He started with an introduction to Z/OS and its architecture and detailed about various different applications of Z/OS and current projects which run using Z/OS. This two hours session ended with a demo on the working of the Mainframe system and Z/OS. It was a day of high end learning for the students.

Report by: Kiruthika Somasundaram Pillai, kiruthika1992@gmail.com

IEEE GINI Madras Webinar on “Management Studies Abroad”



A webinar on “Management Studies Abroad” was organized by the IEEE GINI Madras on 25th Jan, 2012. The speaker, Mr. Hari Ganesh S, Dept. of Management Science & Engineering, Stanford University gave an

overview of the MBA, MS in USA and MSc in UK/Europe. Having appeared for competitive exams such as GRE, GMAT, TOEFL, CAT and performed exceptionally well (99 percentile) in GMAT, he shared his research

work and strategy with the students. Mr. Hari Krishnan, Industrial Collaboration Lead, IEEE GINI Madras Section, moderated the entries into the session and guided the participants throughout the webinar.

The presentation lasted for about forty minutes focussing on admissions in USA/ Europe, such as Harvard, Stanford, etc., France, scope for placements, financial Aspects (cost and financial aid) and recognition in India. He also listed the procedure for applying for a program. Another major criterion for an MBA i.e., the work experience was given a clear picture as required by universities in different regions. In addition to it, he also elaborated on the Engineering Management courses which represent a blend of engineering skill and business knowledge needed to develop solutions to complex business problems. The interactive Q & A session enabled students to sort their dilemmas out under the guidance of a professional.

Report by: Apoorva P Naidu, apoorva_7191@hotmail.com

Activities at Knowledge Institute of Technology

Tribute to Gandhi @ KIOT

A Pencil Art titled Tribute to Father of our Nation “Remembering Gandhi” was organized by IEEE SB of KIOT on Jan 30. 20 Participants were participated in the pencil art in various concepts on remembering Gandhi, this competition was based on Gandhi and the struggle for freedom and his principle nonviolence and how he love India. Some participants by their art shown us why Gandhi was called Father of our Nation. This event ended by showing patriotism and love for our mother India.

KNOWMEET 2K12: National Level Technical Symposium



KNOWMEET 2K12, one day function on technical & non-technical events was organized by IEEE SB & INTEC an association of ECE on 31st January 2012. 60 participants from various colleges were actively participated. Dr.N.Bommanna Raja Principal of Excel Engineering College for Women was the chief guest. He spoke about the latest trends and its applications in various fields and how electronics plays a major role in emerging technology. In the forenoon paper presentation was held, topics on various fields was presented by the participants. This event helps to improve the students presentation skill and to know the recent trends in electronics and how new techniques are used in medical science, researches and communication & so on.

In the afternoon session the program started with “JUEMYSTERY” an entertaining and fun rising event which also tests student’s mental abilities. Followed by an event named “SILKA coder” was conducted in which creativity is the basic need to participate. Next session was an media event which test the students presenting skill –“MULTIMEDIA” was conducted and followed by “CIRCUIT DEBUGGING” was conducted, in which

students shown their technical skill; also it act as the platform for the students to gain more technical knowledge. In the valedictory function, Mr.V.Saravanan Asst Prof ECE addressed the gathering. IEEE SB counselor Dr.N.Santhiyakumari announced the winners of various events; followed by it, cash prizes and certificates were distributed by the Dr.K.Vishagavel vice principal KIOT and Dr K.Rajagopal Director KBS to the winners.

Project Expo

A project competition cum expo dealt with different aspects of electronics was held on Jan 31st 2012. 16 teams of three members each took part in this expo. A panel of judges



evaluated the teams and their projects based on criteria such as technical knowledge and the confidence in their project. Tthis event offered the students, a platform to interact with others and to present their ideas.

Debate on “Crucial Elements for Women Empowerment / De-powerment”

A Debate on “Crucial Elements for Women Empowerment / De-powerment” was organized by IEEE SB and Women Empowerment cell at KIOT on 3rd February 2012. The debate was started by group of girls who spoke about the De-powerment of women and all the negative aspects of the society towards women and evils still existing in our society against women. Whereas boys teamed

together and spoke about the empowerment of women, and the various factors which influences women to enhance them and how their talents were out flowed in all fields equally to men. Finally the Judge Mrs C.Gomathi WEC In charge analyzed all aspects of the debate and spoke about the struggles faced by the women’s in today’s world and how they overcome those obstacles and achieve and excel in their field.

Report by: Ms. K. Kavipriya,
Ms. S.Jeevithapriya, T.Sandhiya,
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Workshop on Python at Periyar Maniammai University



Department of CSE, IEEE SB of PMU and IIT Bombay jointly organized a “one day workshop on Python” in two batches on 6th Jan 2012 and on 25th Jan 2012. Total participants in batch 1 and batch 2 are 46 and 30 respectively. The aim of organizing this workshop is to promote awareness about the open source programming language among the students. All the students practiced python programming from the basics. Through this workshop, the students came to know how python programming differs from other programming languages and how it is used in scientific programming. The performance of the students was judged based on the test conducted by IIT Bombay at the end of the workshop.

Report by: P. Monica, ieeepmu@gmail.com

Section Membership as on 15th March 2012

Life Fellow	-	2
Fellow	-	2
Life Senior	-	7
Senior Member	-	93
Life Member	-	4
Member	-	1044
Associate	-	47
Affiliate	-	20
Graduate Student Member	-	680
Student Member	-	3199
Total	-	5,098

National Level Seminar on Recent Trends in Smart Grid at M. P. Nachimuthu M. Jaganathan Engineering College



A one day National Level Seminar on Recent Trends in Smart Grid was jointly organized by the Association of Electrical and

Electronics Engineering and IEEE SB on 18th Feb 2012. The Correspondent, Tmt.Vasantha Sudhanandhen presided over the function.

Prof.D.Sabapathi, HoD/EEE welcomed the gathering and the principal, Dr. K. Palaniswamy offered the felicitation. Mr. K. B. Manikandan, AP/EEE introduced the Chief Guest Dr.N. Kumarappan, Professor/EEE, Annamalai University.

In his inaugural address, Dr. Kumarappan, highlighted the importance of the technical contributions of the engineers and their role in the society. He reminded the students of Dr.A.P.J.Abdul Kalam's technical contribution to the nation and insisted the young budding engineers to follow his path. At the Valedictory function, Dr. C. Cristober Asir Rajan, Asso. Prof /EEE, Pondichery Engineering College was the Chief Guest and addressed the gathering on the recent trends in smart grid apart from distributing the participation certificates to the delegates. About 100 students from various colleges participated in this seminar. At the end, the association coordinator Mrs. S. Poornima delivered the vote of thanks.

Membership Drive at Thangavelu Engineering College



As a motive to enlighten students into the technical world, the IEEE GINI Madras in association with the SB of Jeppiaar Engineering College organised a membership drive for the students of Thangavelu Engineering College on

5th Jan 2012. Mr. Lokesh, student co-ordinator, III year ECE, Thangavelu College welcomed the audience and introduced the speakers. The speakers for the day were Mr. Anand B, Student Branch Networking Lead, IEEE GINI Madras Section, Mr. Nivas R, Secretary, IEEE Student Branch, Jeppiaar Engineering College (JEC), Ms. Apoorva P Naidu, Secretary IEEE WIE AG, JEC and Mr. Sharon Roy, Treasurer, IEEE SB, JEC.

Ms. Apoorva gave a brief introduction to IEEE, its history, mission and vision, who can join, the membership grades and the 10 regions. It was followed by the benefits of membership

by Mr. Sharon Roy and Mr. Nivas. Benefits such as spectrum magazines, e-mail alias, IEEE Awards and contests, IEEE XPLORE and lots more were explained to the enthusiastic students.

Mr. Anand, gave a detailed view on "FORMING AND RUNNING A STUDENT BRANCH" He emphasized on the roles of different office bearers and committees and sub-committees. The overall session was a grand success with large number of positive feedbacks.

*Report by: Lokesh Bharani K.,
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Guest Lecture on "VLSI Design" at K.S. Rangasamy College of Technology



A guest lecture on "VLSI Design" was organized on 20th Jan 2012. Mr. G. Prakash, Associate Professor/ECE, KSRCT introduced the Chief Guest, Mr.T.V. Anantharaj, Staff Design Engineer, SanDisk India, Bangalore.

The lecture session began with the basics of Very Large Scale Integration (VLSI) design systems. More than 10,000 transistors were embedded in a single chip is called VLSI. India's contribution to the semiconductor industry, evolution of VLSI and integrated circuits, first monolithic IC, latest Pentium 4 processor layout, VLSI and IC design flow were some of the topics that was dealt in the morning session for the pre-final years students. Interesting information regarding from SanDisk products like pen drive, memory cards, memory vaults were also discussed. Video clips regarding the fabrication of IC, silicon wafer processing, and various steps involved in building a transistor was demonstrated to the students.

The guest lecture gave information regarding the key players in the System on Chip (SoC) design flow. The future scope and application of SoC also discussed. The session was really interactive since the students were also very keen in clarifying their doubt with the resource person. The guest lecture provided a platform for the students to understand the basic concepts in VLSI and SoC design flow.

*Report by: C. Rajasekaran,
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For the details on "All India Young Engineers" Humanitarian Challenge 2012" pl. visit <http://www.humanitarian.org/in/>

Activities at VIT University

PES Explore



The first event, in association with McAfee Inc. and VITAA was conducted on 13th of Jan 2012. Mr. Gaurav Ghai, an alumni of 2009 batch of VIT, now working with McAfee was the guest lecturer at the event. Around 60 students had gathered for the guest lecture and actively participated in the session. The event mainly helped in enlightening students on their career issues related to concerns over Internships, Project work, Job focus and tackling other issues on the path to success. Students very aptly guided by the speaker who himself had faced all these challenges during his graduation. There was also an interactive session in which the students actively participated and were amused by the useful replies by the guest. It also provided an opportunity for all the participants to get to know their university on better terms and have a clear picture on their future.

E:Mad



On 27th Jan 2012, the event E:Mad – Environment: Make a Difference, was organized by the PES at VIT University. After a brief talk by Deepthi Sundararajan on how IEEE-PES a student chapter in VIT is spreading awareness about the event locally as environment is now a relevant social issue, a presentation was made by Ms. Geraldine Willcocks about SEBS, the work and projects they are involved in and information on how to be a social entrepreneur : problems faced, career opportunities, long term planning. Following this, a presentation was done by Mr. Siddharth on Uddeshya - an NGO started indigenously by VIT student Siddharth to spread awareness about HIV aids, its fundamentals, its principles and its vision and

mission. Mr. Nadheem, the regional head of MAD – a youth volunteer network, presented on how MAD is a social entrepreneurship

model. MAD is the largest youth network imparting education to underprivileged kids.

Tour-de-vit



IEEE PES conducted Tour-de-vit on 24th Jan 2012, whose main aim was to make the students aware of the energy centres at VIT University and the research work going on so as to promote the green energy. VIT University has abundant distributed generation sources like solar park, solar dish Stirling, a bio mass gassifier, fuel cell laboratories. As many as 35 students participated in the power houses visit session. They were divided into two groups handled by one faculty each. Dr Vijay Kumar and Prof Monica Subhashini have accompanied the students to the green technology centres. Their support and guidance has helped the students understand the processes in each of the power houses. The Green technology faculty in charge Dr Natarajan has helped the students by directing the technicians to explain the processes in detail in a very elegant manner. Students have showed interests in processes explained in the carbon di oxide research centre.

Energy Day

At VIT, 2nd Feb 2012 was declared and observed as ENERGY DAY. The event on this day, witnessed active participation of students and staff members from VIT, Vellore as well as other colleges. People were willingly coming forward to write down a caption on the need to preserve our resources and use them wisely

They expressed their concern on the misuse of energy resources and took a pledge to do their best to protect our world. With the motto of 'SURVIVE 2012', the campaign reached out to one and all. The banners and posters designed by the members of PES depicted the sad state of wastage of power and urged the public to take a step in the right direction. With the objective of spreading the message forward and asking everyone to do their bit, we distributed stickers, badges and ribbons. With the aim to protect the environment, IEEE-PES has taken up another initiative of PoFreCa (**P**olythene **F**REe **C**ampus). In this campaign we distributed good quality and convenient to carry paper bags and asked the students and teachers to use them instead of polythene bags which damage the environment irreparably. After distributing free paper bags in the campus stores like Balaji bookstore, we are on the track of doing this on a large scale and making this a permanent affair. Our other programme of STAWP (**S**Tudents **A**wareness **P**rogramme) involved the members to disseminate information regarding the various environmental issues in local schools.

PES TALK

IEEE PES (Power and Energy Society), a student chapter in VIT brings out PES TALK, an ace magazine which will enlighten all to the latest trend in modern technology, amazing facts, and articles of people who matter. The latest (Jan 2012) issue themed – Wireless Electricity was quite a rage. WITRICITY- one unique and innovative idea, if successful will change the way people live. It might just bring about a world without wires. Although still in its developmental stages, it has a great potential. Two other very interesting articles mentioned in it were – the new particle discovered by CERN using the LHC and – SOLAR ROADWAYS which is a smart grid technology obtained by surfacing roads with solar panels. Also for the students, there was information on the new GMAT format 2012 and latest inventions in the industry- organic battery and solar paint. The highlight of this issue was an interview with J.P. Nimodia, a 4th year VIT student. An iconic figure, he was placed in his 3rd year of engineering itself and has many other achievements to his credit. One talk with him showed that it was "PLANNING" that helped him balance the varied things in hand.

Report by: Kunal Singh,
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Activities at Kalaingar Karunanidhi Institute of Technology

Guest lecture



A guest lecture on “Renewable Energy Sources” was organized on 7th Jan 2012 by Dr. Akhthar Kalam, Prof., Dept. of EEE, School of Engineering, Victoria University, Melbourne, Australia. Dr Kalam, in addition to the key note address on the topic, highlighted the scope of engineers in Australia. Mr. Kannan. K, Research Scholar with Dr. Kalam at the Univ., shared the technology on “Renewable Source” developed at the Victoria University. This technology is a hybrid model consisting of H₂ and Wind Energy. He also shared the installation experience of the prototype which is in operation at Victoria University. About 200

students from EEE and ECE Depts. attended this talk.

Blood Donation Camp



A blood donation camp was organized on 23rd Jan 2012 by the IEEE SB of KKIT in association with Dept. EEE / NSS / RRC / YRC. The camp was inaugurated by Dr. P. Anbalagan, the Director/HOD/EEE. Prof. S. Suresh, IEEE SB Counselor initiated the blood

donation camp by donating the blood. A team of doctors and para-medical staff from Coimbatore Medical College and Hospital

(CMCH) came to the college campus to organize this camp. About 175 units of blood were donated by the students and staff of KKIT.

Report by: V.Sridhar, viswasri@ieee.org & Prof. S. Suresh, suresh.seetharaman@ieee.org

ISCT-2012 at Thiagarajar College of Engineering



Thiagarajar College of Engineering organized the IEEE Student Congress ISCT-2012 on 28th of Jan ,2012. The event started with the gracious prayer to the almighty followed by the welcome address by the principal and SMIEEE branch mentor, Dr. V. Abhai Kumar.

The Chief Guest at ICST-2012 was Dr.

T. Thiagarajan, Chairman, IEEE Madras Section. He delivered a mind boggling speech on the compatible project works that could be done at Under Graduate level, elaborating the steps on how to create a paper from scratch of identifying the broad area and the compatible members up to the preparation of the presentation. He quenched the dominant inquisitiveness of the students of how to prepare and attend the interview, elaborating the questions in the interview and expectations of the interviewer. He also gave transparent details on the pursuit of proceeding management studies as a continuation of Engineering, extending it with the details for student with ambition of doing studies in the west.

Mr. S. Rajavel, Execom Member, IEEE Madras Section gave an overwhelming speech on the benefits of IEEE. Following that, Hardware and Software events were organized in three rounds limiting the participants at each round, along with a non technical managerial event for non IEEE members.

GINI team, successively elaborated the details of the benefits of joining IEEE, relating the IEEE link with major foreign institutions, hence enabling the dynamic IEEE members to pursue higher studies, also, following the expansion of IEEE all over the globe. GINI team provided a clear visual of How IEEE helps members to be update technically, develop their careers and develop humanitarian qualities.

Report by: K. Kalyani, k_kalyani@tce.edu

Workshop on VLSI Technology at Kongu Engineering College



A workshop on VLSI Technology was conducted by the IEEE student branch of Kongu Engineering College on 16th Feb 2012. The workshop was conducted by Dr. M. K.

Radhakrishnan, Director, NanoRel, Singapore. Prof. K. Narayanan, Staff Co-ordinator, IEEE SB welcomed the gathering and introduced the chief guest. Dr. M. K. Radhakrishnan began the workshop session with interesting facts about VLSI. He briefed about the evolution of electronics and the various inventions that contributed to the development of electronics. He then explained how the circuits were reduced in size and made compact which led to the evolution of VLSI design. He moved on to the designing and manufacturing of VLSI chips and also discussed about the problems in the manufacturing process.

He concluded the workshop by encouraging the students to do researche in manufacturing area and venture into manufacturing in India. The workshop concluded with the vote of thanks by Gayathri Rajasekar, Vice-Chairperson, WIE.

Report by: M.S.Vardini, vardi.sukumar@gmail.com

For the programmes and presentation at IEEE Region 10 Annual Meeting held on 3&4 Mar 2012 pl. visit <http://ewh.ieee.org/reg/10/Reports/meetrep/meetrep2012.html>

Presentation Contest at Jayaram College of Engineering & Technology



IEEE student branch of Jayaram College of Engineering and Technology organized a

presentation competition on “Do The Development Of The Technology Day By

Day Makes The World Stronger Or Weaker?” for the budding technocrats on 31st Jan 2012 where 25 students from various departments actively participated. Dr. N. Kannan, Mentor, IEEE SB was the chairperson of the competition and Dr. S. A. Sahaaya Arul Mary, IEEE SB counselor welcomed the gathering.

The presentation competition was framed to reveal the hidden talents and testing technical skills of the participants who were grouped into teams based on their respective departments. This event was very useful for them in gaining knowledge about the current technology that reveals around the world. This competition was organized by B. Prasanna, S. Deepika and R. Balaji, of III CSE and received an excellent feedback from all the participants. The winning teams were awarded with the cash prizes of Rs.3000/- and certificates.

‘SPECTRUM’ – An Eye Opener!” — Tech Talk at FX College of Engineering

A technical talk on ‘Spectrum – An Eye Opener!’ was conducted by the FX IEEE SB on 14th Feb 2012. The resource person Dr. B. Priestly Shan, Execom Member of IEEE EDS Society highlighted on the privileges of being an IEEE member.

Dr .B. Priestly Shan gave an overview of the benefits of IEEE magazine, Spectrum, which provides awareness on emerging technologies in various sectors. He also mentioned about the winners and losers in technologies that are discussed in the spectrum, about pursuing our dream job, to plan career and the support of IEEE to its members in various ways. He further, discussed about green technology, where the new techniques can be implemented in the eco-friendly way. He pointed out the fact, that technology should not have any adverse effect on the human life and nature. He spoke about the wide gap between the curriculum and technical developments in the real world. As an example, he stated that in curriculum, sampling theorem



is discussed whereas the industries have moved into the concept of compressed sensing. He added that IEEE journals and magazines play a great role. They act as a bridge between the curriculum and the present technical development. Moreover, while publishing papers and journals, things which should be and which should not be done were also discussed. He emphasized on the need of

knowing the terms such as ‘H-index’, which is essential for a research scholar and also about ‘plagiarism’.

This motivating session was attended by the IEEE students and staff members along with some of the non-IEEE students.

*Report by: S.Soumya,
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Online Test for IEEE Students at CIET



IEEE SB of CIET had organized an online test for all the IEEE members and the final year students of the college on 31st Jan 2012. The test topics covered include: introduction to computers, software engineering, problem solving techniques, software testing, RDBMS, operating system, data structures, C programming and C++

programming. About 200 students participated in the test. Students have to solve 90 questions in 70 minutes. The questions were of objective type and included negative marks. At the end of the test, the students could get their score for the individual topics. This test helped the students to know their strengths in the technical domain.

Report by: Saravanan.B

RaMmCom'12: FDP on “Recent Advances in Millimeter Radio Communications”



The Dept. of Telecommunications Engineering, SRM University conducted a two day faculty development programme on “Recent Advances in Millimeter Radio Communications - RaMmCom” during 6-7, Feb 2012. Around 60 M.Tech students and 25 Faculty Members associated/participated with this programme.

Prof. Dr. A.D. Sarma, Professor & Director, Research & Training Unit for Navigational Electronics, Osmania University, Hyderabad, was the Chief Guest for the

Inaugural Function and delivered a talk on “Atmospheric Effects on Millimeter Wave Propagation”. HoD/TCE, Prof. Dr. T. Rama Rao welcomed the gathering.

Following the inaugural session, Dr. Vince Rodriguez of ETS Lindgren gave a wide exposure on “Anechoic chambers for antenna pattern measurements and challenges for antenna pattern measurement in the mm wave range”. After this, Prof. Dr. S. Raju of Thyagaraja College of Engineering, Madurai, discussed about “Avenues and Applications

of Millimeter Wave Communication Systems”. The last session on day one was given by Mr. Rahul Unni, Technology Specialist of ANSYS/ENTUPLE, who gave an exposure on the usage of “Ansoft Tools for High Frequency Design and Simulation” and about “Capabilities Of Ansys/Ansoft In Millimeter Wave Communications”

On day two, Dr. P.H. Rao, SAMEER, Chennai presented a very informative session on “Millimeter wave imaging”, followed by Mr. Senthil Kumaran of HCL Technologies, discussed about “Antenna Test and Measurement Issues”. Then, Dr. V. Nagarajan, Andromedia Communications, Chennai gave an innovative lecture on “Next-Gen Networks Intelligent/Cognitive Network Architectures, Optical Fibre/Wireless”. Mr. Sentil, ElmackEngg/Agilent showcased the wide scope of ADS software in Antenna design. Finally, RaMmCom'12 concluded with Mr. Rajesh Kunnath of Radio Studio, Chennai with an Intuitive Introduction on “Cross Coupled Microwave Filters”.

This event was conducted as part of our IEEE Comsoc Student Branch activity and supported by BenchMark and Agilent Technologies.

Report by: Dr.T. Rama Rao, hod.itce@ktr.srmuniv.ac.in

Book: No Fear of Failure

Gary Burnison, CEO of Korn/Ferry International, shares one-on-one conversations with a dozen successful leaders in the book, *No Fear of Failure*. He found a common theme in these conversations: they each “exhibited tremendous courage around the possibility, and even the inevitability at times, of failure. In the face of uncertainty, they draw on an inner strength that allows them to strive for what is possible rather than become paralyzed by the risk of failure.”

Indra Nooyi, chairman and CEO of PepsiCo, on Learning: “The one thing I have learned as a CEO is that leadership at various levels is vastly different....As you move up the organization, the requirements for leading that organization doesn't grow vertically; they grow exponentially....If you want to improve the organization, you have to improve yourself and the organization gets pulled up with you....Just because you are a CEO, don't think you have landed. You must continually increase your learning, the way you think, and the way you approach the organization.”

Vicente Fox, former president of

Mexico, on Humility: “The higher leaders rise, the further they move from where they began. The danger is that success will undermine their humility, leaving them out of touch and disconnected....There are so many temptations that would undermine your humility. You have to develop that part, work on it all your life. It's easy to fall on the other side, especially when you are in power and have a position.”

Daniel Vasella, MD, chairman of Novartis AG on Stewardship: A vineyard owner pointed to a stone wall and explained how his grandfather had started building it and then his father added to it as did he. Vasella “found this to be a fascinating analogy. It's like no great cathedral was built in one generation. There are several implications. First, you're not here to take advantage but rather to add. Second, you will not finish. Third, it is very important that the overall vision of what is being built be shared by several people over time.”

Coach John McKissick, the “winningest” coach in football on Coaching: “I don't coach football, I coach kids.” His code is “to live clean, think clean,

and stop doing all the things that will destroy them physically, mentally, and morally, and to start doing things that will make them cleaner, finer, and more competent. That's not a sacrifice. I tell them that all the time. I'm helping you be a better person and a better player.”

One of the most important leadership lessons **Burnison** learnt in his career was that “leadership is all about the other person. No matter the topic—whether someone is being fired or has just told you about a serious health issue—that person should leave your office feeling better than when he or she entered.... For the CEO there is no off-the-cuff remark. Leadership demands introspection and an understanding of the clout that one's words and actions carry.”

The conversations, Burnison shares will influence your leadership in profound ways. As leaders, we need to keep learning. It's key to our success. It's sad how many leaders do not actively pursue their own leadership development. This book will help.

More details of this book at <http://www.kornferryinstitute.com/nofearoffailure/>

Compiled by Barnabas Muthu, Member, IEEE MAS GOLD Exe Com

Workshop on Ethical Hacking and Information Security at MIT

IEEE student branch of MIT, Anna University, Chennai, hosted a two day workshop “D_Code” on Ethical Hacking and Information Security in association with IIT Kharagpur E-cell and Virscent Technologies Pvt. Ltd. on 29th Feb and 1st Ma 2012. The primitive objective of this workshop is to train the participants in the field of Ethical Hacking and on how to secure their data.

Dr. V. Vaidehi, Counselor, IEEE SB and HOD-Dept. of IT, MIT, AU, welcomed the gathering. Dr. K. Boopathy Bagan, HOD- Dept. of Instrumentation introduced the chief guest Mr. T.S. Rangarajan, Chairman, IEEE Madras Section. Dr. T. Thyagarajan, Imm. Past Chairman, IEEE Madras Section and Director, University Libraries, AU, felicitated the chief guest and briefed to the audience on the importance of being a Member of IEEE. Mr. T.S. Rangarajan after inaugurating the workshop spoke about the importance and the need for Ethical Hacking and protecting ourselves from the attacks. Mr. Alok Kumar and Mr. Tajinder Singh, workshop presenters from Virscent Technologies, gave a brief introduction about the workshop.



The workshop was attended by about 235 participants (IEEE and non-IEEE members) from colleges across the city. The modules of the workshop included: Introduction to Ethical Hacking; Cyber Forensics; Web Based E-mail attacks and Security; Windows OS hacks; Malware working and detection; Networking attacks and security; Web server attacks and security; Hacking using Google; and VOIP and Mobile Hacking.

At the end of the two day workshop, a

competition was conducted named the D_Code challenge in association with Intecho12, which gave a chance to all the participants to showcase their newly acquired skills. A few students who had laptops participated and the winner was awarded a HTC Android Mobile worth Rs.10,000. Certificates were distributed along with a software tool kit worth Rs 700, at the end of the workshop. The workshop received an excellent feedback (9.5 on a scale of 10).

Report by: Nikhil.K & S. Selvam Raju

All India GINI Face to Face Meet 2012



IEEE Madras Section Global Integrated Network of IEEE (GINI MAS) organized the All India GINI Face To Face (F2F) Meet' 12 at Sathyabama University on the 4th and 5th of Feb 2012. The inaugural function commenced with the Tamizh Thai Vazhuthu. At the inaugural session, Er. Rangarajan, Chairman, IEEE Madras Section addressed the gathering and shared the silver jubilee experience of IEEE Madras Section. Er. Prasanna Venkatesan, R10 GINI coordinator, explained the phases of growth of IEEE and Er. Jaison, Chairman, GINI India, explained the needs of GINI.

About 50 active Student GINI Volunteers from Delhi, Madras, Hyderabad, Bangalore and

Kerala Sections participated and made presentations on their previous year activities in this meet. Few invited GOLD Members from each section (including the host section) to mentor the GINI Volunteers also took part in the meet.

The GINI India Executive Committee had a break-out session to discuss the plans for the year 2012. Students interacted among themselves on improving the quantity and quality of Student Branch activities, issues and how best to tackle them professionally. Er. Jaison, gave tips on organizing quality events and how to overcome the blocking stones hindering effective administration.

Day started with the brainstorming within the groups moderated by Er. Arjun and mentored by the GOLD Volunteers. Major V. V. Chandrasekaran, Secretary, IEEE MS & SAC, Madras Section and Er. H. R. Mohan, VC, IEEE MS & Chair, IEEE CS & PCS were also the part of the session. Different case studies on Membership Growth, Membership Sustenance/Retention and Issues faced in SBs were assigned to groups and it was nice to see the volunteers coming out with great ideas. The SAC and the VC of the Section also added to the ideas and commented on the inferences of the brainstorming. The floor was then open for questions and discussion on issues of membership, sustainability, industry relations and funding. In the post lunch session, Er. Jaison then presented the GINI India Strategy Plan 2012 in which he shared the various activities planned through GINI India on Industry relations, Collaborative Platform and Student Branch Networking. The delegates were presented with a certificate of participation by the SAC and Vice Chairman of Madras Section.

For a more detailed report and the photo gallery, pl. visit the posting at <http://goo.gl/9SYd8> at the section website.

Report by: Praveen Vinny & Apoorva P Naidu

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Congratulations



Link congratulates our senior member, section vice-chairman and chairman of IEEE CS & PCS, Mr. H.R. Mohan, Associate Vice President (Systems), The Hindu, Chennai for having received the "Meritorious Service Award" from the IEEE Computer Society for the outstanding and sustained contributions as the Chair of the Madras Chapter of the IEEE Computer Society.

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Posted On : 24th March 2012

Posted at: Egmore RMS (Patrika)

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