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Newsletter of
IEEE MADRAS SECTION

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Chairman's Message

T.S. Rangarajan
ts.rangarajan@gmail.com

Dear Members

Close on the heels of our Annual General Meeting (AGM) on Feb 9, 2013, we had the IEEE Region 10 meeting at Chiang Mai, Thailand on March 2 and 3, 2013. Some of the highlights of the R10 meeting follow:

- Toshio Fukuda, Director R10 started the meeting by saying that 57% of all IEEE Xplore usage comes from R10. R10 is nearly 25% of total IEEE strength. Also R10 sponsors the maximum number of conferences in IEEE.
- Ralph M Ford, VP-MGA and MGA Board Chair, based on a survey, identified the key challenges faced by IEEE as – low member satisfaction, exploring new geographical markets, declining membership in mature markets, rise of social media and changing demographics, organizational complexity and volunteer commitment
- E James Prendergast, ED, said that increasing society memberships was a challenge. IEEE had done well in IP (Intellectual Property) sales this year with a Y-O-Y increase of 7.6%. The new initiative of engaging corporate membership was showing good promise with many large corporates in the US signing up. IEEE Standards initiative was also picking up because Standards which are so important for the industry are not taught in colleges. 'IEEE Access', the open access initiative of IEEE was also getting better traction with many societies starting open access journals online. A 'Volunteer Extranet' based on Google Apps is scheduled for launch shortly which will help in better collaboration and co-learning among volunteers.
- Cecilia Jankowski, Secretary, MGA, in her address said that the yearly churn (number of old members leaving + new members joining) of IEEE membership was close to 80,000 per year. The site, ieee.org/benefits is constantly updated for us to help new members join IEEE.
- Douglas Gorham, MD, Educational Activities spoke about the expanding role of Education in IEEE both for academic institutions as well as industry
- The Director Elect – Mr Ramakrishna Kappagantu presented the 'Robert's Rules of Order' on how to conduct a meeting – which is a usual presentation by all Director Elects.
- Presentations by several committees
- Poster Session of each R10 initiative
- The new R10 website www.ieeer10.org developed on Wordpress by Gowtham Prasad and team was launched by Dr Fukuda.
- MOU signing between Chiang Mai University and IEEE for Continuing Education Programs

On the sidelines of the R10 meeting, an India Council meeting was organized by Dr. M. Ponnavaikko, Chairman, IC. Lawrence Wong, Immediate Past Director, who has been asked to lead the 'Development of a Strategic Plan for India' made a presentation on the outline of the exercise and lessons learnt from doing a very similar exercise for Japan last year. Lastly, IEEE's India Office – GIEEE- which wants all sections to sign a service agreement with them for complying with FCRA 2011 rules discussed the details with the India Council members. Till next time.

Yours voluntarily
T.S. Rangarajan

From The Editor's Desk

H.R. Mohan
hrmohan.ieee@gmail.com
Blog: http://infoforuse.blogspot.com

Dear Friends,

Our Section chairman, has given a briefing on the recent R10 (Asia & Pacific) meeting held at Chiang Mai, Thailand. It is heartening to note that maximum number of conferences are being organised in R10 and also IEEE Xplore is being used very effectively by members from R10.

From a recent posting at www.theinstitute.org, it is noted the largest percentage of growth in membership was in R10 which grew by 10% to 107154 members out of 429085 globally. This indicates thar R10 constitutes 25% of the IEEE membership – a remarkable growth. The share of India Council in R10 is about 50% and that of Madras Section is about 25% of IC. With this strength, we can play a major role in IEEE with coordinated effort from all volunteers. We have every reason o get maximum number of awards and recognitions and make the 2013 AGM as a award ceremony as we wished during 2012 AGM held last month.

As indicated, in the last issue, the contact details of the chairs of te Society Chapters and Affininity Groups have been published in this issue for reference and to facilitate meaningful intearction and support while organising conferences with their technical sponsorship.

This month, we have received matter which would demand almost twice the no. of normal pages (12) of LINK if we have to accommodate all. Obviously, keeping the printing and mailing cost in mind, we have included the reports from the following institutions, in the order of their receipt. Reports submitted late are being carried forward to next month.

Sri Ramakrishna Engg College; Sri Shakthi Inst. of Engg & Tech; Saveetha Engg College; Mahendra Engg College; Excel College of Tech; Dhanalakshmi Srinivasan College of Engg & Tech; Jeppiaar Inst. of Tech; Jeppiaar Engg College; Sri Muthukumaran Inst. of Tech; SMK Fomra Inst. of Tech; Velammal College of Engg & Tech; MPNMJ Engg College; Sengunthar Engg College; National Engg College; Knowledge Inst. of Tech; Sathyabama Univ.,; PSR Rengasamy College of Engg for Women; Sona College of Tech; PSNA College of Engg & Tech; Sri Krishna College of Engg & Tech; KS Rangasamy College of Tech

In this context, we wish to point out that we are receiving reports as old as three to four months after the date of the event, which in future will either get low priority or may not be published. Hence, please send the reports in time as per the guidelines available at http://goo.gl/8KFdM

Brief reports on the Student Skill Development programmes on "Soft Computing Tools in Engineering" and on "Get wired to the wireless world" and the Student Network activity related to Microsoft Tech Days have also have been published in this issue.

Again as an economy measure, we will have the forthcoming events listed on the web since the events are consolidated at the India Council level and runs in to pages. You can access the events list at http://goo.gl/UaSa4 and get benefited either by presenting papers or by participating and enriching your knowledge. Event organisers, may pl. note that they can get their events listed by sending the event details as per the format indicated at the end of the list.

Sri Ramakrishna Engineering College

Guest Lecture

The SB and the Dept. of ECE-PG (VLSI Design) organized a guest lecture on "Biomedical Signal Processing" on 19th Jan 2013 in which Mr. Kamalraj Subramaniam, Research Scholar from University of Malaysia spoke about the application of real-time signal processing in the field of biomedical engineering and its implementation using FPGA.

Guest lecture on "ARM Processor and its Applications"

The SB and the Dept. of ECE-PG (VLSI Design) organized a guest lecture on "ARM Processor and its Applications" on 9th Feb 2013 by Mr. M. PradeepKumar, Managing Director from Hexbedded Technologies, Coimbatore.

In both the programmes, Prof. K. Thinnappan, Prof. and HoD/ ECE(UG) welcomed the gathering and Dr. M. Jagadeeswari, Prof. and HoD/ECE(PG) delivered the presidential address. The event was coordinated by Prof. C. S. Manikandababu, Asst. Prof. (Sr.Gr).

Report by: K. Balamurugan

Career Counseling Programme for 10th and +2 Students

IEEE-WIE Students Affinity Group had organized the Career Counseling Programme for 10th and +2 Students of Government Higher Secondary School, Chettipalayam, Podonur, Coimbatore on 8th Feb 2013. A group of eight faculty members and two students had visited the school. Dr. P. Karuppuswamy, Prof & Head/Mech, Prof. G. Gopu, Prof & Head/BME, Dr. S. Jayanthy, Prof/ECE, Dr. M. Senthamil Selvi, Prof/IT, Prof. M. S. Geetha Devasena, Asso.Prof/CSE, Prof. C. J. Thomas Renald, Asso. Prof/E, Prof. B.Sharmila, Asso.Prof/ EIE and Mr. V. Gopu, Asst.Prof(SG)/EEE addressed the 10th and 12th standard students regarding the career opportunities in various disciplines.

Report by: Dr. M. Senthamilselvi

Sri Shakthi Institute of Engineering and Technology

International Conference on Computer Communication and Informatics

The Third International Conference on Computer Communication and Informatics was held during 4th-6th January, 2013. The conf. attracted 160 papers.

The inaugural function kicked off at 9.00am with lighting the ceremonial lamp followed by a video presentation that centralized the theme of nurturing minds. The Guest of honour Dr.K.Sivakumar, Regional Director Anna University Regional Centre Coimbatore, Chief Guest Shri.K.Ganesan Vice President. HR, TCS, Chennai, and Special Guest Shri.T.S.Rangarajan Chairman, IEEE Madras Section, Chairman Dr.S.Thangavelu, Principal Dr.S.K.Sekar, Director Dr. R.Manian, Secretary Er.T.Dheepan, Joint Secretary Mr.T.Sheelan of Sri Shakthi Institute of Engineering and Technology and many other delegates made their presence in the conference.

At the inaugural session, Dr. S. Thangavelu, Chairman, SSIET welcomed the gathering and advised the students to pursue higher studies in their respective domains and focus on inventions & research. Shri.T.S. Rangarajan Chairman, IEEE Madras Section, in his address, spoke about the quality of the papers being presented and pointed that every research paper should have 90% uniqueness and software is available for screening the quality of papers. He opinioned that India is rich in problems, opportunities, talents and solutions and the world can learn from India.

The Chief Guest Shri. K. Ganesan, Vice President, HR, TCS, Chennai released the conference proceedings and delivered the inaugural address highlighting the technological development that is happening in India and the need for doing more research. In this context, he added, to promote research, TCS is committed to extend aid to around 500 Indian Ph.D scholars in next four years without any commitment in return. He said that "Invention and Innovation are the back bone of major IT firms, where innovation leads to propagation which leads to deployment and back to innovation". He also added that students should cultivate the habit of Interrogation.

The Guest of Honor Dr. K. Sivakumar, presented the special address emphasizing the importance of research oriented learning.

The conf. had sessions in which Dr. T. Thyagarajan, Professor, MIT, Chennai, Dr. Mohammad. S. Alam, Chairman, Dept. of EE and CS, University of South Alabama, USA, and Dr. Siddharth Suryanarayanan, Colorado State University USA addressed the participants.

Following the inaugural function, the delegates presented papers on Image Processing, Data Mining and Network Security, Cloud Computing, Soft Computing, Feedback Control, Wireless Communication and Embedded Systems.

Dr. Mylswamy Annadurai, Programme Director, Satellite Centre ISRO, Bangalore was the chief guest at the Valedictory on 6th. Shri Thanga Jawahar Kalidoss, Global Head-Functional Unit, TCS was the special guest.

Dr. Mylswamy Annadurai, in an invited talk on Satellite Communication said that, Engineering and Science go hand in hand. Scientist investigates which exists, whereas an Engineer creates a thing that has never been. To illustrate, the Moon which already exists and Chandrayaan is an invention of an Engineer. He made a special mention on the India's

achievement in Space and Technology which to a greater extend aids in achieving the basic needs of Indians. Currently there are about 10 operational satellites which are in operations, like INSAT. He also explained about the various applications of satellites in Agriculture, Land, Weather & Climate, Ocean, Forest, Environment and Water. He linked how computers and communication are useful in satellites. He gave a glimpse on Mar's Orbiter Mission, which he is currently focusing on and the competitions which India is facing in implementing the Mars Mission. He added that it costs 25000$ to send 1kg of material in a satellite to space. He highlighted the role of VLSI and Embedded systems in miniaturization. Apart from these, Renewable Energy Sources, Power Electronics & Drives, Video Conferencing, Computer & Wireless Sensor Network, Neural Network and Fuzzy Logic, Robotics is also vital in satellite communication.

In the valedictory speech, he conveyed that, successful engineer must be able to communicate well. He added that to flourish, one must understand the circumstances, adapt oneself to innovate, communicate and comprehend the ideas. The tenacious attitude to excel everyday could mould a person as a successful engineer. Beyond classrooms, stands the podium of conferences that add colors to future. He advised them to aim more than what they are capable of and try to work out something more than what they have achieved and insisted the students to grab the opportunities to reach the zenith of success.

Publication chair Mr. R. Ashok highlighted the outcomes of the conference. Vote of thanks was delivered by Organizing Chair, Prof.S.Palanikumar, HoD/EEE. The certificates were distributed to the participants at the end of the conference.

Report by: Prof. S. Palanikumar

Saveetha Engineering College

STEP '12

The STEP '12 (Student Transition and Elevation Program) an IEEE placement training initiative was organised on 20th and 21st of Dec 2012 with more than 100 students participating and getting trained on the industry expected skill sets and talents.

After the inaugural address by Prof. A. Gandhi, HoD/MBA & Placement, SEC the keynote speaker Mr. C. A. Ravikumar, Director, Digiterati Consultancy Pvt. Ltd spoke about the importance of engineers in the world and the role of management studies. His mantra was Passion, Career and Skill for which he asked the students to "BE DIFFERENT". He inspired the students to be a "GLOBAL CITIZEN" and made the students try his ideas for a better future.

The speech was followed by Mr.S.Karthik IEEE, Madras Section, who gave a brief description about the IEEE GOLD and its various advantages. This also included the part of IEEE as a world partner in the Campus training programs like STEP.

In the afternoon, Mr. A. Gandhi addressed on topics like management and HR which involves a major part of the student transition program. Dean Prof Mr. R. Dheenadayalu gave an inspiring talk on the various requirements to be a good professional with the necessary qualities in an IT company.

On the second day, Mr. Abishek. V. Paul, HR Manager, Infosys shared his real time experiences he faced during his career and the tactics to overcome the failures.

The rest of the day had sessions on aptitude, programming and entrepreneurship skills by Mr. V. Perumal, Dr. P. Rajkumar and Ms. Megala respectively.

These two day sessions were very useful for the students from various colleges to acquire the basic soft skill and technical skills which are expected from a student in a corporate environment.

Report by: S. Praveenkumar & A. Nandini

Mahendra Engineering College

Workshop on "Altera Quartus II Simulator"

The IETE Students Forum (ISF) & the IEEE SB in association with M/s. Enixs Technologies Pvt. Ltd., Trichy conducted one day workshop on "Altera Quartus II Simulator" on 22nd Dec, 2012. Mr. S.P. Ramanathan, Technical Manager, ENIXS Technology was the resource person for the workshop. In the forenoon theory session, he elaborated on the VLSI software tool "Altera Quartus® II Simulator" in detail and illustrated the overview of computer aided design tool flow for ASIC and FPGA design environment.

In the afternoon practical session, hands-on training was given to the participants on the software tool and the Mega Wizard Plug-Ins which are parameterization tools that help to integrate mega functions into the designs without requiring the use of third-party tools. About 60 participants comprising of academicians, researchers and PG students participated in the workshop and benefited. Dr. R. Samson Ravindhran, Principal distributed the certificates to the participants. The workshop was coordinated by Ms. T. Loganayagi, Asst. Prof.,/ECE and Ms. S. K. Deepa, Asst. Prof.,/ ECE.

Report by: Dr. P. Raviram, raviramp@mahendra.info

The Engineering Projects In Community Service - in - IEEE (EPICS-in-IEEE) is a social innovation initiative. Visit http://www.ieee.org/go/epics-high for an application form, examples of past and current projects, and other information.

Excel College of Technology

DSP on Trends and Issues in Data Mining and their Unusual Applications

The IEEE SB, IEEE CS Madras, ACM Chennai & CSI Chennai jointly organized a DSP Lecture on 'Trends and Issues in Data Mining and their Unusual Applications' on 24th Jan 2013.

Prof. S. Rathinavel, Vice Principal in his opening remarks welcomed the Speaker Prof. V. Lakshmi Narasimhan of Dept. of CSE, East Carolina University, USA and explained the objectives of this program and the support extended by ACM and IEEE Madras Section and CSI Chennai in the presence of Principal Dr. R. K. Suresh and Prof. K. Ganeasn, SB counselor.

The speaker discussed the significance of Data Mining and its current and imminent applications in various fields such as Retail, Telecommunications, Pattern Analysis and Identification of Unusual Pattern, and Data Analysis. He explained that Data Mining is the advanced step of the "Knowledge Discovery in Databases" process, or KDD an interdisciplinary area in Computer Science - a process of discovering patterns in large data sets involving methods at the intersection of Artificial Intelligence, Machine Learning, Statistics, and Database Systems. The overall goal of the data mining process is to extract information from a data set and transform it into an understandable structure for further use. Dr. A. K Natesan, Hon. Chairman and Dr. N. Mathan Karthick, Vice-Chairman, Excel Group Institutions were also present on this occasion. His lecture benefited more than 200 participants comprising of students and faculty.

Prof. S. Rathinavel,
rathinavel.s@rediffmail.com

Dhanalakshmi Srinivasan College of Engineering & Technology

The IEEE SB and Dept. of EEE organized a one day international workshop on "SMART GRID" on 5th Feb, 2013. Dr. R. T. Nirmal Kumar, Director, DSCET delivered the welcome address. Dr. R. Ponraj, Principal, DSCET delivered the presidential address and briefed about the workshop.

Mr. J. Mahadevan, Asst. Prof. (EEE) introduced the chief guest Dr. Akhtar Kalam, Professor, Victoria University of Technology, Melbourne, Australia who gave three sessions of lectures on Issues and Status of "SMART GRID", Research Possibilities in "SMART GRID" and How to write a high impact factor Research Paper. Around 60 participants including faculty members and PG/Research scholars participated in the workshop. At the valedictory function, Mr. V. Karthikeyan, Asso. Prof. (EEE) proposed the vote of thanks.

V. Karthikeyan, vasu.karthi@gmail.com

Jeppiaar Institute of Technology

Inauguration of Student Branch

The IEEE SB was inaugurated on 12th Feb, 2013 by Mr.T.S. Rangarajan, Chairman, IEEE Madras Section and Enterprise Risk Officer, TCS. Dr. N. Marie Wilson, Director, JIT welcomed the gathering and introduced the chief guest.

After delivering an address on the emerging technologies and the academic support through IEEE, the chief guest, formally introduced the office bearers of the year 2013 and issued the membership cards to the members. Ms. C. K. Swapna AP/ECE proposed the keynote address and principal Dr. V. Kannan proposed the vote of thanks.

Report by: Ms.C.K.Swapna,
swapna@jeppiaarinstitute.org

Section Membership as on 1st March 2013

Life Fellow	-	3
Fellow	-	2
Life Senior	-	10
Senior Member	-	104
Life Member	-	3
Member	-	975
Associate	-	46
Affliate	-	6
Graduate Student Member	-	730
Student Member	-	2227
Total	-	**4106**

Jeppiaar Engineering College

Talk on SIGHT & EPICS

On 12th Jan 12, 2013, Mr. Anand B, Student Network Coordinator, Madras Section SAC, Vice Chairman, SB Networking, R10 SAC India shared his experience on how IEEE helps in doing humanitarian projects. He elaborated on EPICS, Engineering Projects in Community Services and shared few of his project experiences. One of project was selected for Global Humanitarian Technology Conference GHTC '12 held at Seattle, USA. He highlighted his experiences for building a project from scratch - choosing a topic, getting help, getting the resources, etc. He narrated about his experiences at GHTC, where he had the chance to network with inspiring people and collaborate with them. His talk was motivational to about 150 students who attended it.

Report by: Pragnya Srinivasan,
pragnya.srini@gmail.com

Aptitude Training Workshop

An Aptitude Training Workshop was conducted on 24th Jan 2013. Mr. Tony Xavier, Head of IMS Business Operations at Chennai conducted the workshop. Each participant was provided with a set of questions that were selected from previous year's competitive exams. Steering away from the popular method of working out problems by putting pen to paper, Mr. Tony guided the students to solve problems by simple logic. Sprinkled with humor the session emphasized the fact that even tough questions could be solved by reasoning. He encouraged the students to attempt the problems from a different perspective. About 150 student members attended this two hour aptitude training. Towards the end of the session students enthusiastically solved the complex questions posed to them.

Report by: Shalini S,
shalinisanthosh27610@gmail.com

Online Aptitude Contest

An Online Aptitude Contest was conducted on 2nd Feb 2013 to test our students on their knowledge in aptitude and logical reasoning. The timing of the test was from 5 pm to 8 pm with a duration of 30 minutes per test session. The test was taken by 26 participants from the second and third year in our college. The contest was won by Sai Srikanth, Sri Rakshaa and Vivek Venkata Subramaniam with first, second and third prices respectively. The Web page was designed by Joseph Peter and Kamakshi. The quiz questions were framed by Kowsalya and Chris Sahana. The average mark obtained by the students was 52%.

Report by: Linda Magdeline,
lindamagdeline@gmail.com

Talk on "Paper Presentation Methodologies"

The IEEE Communications Society student branch chapter organized a talk on "Paper Presentation Methodologies" on 5th Feb, 2013. Mr. Nivas Ravichandran, the chair of the society's chapter presided and briefed on the guidelines in presenting research papers in various national and international conferences. The event was attended by an enthusiastic young crowd who utilized this wonderful opportunity to the core and got their doubts cleared on various aspects of presentation. He also explained the IEEE format of a paper and the rules to be followed while framing a paper. He also shared his experiences with all the students on how to handle the questionnaire session. The event witnessed a good crowd of motivated students who were very eager to come up with new projects and ideas based on the upcoming technologies for the welfare of the society.

Report by: K.S.Anupama,
srinivasa.anupama@gmail.com

SPAC – "Make an Impact with IEEE"

Jeppiaar Engineering College organised a Section Level - Student Professional Awareness Conference themed "Make an Impact with IEEE" on February 8, 2013. The conference deliberations aimed at creating an insight on volunteer activities, and opportunities for students in personal growth and technical development especially with IEEE. There were four sessions as detailed below:

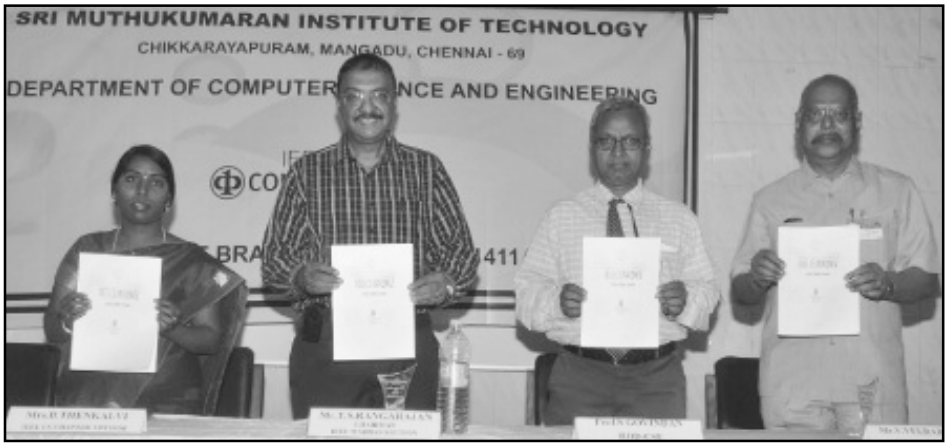
- Mr. Prasanna, Co-founder, amgonna.com, Voting Member & MGA Representative-IEEE Educational Activities Board drew his experience to give a bird's eye view of immense opportunities around and how young volunteers can choose specific volunteering path to generate maximum impact.
- Mr. Arjun, Co-founder & Chief Executive Officer, Profoundis Labs Pvt. Ltd., Network Coordinator- Asia Pacific Student Activities Committee, Member - Asia Pacific Humanitarian Technology Committee emphasized the importance of networking with the Engineering community, which not only provides us an open platform for the establishment and progression of individual ideas, enhancing the 'out-of box thinking' capability within us but also provides a wide raged recognition among our peer mates, making us an even better and efficient engineer capable to produce and innovate new technologies.
- Mr. Barnabas, Mentor- IEEE Madras Section Student Network, Executive Committee Member-IEEE GOLD AG Madras Section elucidated on Career based skills, Information and Leadership which can be enhanced only through associating with a professional organization like IEEE. He explained the present scenario of the multinational companies and also the key role of a corporate leader in development of the economic progression of a country, worldwide, in improving their standards and providing a global recognition. He concluded with an interesting quiz session.
- Mr. Anand, Vice Chairman-Student Branch Networking-IEEE R10 SAC India, Student Network Coordinator- IEEE Madras Section, Chairman, IEEE Madras Section SIGHT focused on the developments of technology and its impact on the national and global economy, which would provide every individual, a huge jumpstart to their dream career which should be utilized properly to climb up the ladder.

There were around 400 participants and the conference was wholly, a huge boost up and created a wide-ranged awareness among the students of the engineering front.

Report by: R.Anusha,
anusha.ark@gmail.com

Sri Muthukumaran Institute of Technology

Inauguration of IEEE Computer Society & Leadership Training Program



The inauguration of the student chapter of IEEE Computer Society, followed by a two days event on "Leadership Training Program" took place on 18th and 19th Jan 2013. Mr.S.Vikash Koushik, webmaster of the IEEE CS welcomed the gathering which was followed by a motivational speech by Dr. G. Sankaranarayanan, principal. Ms. B. Thenkalvi, chapter advisor spoke about the achievements of the IEEE CS members during 2012. Mr. M. Prasanth, chairman, IEEE CS, highlighted the benefits over being an IEEE CS member.

The keynote speaker at the inaugural was Mr. T. S. Rangarajan,cChairman, IEEE Madras Section. He addressed audience on the career opportunities briefed on the happenings in today's world and inside IEEE as well. He also released the first half-yearly newsletter of the CS, "IEEE CS INNOWIZ", an innovative creation of the student members. Certificates were presented to student volunteers, winners and runners of various events organized by the IEEE CS chapter during the year 2012.

The Leadership Training Programme was organized to bring out the best leaders and to train and students in Soft skills. Mrs. D. Uma Nandhini, Associate Prof./CSE summarized the schedule for the program which included the following:

- Awareness on women empowerment by Mrs. Sudha Umashanker, Journalist& Social Activist
- An interactive video conferencing on "Social Innovation" and sharing the experience over changing the Rural Africa through his Macha Works by Mr. Gertjan Van Stam, Initiator, The works Group, Zimbabwe.
- Sessions on Soft Skill Development by Ms. Kamala Tamilvanan, IEEE Gold member of SMIT and Executive Verbal Trainer.
- Presentation on the events of IEEE CS during 2011 – 2012 and the upcoming activities and goal by Mr. M. Prasanth, chairman, IEEE CS, SMIT.
- Sharing of IEEE experience and training towards leadership skills and event management activities by Mr. M. M. Hari Krishnan, IEEE Gold member & Industrial lead R10 Student Network Madras Section.

The program ended with the distribution of certificates for the participants and the volunteers.

Report by: M. Prasanth, prasanthemy@ieee.org & K. Sindhuja, sindhujakumar@ieee.org

Online Event "Crack the View – An Online HR Interview"

The Communications Society of SMIT SB in association with Madras Section Student Network organised an online event titled 'Crack the View - An online HR Interview' on 31st Jan, 2013 for the benefit of students of all branches numbering 180. This event focused on developing the interview skills of engineering students. The questions were framed in such a way that the participants get a clear picture on how a HR Manager of a company questions, checks their confidence level and their proficiency in the respective fields. It served as a platform for students to experience a mock interview that would cool them down to face the real time interviews. It had 30 questions and 60 minutes were provided for answering them. The questions were classified as 10 Technical, 10 Non-technical and 10 General questions. Mr. I. S. Selvakumar, HR Manager, Sungwoo Gestemp Limited evaluated the papers that helped in the participant's assessment.

Repport by: Maheswaran.P, mahesp93personal@gmail.com

SMK Fomra Institute of Technology

National Conference

A two day National Conference on Recent Trends in Electrical & Communication Engineering was conducted on Feb 8-9, 2013. Mr. Prakash Kumar, Deputy General Manager, North Chennai Thermal Power Station was the Chief Guest. Dr R. Raja, principal, in his address stressed the need for shared knowledge platform. Dr. A. Suresh, vice principal presented in detail about the profile of the department and laid emphasis on the research dynamics culture. Mr. Prakash Kumar, briefed about the job creation sectors in oil and gas industries. Prof Chinniah, HOD/ECE enumerated the professionals role by presenting new ideas on the common platform. In the afternoon session, a talk on 'k-connected networks' was given by Dr. S. K. Srivatsa, the former professor, MIT, Chennai.

On the second day, out of 415 papers received from various engineering colleges and industries, 100 were selected for presentation. While the EEE papers were presented in a session chaired by Dr. L. Premlatha, HOD/ EEE, Anand Institute of Higher Technology, Chennai the ECE papers were presented in the session chaired by Dr. S. Sholaimanohar, Prof, Anand Institute of Higher Technology, Chennai.

Velammal College of Engineering & Technology

Quiz Competition

The IEEE SB organized a quiz competition Q-War'13 on 25th Feb 2013. The competition started with a formal inauguration by the SB counselor Dr. N. Karpagam and felicitation by Dr. A. Shunmugalatha, Professor & HOD/EEE. 112 students from different branches participated in the competition. Questions from the subjects C++, Basic Sciences, General Knowledge, and Reasoning were asked. Rapid Fire Round, Identification of Common Area Round etc., were also conducted by the student coordinators T. Aruljothi (IV EEE) and S. Vaithianathan (III EEE). Winners of the event were presented with cash prizes and certificates by the principal Dr. N. Suresh.

Report by Dr. N. Karpagam

M. P. Nachimuthu M. Jeganathan Engineering College

Inauguration of Student Chapter of "Movement for Green Revolution"

Various events such as the inauguration of Student Chapter of "Movement for Green Revolution" a sign-up of a MoU (Memorandum of Understanding) and a one day workshop on Solar Energy Utilization were on 31st Jan 2013.

In her Presidential address, Tmt. Vasantha Sudhanandhen, the correspondent insisted the emerging engineers to enthusiastically participate in the workshop to develop their multi talents. The Chief Guest, Shri. K. R. Jagadeesh Babu, Trustee, Movement for Green Revolution Inaugurated the Student chapter of Movement for Green Revolution and signed a Memorandum of Understanding (MoU) Further, he had assured of immediate job opportunities to the students who get trained through the MoU. He explained the working and the installation procedure of solar equipments. Also, he highlighted about the numerous job opportunities available in the multinational companies.

D. Sabapathi, esec74@yahoo.co.in

Sengunthar Engineering College

Guest Lecture

The Dept. of EEE and IEEE SB organized a guest lecture on 7th Feb 2013 on "Recent Trends in Solar Energy Conversion" by Prof. S. Albert Alexander, Asst. Prof. (Sr. Grade)/EEE, Kongu Engineering College. In his lecture he stressed the importance of solar energy in view of the pollution caused by conventional energy sources and their impact on global warming. He spoke about the "Power to All" scheme by Govt. of India. He highlighted on technologies in solar energy and the researches that are going in PV module. He concluded his lecture stating that solar energy is green and clean and will meet increasing power demand of our country.

Reported by: Mr. Anbarasan, anbarasan_a@yahoo.co.in

FORM IV

Statement about ownership and other particulars about newspaper (IEEE-MAS LINK) to be published in the first issue every year after the last day of February

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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.

Date: 15.03.2013

Signature of Publisher

National Engineering College

DSP on Cloud Computing

A DSP guest lecture on the topic "Cloud Computing" for the beneficial of the students was organized on 1st February, 2013 with the support of IEEE CS Madras Chapter. The Chief Guest Dr. V. Lakshmi Narasimhan, Professor, Dept. of CSE, East Carolina University, USA explained the basic concepts of cloud computing, listed out the advantages and the role of cloud computing in recent applications. Through his lecture, he made the students to realize the importance of cloud computing and finally he notified the current research and advancements in cloud computing.

The session was interactive throughout and the students clarified their doubts with the speaker. Under the guidance of Dr. Kn. K. S. K. Chochalingam, Director and Dr. P. Subburaj, Principal, Dr. M. Willjuice Iruthayarajan, Mr. S. Vimal and Ms. S.V. Shyamala Gayathri, staff coordinators of IEEE SB, the event took place.

Knowledge Institute of Technology

Guest Lecture

On 19th Jan, a guest lecture on "Benefits & Honors in IEEE" was delivered Mr. Barnabas Muthu, Lead IEEE CS Training Initiative, Software Engineer, Wipro Technologies and Mr.B.Anand, Chairman SB Networking/IEEE R10 SAC India. More than 150 IEEE and Non-IEEE members of 3rd year and 2nd year students were benefited by this lecture and paved the way for many students to join in IEEE. The speakers also enlightened on how to develop the Student Branch, fundable projects and events. Further, they assigned the students with case studies and evaluated. .

ACM Distinguished Lecture

The ACM Distinguished Lecture supported by IEEE Computer Society Madras Chapter was delivered proposed by Dr. Lakshmi Narasimhan (Dr.VLN), Professor, Dept. of Computer Science, East Carolina University, USA on the topic "Cloud

Computing" on 28th Jan 2013. Dr. VLN, in his lecture dealt on the cloud computing-challenges and opportunities, underlying issues in cloud computing and dark side of cloud computing. This talk was an eye opening session and made students to be aware of things they lacked in knowing about cloud computing.

Report by: Sandhiya Ravikumar, msece@kiot.ac.in

IEEE Madras Section Student Network

Microsoft TechDays'13

The TECHDAY by Microsoft was organized on 6th February 2013 at Coimbatore. Application developers, research scholars and students from different colleges participated in the event which was on Windows 8 App Development.

Mr. Joseph Landes, The General Manager - Developer & Platform Evangelist, Microsoft India spoke about the Windows 8 and the other various products of Microsoft. Ms. Saranya Sriram, Technology Specialist in Azure platform spoke about the Microsoft Visual Studio 2012 and demonstrated few simple applications which can run on the Windows 8. Following this Mr. Rajasekharan Vengalil, Technology Evangelist, Microsoft, briefed on various templates provided to the

starters interested in creating apps. He elaborated on the need for analyzing market requirements while developing any software application.

Participants were provided with CDs containing the Microsoft Visual Studio 2012 to help in their application development. Seven students from Jeppiaar Engineering College and two from Sri Muthukumaran Institute of Technology attended this programme.

Report by: Madhuri Pendyala, madhuri.pedyala92@gmail.com

Sathyabama University

FDP on "New Millennial Expectations - Role of a Teacher"

The IEEE SB organized a one day Faculty Development Programme on "New Millennial Expectations -Role of a Teacher on 25th Jan 2013. Mr. P. A. Manoharan, Chairman of RAS, Madras Chapter and Dr. S. S. Rao, Registrar of Sathyabama University has graced the occasion. Besides them, the speakers for the occasion were Mr. Ganesh Natarajan, HR, BEML, Bangalore and Dr. T. Kalaiselvan, Centre for University -Industry Collaboration, Anna University, Chennai.

Dr. G Sundari SB coordinator welcomed the gathering and briefed about the activities of IEEE SB and highlighted the importance of conducting a FDP. Mr. P. A. Manoharan elaborated the benefits of becoming IEEE member and also the various activities of IEEE Madras Section. About 50 participants from various colleges in Tamil Nadu and other states participated in the FDP which had two sessions which were interactive.

P.S.R. Rengasamy College of Engineering for Women

Project Expo'13

The IEEE SB organized the "Project Expo'13" on 2nd Feb 2013 for school students of virudhunagar, Tirunveli and Tuticorin districts. The Chief Guest Dr. S. Ramesh, Professor/EEE, P.S.R.Engineering College, while addressing the gathering, emphasized on the recent projects undertaking in all the Engineering Departments. After the evaluation of the projects developed by students from all the Engineering Depts, they were presented and Prizes were awarded to the best projects.

The function was presided by Thiru. Sundar Ramdoss, Director, P.S.R. Group of Institutions in the presence of Dr. K. Ramasamy, Principal, P.S.R. Rengasamy College of Engineering for women.

Sona College of Technology

Orphanage visit

IEEE & WIE SB as a charitable activity visited an orphanage "Missionaries of Charity"- A home for destitute people and Government Blind School on 10th of Feb 2013 headed by Vyshak Vijayan, IEEE SB Chairman and Lakshmi Teja, WIE SB Chairman.

The members donated generously for this charitable venture. Medicines, play things, water purifier and kettles were distributed. The students interacted with the inmates of orphanage and blind school children. Dr. C. Easwarlal SB councilor and staff coordinators Dr. S. Padma & Mr. M. Paneerselvam supported this noble & charitable service.

E- Day Celebration

E-day was celebrated by the IEEE SB & WIE SB on 20th Feb 2013 with two special lectures. In the first lecture on "Role of Engineers in Entrepreneurship", Prof. M. Sampath Kumar, Head, Entrepreneur Development Cell, Sona College of Technology, explained about entrepreneurship, how to become an entrepreneur and the roles of engineers as entrepreneurs. In the second lecture on "Special Focus in Women Entrepreneurship", Dr. Latha Krishnan, Director, MBA Dept. narrated with examples the success and problems faced by many women entrepreneurs and also highlighted the opportunities available for the women entrepreneurs from various agencies. About 150 IEEE members attended the programme.

National Conference on Innovations in Power Engineering and Soft Computing

The second national conference on "Innovations in Power Engineering and Soft Computing" was organized on 22nd Feb 2013. At the inaugural session, Dr. S. Padma, Professor, SB Coordinator welcomed the gathering and the SB Counselor Dr. C. Easwarlal, HOD/EEE delivered the presidential address. Dr. S. Balamurugan, Asst. Prof., Dept. of EEE, Amrita School of Engineering, Coimbatore delivered a keynote address on "Restructuring of Electrical Power Systems". 50 papers were presented by the PG students and research scholars in the conference in the areas of Power Systems, Power Electronics and Drives, Embedded Systems and VLSI. Certificates were presented to the participants by Dr. C. Easwarlal and the vote of thanks was given by Dr. M. Senthilkumar, Assoc. Prof./EEE.

Student Skill Development Programme on "Soft Computing Tools in Engineering"

The IEEE Madras Section in association with the SB of Sona College of Technology, Salem organized a Student Skill Development Programme (SSDP) on "Soft Computing Tools in Engineering" on 24th and 25th January 2013. This Second SSDP program was attended by 63 students from various colleges and universities all over Tamilnadu.

At the inaugural session, Dr. S. Padma, prof. EE welcomed the gathering and Dr. C. Easwarlal, SB counselor and HoD/EEE delivered the presidential address. Following this, Dr. N. Kumarappan, IEEE MS EAC & Excom Member delivered the inaugural address.

During the SSDP, technical lectures were delivered by the eminent resource persons such as Dr.N.Kumarappan, Prof. of EE., Annamalai Univ.; Er. S. Anbazhagan, Asst. Prof. of EE, Annamalai Univ.; Er. M. Venkatesh Kumar, Asst. Prof. of EE, Saveetha Univ. The topics covered included: Artificial Neural Network – Introduction and BPN, Fuzzy Logic, Load Frequency Control-Simulation, Hybrid Intelligence Approach. The participants were also given hands-on training in all topics covered. The program ended with a valedictory function in which, certificates were presented to the participants.

Report by: Dr. N. Kumarappan , kumarappan_n@hotmail.com

PSNA College of Engineering and Technology

ICPEC 2013

The 1st International conference on power energy and control ICPEC 2013 was organized during 6th to 8th of Feb 2013. At the inaugural on 6th, Dr. Lalit Kumar Goel Professor, Nanyang Technological University Singapore was the chief guest and delivered his valuable address on "Scope of Futuristic Energy". Dr. Joachim HOLTZ, Professor, Wuppertal University, Germany who was the guest of honour, later presented a talk on "Medium Voltage Drives "at the plenary session explaining the reasons why multilevel inverters are preferred topologies for medium voltage applications.

The inaugural function was decked with the presence of Mr. T. S. Rengarajan Chairman IEEE Madras Section, Mr. K. V. Rupchand Chairman Power and Energy Society Madras Chapter, Dr. D. P. Kothari, Director General, J. P. Group of Institutions Hyderabad and Dr. R. S. K. Lakshamana Prabu and Mr. R. S. K. Sugumaran, Directors of the PSNA CET.

In the afternoon, Dr. Gopichand Bopparaju, Manager Grid Systems, Research & Develpement, ABB, Chennai introduced the concept of Voltage Source Converter based HVDC transmission, an alternative technology for power transmission and narrated the advantages of it over conventional HVDC transmission.

The technical session on "*Solar photovoltaic devices and systems*" focused on how to exploit the ample quantity of freely available solar power for the generation of electricity and discussed various issues associated with them.

Parallel tracks on "Power Generation, Transmission and Distribution" and "Flexible AC Transmission Systems" addressed on issues those warrant the proper design and placement of FACTS devices for reactive power compensation, line outage contingency, Critical Loading Margin Enhancement, Power System Dynamics, Loadability Improvement in Wind Integrated Power System etc.

The conf. had the following plenary talks.

- Dr. M. Chidambaram, Professor of IIT Madras, Chennai on "Model Identification and Control of Multivariable Systems".
- Dr. Lalit Kumar Goel, Professor, NTU, Singapore on "Power System Reliability and Cost/Benefit Assessment".
- Dr. D.P. Kothari, a well known personality, with more than 700 publications and 27 books, on "Energy & Environmental Problems Facing the Third World countries and their probable solutions".

The paper presentation sessions had topics those included Renewable Energy, Storage Devices and Systems, Smart Grids, Distributed Generation, Wind Energy Conversion Systems, Power Quality and Power System Reliability. Storage Systems.

Dr. Joachim HOLTZ of Wuppertal University, Germany and Dr. M. Chidambaram of IIT Madras participated in the valedictory function and delivered the addresses. Dr. M. Madeshwaran, Chairman, IEEE India Electron Devices Society felicitated. Dr. K. Mahadevan, Professor, Dept. of EEE, PSNACET presented the summary of the three days conference. Dr. V. Rajasekaran Prof. & HOD/EEE proposed the vote of thanks.

Report by: M. Kaliamoorthy, kaliasgoldmedal@ieee.org

Student Skill Development Program

The IEEE Control System Society in association with MIT and BSNL conducted a one day Student Development Program on "Get wired to the wireless world" for the benefit of under graduate engineering students, on 6th Feb 2013 at MIT, Chromepet.

The lectures included the following:

1. Evolution of Wireless Communication by Shri. A. Vetrivel, SDE/RGMTTC
2. 4G by Smt. P. G. Viswa Bharathi, JTO/ RGMTTC
3. Telecom Diet Rich in Fibre by Shri. T. Senthilkumar, JTO/RGMTTC
4. Useful tips to do project work by Dr. T. Thyagarajan, Prof/IE, MIT
5. Introduction to Wireless Sensor Networks by Dr. Sabitha Ramakrishnan, AP/IE, MIT
6. Demo on Broadband by Shri. Aravind Kannan, JTO/RGMTTC

Around 330 engineering students from various parts of Tamilnadu, Pondicherry and Andhra Pradesh participated in the workshop and stated in the feedback that lectures were very relevant and useful to them. The program ended with distribution certificates for all the participants.

Dr. T. Thyagarajan, Chairman IEEE Control Systems Society and Dr. Sabitha Ramkrishnan EC member of IEEE Madras Section coordinated the program. Dr. S. Shanmugavel, Professor, ECE and Former Registrar, AU was the chief guest for the inaugural function and delivered an overview of Wireless Networks. Dr. S. Thamarai Selvi, Dean, MIT presided over the function and Mr. R. Babu Srinivasa Kumar, DGM, BSNL was the guest of honour. Special guests include the Mr Major Chandrasekaran, Secretary, IEEE MAS and Dr. Hari, Secretary, IEEE-CSS.

Report by: Dr Sabitha Ramakrishnan

Sri Krishna College of Engineering and Technology

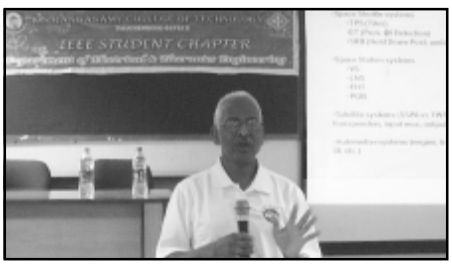
Seminar on "Research Focus on Next Generation Wireless Networks"

The Society of Electrical and Electronics Engineering and IEEE SB had jointly organized a one day seminar on "Research Focus on Next Generation Wireless Networks" on 18th Dec 2012. Dr. L. Sivakumar, Vice principal, presided over the function and delivered presidential address. Dr. H. Mangalam, HOD/ECE delivered the inaugural address. The chief guest of the day, Mr. Gandhiraj, Associate Professor, Amirtha School of Engineering, Coimbatore shared his rich experience in the field of reconfigurable networks. The seminar sessions were attended by 144 participants from various colleges. In the valedictory session, Dr. S. Sophia, Professor distributed the certificates to the participants. Mr. Nandalal, Asst. Prof./ECE and the coordinator of the seminar proposed the vote of thanks.

Report by: Mr. Nandalal, nandalal@skcet.ac.in

K. S. Rangasamy College of Technology

Talk on "Applications of Reliability Engineering"



The IEEE SB organized a seminar on "Applications of Reliability Engineering" by Dr. J. Natesan, Integral Risk Manager, NASA, Washington DC, USA on 31st Jan 2013.

Dr. S. Thangavel welcomed and introduced the Chief Guest Dr. J. Natesan who in his talk described about the Reliability Engineering and explained about the different types of analysis with case studies and examples of applications. The talk was attended by faculty members and students.

Report by: C.Rajasekaran, raja7ksrct@gmail.com

Skill Development programme on "Artificial Intelligence Methods in Engineering" March 27-28, 2013 at M P Nachimuthu M Jaganathan Engineering College, Chennimalai, Erode. Contact: Dr. N. Kumarappan at kumarappan_n@hotmail.com or Prof. D. Sabapathi at esec74@yahoo.co.in or Section Office at ieeemas@airtelmail.in / ieeemas@gmail.com

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Chairs of Society Chapters and Affinity Groups for the year 2013

Society / Affinity Group	Chairperson	Email	Telephone
Computer (CS)	H.R. Mohan	hrmohan.ieee@gmail.com	98414 32179
Communications (COMSOC)	N.R. Alamelu	principal@avit.ac.in	98413 53400
Engg in Medicine and Biology (EMB)	B. Santhanaraj	bsrindia@yahoo.com	94440 06361
Industrial Applications (IAS)	S. Rajavel	srv@lntecc.com	044 - 2252 6305 (O)
Microwave Theory Techniques (MTT)	S. Salivahanan	salivahanans@hotmail.com	94441 89433
Power Electronics (PEL)	R. Chellappan	r.chellappan@numericups.com	044 - 24679601 (O)
Power & Energy (PES)	K.V. Rupchand	kvrupchand38@gmail.com	94440 10339
Product Safety Engg (PSE)	V.V. Chandrasekaran	majorchander@yahoo.com	98410 14969
Professional Communication (PCS)	H.R. Mohan	hrmohan.ieee@gmail.com	98414 32179
Robotics & Automation (RAS)	P.A. Manoharan	pamanoharan@hotmail.com	94441 13736
Technology Mgmt Council (TMC)	K.V. Rupchand	kvrupchand@dataone.in	94440 10339
Control Systems (CSS)	Dr. T. Thyagarajan	thyagu_vel@yahoo.co.in	94441 04850
Aerospace and Electronic Systems (AES)	Prof. Dr. A. Nagappan	nags_slm@yahoo.com	93621 21432
Electron Device (ED)	Dr. N. Mohan Kumar	nmkskpec@gmail.com	99525 68182
Graduates Of Last Decade (GOLD)	A.Darwin Jose Raju	darwinraju@ieee.org	98437 76224
Women In Engg (WIE)	M. Ramalatha	ramalatha_marimuthu@yahoo.com	94438 56444
Podhigai Subsection & SIPCICOM	N. Krishnan	krishnan@computer.org	94431 17397

Editorial Team

Mr. H.R. Mohan, Mr. T.S. Rangarajan,
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FROM

IEEE MADRAS SECTION

Room No. 3, ISTE Professional Centre
Gandhi Mandapam Road
Chennai 600 025
Tel : +91 44 2442 3939 Cell : 93823 28776
Fax : +91 44 2442 3939
Email : ieeemas@airtelmail.in, ieeemas@gmail.com
ieeemaslink@gmail.com

TO

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