

Chairman's Message

T.S. Rangarajan

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Dear Members

The scheme for providing financial support for travel to an international conference venue for paper presentations or demonstrations, approved by your executive committee and announced through an eNotice in the third week of July '12, has found enormous support from all members, going by the number of emails commending us for this scheme, that, I received. We are overwhelmed by that.

The month gone by saw several new student branch, society chapter, affinity group petitions approved, and several membership renewals, indicating enhanced interest in IEEE and increased appreciation of the benefits of being part of the largest professional association in the world. Several institutions have already organized and are also in the midst of organizing conferences technically supported by your section.

While participating in some of these conferences I also noticed increased awareness of the plagiarism problem, with people using different software tools and also asking authors to sign an undertaking to take full responsibility for plagiarism. Although the IEEE IPR office has referred two new plagiarism cases to us a couple of weeks ago, these are for papers published few years ago. Your section is ready to help you overcome this problem as it seriously damages the credibility of the institution and India as a whole.

I would not be doing justice if I do not mention the wonderful work being done by student members of IEEE Madras Section. The IEEE GINI, IEEE GOLD, IEEE CS chapter, IEEE PCS chapter and particularly the student members teamed up to organize a 3 day Skills Development Program on Drupal CMS at VIT, Chennai which was oversubscribed within a short period of announcement. There is plenty of demand for a repeat of this program for which the team is working out the logistics. Since the new IEEE Madras Section website is on Drupal 7.0, we are hoping that at least a few of the freshly trained student members will volunteer to help on enhancing and managing the website to enable more engagement and interaction among Madras Section members.

Finally I would like congratulate all the members who successfully submitted proposals to Region 10 for funding projects and activities. For those who were unable to get funding, there is always better luck next time.

Yours voluntarily
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From The Editor's Desk

H.R. Mohan

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Dear Friends,

Our chairman, in his message has briefed about the new initiative of the Section — scheme for providing financial support for international travel. The section provides support to the extent of Rs. 10,000 if the applicant is a member of IEEE for a min. period of two years and whose paper is accepted for oral presentation in an international conf. or his / her entry has been accepted for demonstration in an international competition. For the detailed guidelines, pl. visit <http://bit.ly/QcV3z0>

LINK congratulates Dr. M. Ramalatha, Chair, WIE, IEEE Madras Section, for being awarded the prestigious Anita Borg Change Agent Award for the year 2012 and Dr. V. Yegnanarayanan, Sr. Professor, Dept. of Mathematics, Velammal Engineering College for being elevated as a Senior Member of IEEE.

The extended membership for 16 months will be available for those who join IEEE from 16th Aug 2012. Also, IEEE CS offers combined membership in IEEE, IEEE CS and access to IEEE CS digital library for the students. We request the members to urge their friends and contacts to avail these facilities and become members of IEEE enjoy the benefits.

In this issue, we have published the reports on events organized by the following institutions: Easwari Engineering College, M. Kumarasamy College of Engineering, Sengunthar Engineering College, Kongu Engineering College, Velammal College of Engineering & Technology, Aarupadai Veedu Institute of Technology, Jayaram College of Engineering & Technology, SRM University, Sri Muthukumar Institute of Technology, Knowledge Institute of Technology, National Engineering College, Sona College of technology, Jeppiaar Engineering College, Asan Memmorial College of Engineering & Technology.

The other items published in the LINK include: Report on the IEEE COMSOC Distinguished Lecture, Report on the "Drupal Training Programme", Report on the Presentation on "Personality Profiling Using Transactional Analysis", and a short article "Micro sensor on a single chip"

We draw the attention of the readers to the Technical Workshop on "SMART GRID" being held on 25th & 26th Aug at Anna University Alumni Centre. For participation, pl. get in touch with the Section office at ieeemas@airtelmail.in

With the opening of the institutions in mid Jul 2012, we expect a large no. of activities at our student branches in the months to come. We encourage them to use the IEEE Madras Section CMS based web portal for both publicity and reporting on the events.

Easwari Engineering College

Awareness and orientation program



An awareness and orientation program on IEEE was arranged for the benefit of the 2nd year students on 1st August 2012. IEEE president of our SB, K. Madhuri, Chairman, SB and Coordinator for Industrial collaboration, GINI made presentation on the benefits of IEEE and the importance of being an IEEE member. The session was attended by 120 students. SB counselor Mrs. Saraswathy Janaki and Mrs. D.Vydeki, staff coordinator also participated.

Inauguration of Activities for 2012-13



A grand inaugural function for the chapter activities for the academic year 2012-13 was held on 1st Aug 2012. Mr. J. Premachandran, Centre Head, L&T Infotech Chennai was the chief guest and Mr. A. C. Ashok, Strategic Resourcing Group, Corporate Human Resources, L&T Infotech was the guest of honour at the occasion and inaugurated the activities in the

presence of HOD/ ECE & SB counsellor, Mrs. Saraswathy Janaki. Mrs. D. Vydeki, staff coordinator then introduced the OBs of the SB

for the year 2012-13. The annual report for the year 2011-12 was presented by the DB chairman. This inaugural function also helped introduce many members to the IEEE chapter and played an important role in increasing the membership.

*Report by: S.V. Charanya,
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M. Kumarasamy College of Engineering

Inauguration of COMSOC SB activities and a guest lecture

IEEE COMSOC SB organized its inaugural function and an informative guest lecture on “Embedded Project Development” on 20th July, 2012. Mr. A. Athif Shah, Director/ Founder, ABE Semiconductor Designs, Chennai was the guest of honour. Prof. V. Kavitha, HOD/ECE, IEEE Mentor and Prof. K. Sundararaju, HOD/EEE, IEEE SB Counselor and the Staff Coordinators Mrs. V. Nirmala, LECT/ECE and Mr. G. Shanmugavadivel, LECT/ECE participated at the inaugural session. Mr. A. Athif Shah, in his presentation explained



the importance of embedded systems in various fields and provided an overview on the real-time applications of the embedded systems. He also enlightened on how to develop a project and stressed on the significance of the software skills for the development of an embedded project. He highlighted on the scope of this field

and motivated many students to do projects. The programme was concluded with the vote of thanks from Mr. R. Srinivasa Prasanth, member of IEEE COMSOC.

*Report by: Ms. S. M. Bhuvani,
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Guest lecture

A guest lecture for the benefit of the pre-final year electrical and electronics engineering and electronics and communication engineering students on the topic “Soft Computing Techniques and Applications” was organised on 27th Jul 2012. The speaker, Dr. U. S. Raghupathi is an eminent personality who had conducted lecture in various top ranking colleges in various states. About 250 students attended this lecture. After the welcome address by Mr. R. Kannan, SB Chairman, Ms. Revathi, final year ECE introduced the speaker. Prof. V. Kavitha, HOD/ECE, Prof. V. Thilagamani, HOD/IT and SB coordinator Prof. K. Sundararaju were present at the programme.



The speaker introduced Matlab as a vast area and puzzling wonder of the technology, where no one can easily find its depth. He added that Matlab today plays a vital role in all the engineering fields. The speaker, then explained about fuzzy logic and neural networks. After the lecture, in

the interaction session with the students, doubts were cleared so that the understanding about various new concepts was clear. At the end, Mr. T. Karthick, SB Treasurer, thanked the speaker and the coordinator for the programme.

Report by: R. Kannan

Sengunthar Engineering College

SB activities inauguration and a special lecture

The inaugural function of IEEE SB activities for 2012-13 and a special lecture on “Advancement and opportunities for Electrical Engineers” were held on 28th July 2012. At the inaugural function P. Kalaichezhian, IEEE

Association President welcomed the gathering. Mr. A. Anbarasan HOD/EEE introduced the office bears. Presidential address was delivered by Thiru. M. Balusamy, President and Thiru. S. Sivananthan Secretary, Er. R. Mohanraj Correspondent, Dr. A.T.Ravichandran Principal offered their felicitations. Ms. Radhika, Sourcing Lead, Global Sourcing UST Global, Chennai delivered the inaugural address and delivered special lecture on “Advancement and opportunities for Electrical Engineers”. W. Vijay Richard, IEEE SB Chairman delivered the vote of thanks.

Report by : Mr.Anbarasan,
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Kongu Engineering College

Inauguration of the IEEE SB & WIE activities



The inaugural function of the IEEE SB & WIE activities was organized on 6th July 2012. Prof. K. Narayanan, Staff coordinator welcomed the gathering. And advised the IEEE members to be socially relevant, responsible, energy conserving and come up with innovative ideas. After the introduction of the OBs by Mrs. V. R. Saraswathy, Staff coordinator, the year plan for IEEE & WIE were proposed by Mr. N. GokulSankar, Chairman – IEEE SB and Ms. K. G. Preethi, Chairperson – WIE. Mr. Prashant R. Nair, Execom Member of IEEE Madras Section was the chief guest at the function. In his inspirational speech, suggested us to try for various awards that are given by IEEE HQ, threw light on the present competitions that students will have to face while completing their course. At the formal vote of thanks by the treasurer, Mr. Srinath, presentation of a memento was given to the chief guest.

INVOKE'2012

INVOKE'2012, a one day function of non-technical events was organized on 21st Jul 2012. This event was a bundled surprise of fun and energetic enthusiasm. The events conducted



in INVOKE were invoking knowledge at the same time provided a tough platform for our students to expose their talent. The day was started with the event of Turn-Coat in which the presence of mind was the basic need to participate, so the students participated eagerly in the event followed by which the event of Best Manager was conducted which was the test for the student's ability of marketing the given products. After a small refreshment the event of Mr & Ms. INVOKE was conducted in which many rounds were included the final round was the multi-tasking of three different tasks like throwing a ball into a box at the same time have to answer the questions thrown to the participant simultaneously have to recollect the pictures displayed. Consummately the INVOKE'12 was a blowout for the creative and active minds of our college.

FERRET '12



“FERRET-12”, an Inter-departmental function organized on 3rd Aug 2012 was a hang-on package of talents, enthusiasm, enlightenment, evolution, fun and spirit. The function was declared open by Mrs. V. R. Saraswathy, staff coordinator. The events included are: Quiz — a test to the student's spontaneity, general knowledge, and shrewdness, Visual Hunt — which had various rounds like Storytelling, Audio Visual round, Identifying ads etc., Treasure Hunt based on questions for which the answers to be found anywhere in the college campus, Debate – on “Western Culture in India is Good or Not?”; and Lingua Franca — which manifested the spontaneity and the ability to blend communication skills with humor with various rounds like Spell Bee, Just a Minute, Hot n Cold. There were few spot events which enhanced the management and strategic planning skills of students and gave a good finish to the function. On the whole, “FERRET-12” was a one day fun-feast and an innovative platform for the students to excel in every ground.

LINK congratulates Dr. V. Yegnanarayanan, Sr. Professor, Dept. of Maths, Velammal Engineering College for being elevated as a Senior Member of IEEE.

Velammal College of Engineering & Technology

IEEE Paper presentation contest

A paper presentation contest titled 'Innovations in engineering applications' was organized on 27th July 2012. After the welcome address by Dr. N. Karpagam, IEEE SB counselor, the chief guest Dr. S. Janakimeena, Professor/CSE portrayed the importance of paper presentation techniques and inaugurated the contest. Nearly 20 papers were presented by different engineering branch students. Presentations based on titles including artificial vision, MEMS in biosensors, smart grid methodologies, micro fluidic devices were presented. Dr. A. Shunmugalatha, HOD/EEE

and the chief guest selected 3 best papers and distributed cash prize awards.

One day workshop on MATLAB/SIMULINK

On 28th July 2012, one day workshop on MATLAB/SIMULINK was conducted by IEEE SB. Dr. A. Shunmugalatha, HOD/EEE welcomed the participants. Dr. N. Karpagam was the resource person and explained about the importance of MATLAB and its commands. She also explained programming methodologies, application of MATLAB/SIMULINK to different applications and gave a hands-on training to the students. Nearly 100 students



participated in the workshop. Certificates were distributed at the end of the session.

Report by: Dr. N. Karpagam

Aarupadai Veedu Institute of Technology

Seminar on Career Planning & Higher Education

IEEE CS Branch Chapter - AVIT and Association of IT Engineers, Dept of IT, AVIT organized a seminar on "Career Planning & Higher Education" on 3rd July 2012. Mr. H. Abdul Navas, Assistant Manager, TIME, Chennai was the guest and he had briefed the participants on



the importance of career planning opportunities and created the awareness about the sponsorship for higher education. While Mrs. Kalavathy, Vice-Principal, delivered the presidential Address, Dr. A. Anthony Irudhayaraj Dean (IT), Advisor, IEEE CS Branch Chapter welcomed the gathering. Faculty members and students from the Department of IT participated and benefited from this seminar. Mr. C. Karthikeyan HoD/DIT delivered the Vote of Thanks.

Jayaram College of Engineering and Technology

Inauguration of SB Activities



The IEEE SB activities for the year 2012-13, were inaugurated on 26th July 2012. College chairman Er. M. Subramanian and the chief guest Mr. Anil Kanshik, Scientist-E, Ministry of IT, Govt., of India participated in the event. Dr. N. Kannan, principal, welcomed the gathering and introduced the chief guest. In his presidential address, Er. M. Subramanian, spoke about engineering, why we are selecting engineering courses, importance of the communication in the student level and then advised that the

students must have to do vibrant activities in this society. The chief guest, gave a broad talk in which emphasized that IEEE will be the right platform for the students for their well development in the future and had also presented the benefits of IEEE and concluded with professional ethics for engineers. The vote of thanks was given by the student member and chair person Mr. A. Prasanna. This programme was organized by branch mentor and principal Dr. N. Kannan and IEEE counselor Dr. A. Sahayaa Arul Mary, Dean Academic, Dept. of CSE.

SRM University COMSOC

Guest Lecture



In view of the importance of Digital Signal Processing (DSP) for Telecommunication applications, the Dept of Telecommunication

Engg & IEEE COMSOC organized a guest lecture by Mr. Jaganmohan Somakanthan, DGM, ERS - DCS - Aerospace, HCL Technologies, Chennai on "Digital Communication – DSP The Enabler" on 27th July 2012. Faculty and Students of the department attended the lecture. Dr. T. Rama Rao, Professor & HOD welcomed the gathering. The lecture was about Communications to the Space craft, DSP architecture for Mobile and Gateways, Single core to Multicore DSP, VoIP Network, Handset Infrastructure, Architecture and the Challenges involved.

Report by: Dr.T. Rama Rao

Section Membership as on 15th August 2012

Life Fellow	-	2
Fellow	-	2
Life Senior	-	7
Senior Member	-	108
Life Member	-	4
Member	-	2005
Associate	-	127
Affiliate	-	25
Graduate Student Member	-	817
Student Member	-	7389
Total	-	10486

IEEE Drupal Training Programme



IEEE GINI Madras Section, IEEE GOLD in association with the IEEE Madras Section, IEEE Computer Society, IEEE Professional Communications Society and Chennai Drupal Community organized a two day hands-on training programme on Drupal, an open source content management system at VIT University, Chennai Campus on 21st & 22nd Jul 2012.

The training programme was inaugurated by the Pro-Vice Chancellor of VIT University, Dr. Anand Samuel along with Mr. T. S. Rangarajan – Chairman, IEEE Madras Section, Mr. H. R. Mohan – Chairman, IEEE CS & PCS, Madras Section, Mr. Prasanna Venkatesan, Member of EAB and IEEE CS MDC, Mrs. Shyamala Rajaram, Head, Drupal Competency Centre, Unimity Solutions and Mr. Barnabas Muthu – Coordinator, Developer Community Initiative, IEEE Madras.

Mr. Rohit, Chairman, IEEE SB, VIT Chennai, welcomed the gathering. Dr. Anand Samuel in his presidential address mentioned about the need for different approach to education for the Gen Y Students of this century. Mr. TS Rangarajan in his address emphasized the need for similar Skills Development Programmes for IEEE Student Members. Mr. HR Mohan in his special address highlighted on how digital communication and

information delivery has grown over years and the need for such content management systems to dissemination of information across the world. Mr. Prasanna Venkatesan in his special address mentioned on how IEEE is impacting the career of students through such quality training initiatives.

The training programme titled “IEEE Drupal Training Program – Rule the Web with Creativity”, conducted by nine trainers was attended by 123 participants of which 54 were members of IEEE and 69 were non-members who have shown interest to become members of IEEE.

Course Curriculum and Proceedings: The Chennai Drupal Community under the leadership of Mrs. Shyamala planned the course curriculum. The day1 sessions comprised of: brief introduction on the training; LAMP Stack; Drupal (which was explained from the scratch on Installing Drupal, Virtualhost, settings.php, files, clean URL, mod rewrite); Drupal Architecture; and a quiz to reinforce the learning. The day2 sessions included: PHP basics (loops, conditional statements, function, etc.); Drupal module development (for eg. Hello World, showing welcome message on user login, simple database CURD example, etc.) and theme development / customization; a presentation on languages that make Drupal SQL, HTML, JavaScript, jQuery, CSS; Community & career



opportunities and a quiz which helped the trainers analyse the participants’ learning. Learning materials were provided on a CD.

Project Assignment and MCQ: The participants were assigned with a project to apply their knowledge in practice. They will present their projects on the 25th of Aug which will be evaluated by Drupal experts from the industry. The participants will also appear for an online MCQ test on Drupal. Top 10 scorers, based on the project and MCQ evaluation will be presented with a Merit Certificate while all the participants who submit the projects will receive a participation certificate. The projects assigned are available at <http://goo.gl/iOIHd>

The two days of training programme proved to be very beneficial to the participants and it had enhanced their creativity and enabled them to implement it using a platform. We had an excellent feedback.

IEEE CS still continues to receive a lot of requests for training programmes similar to this in cutting edge technologies like Android, Apps Development etc., It is proposed to run one more training programme on Drupal in Sep 2012 for students and young IT & working professionals.

IEEE appreciates all the volunteers of IEEE GINI Madras Section for their efforts in the successful organization of the event.

Report by: Barnabas Muthu & Apoorna P Naidu

Sri Muthukumaran Institute of Technology

Membership Drive



A Membership Drive for the 2nd year students of EEE, ECE and CSE Departments was conducted on 10th July 2012. The programme started with Sarath Kumar (IV Yr EEE) Chairman, explain about IEEE and its values. Then, Pradeep (III EEE) Joint Secretary briefed about IEEE and its importance by sharing

his personal experience. Balaji (III Yr ECE) and Pragadish (III Yr EEE) Vice Chairman, then shared their views and the benefits of IEEE and Suraj Jain (III Yr ECE) and Prasanth(III Yr CSE) spoke about the industrial visits to ISRO and NLC, organized by IEEE MAS GINI. Jeno Helcy (IV Yr EEE) WIE Chair briefed about WIE and stressed the importance of women participation in IEEE. To make things more interesting a Spell Bee competition was also conducted testing the vocabulary skills of the young minds. Later Jaya Prakash (IV EEE) Secretary, concluded with an overview of IEEE and the active societies of IEEE in our SB.

Report by: Pradeep, pradeepgangaraju@ieee.org

Congratulations



LINK congratulates Dr. M. Ramalatha, Chair, WIE, IEEE Madras Section, for being awarded the prestigious Anita Borg Change Agent Award for the year 2012.

LINK congratulates the Madras Section IEEE WIE & Jeppiaar Engineering College SB WIE for having their proposals titled “Green Technology Entrepreneurial Model for Tribal development” and “Interact, Innovate & Inspire” been selected for the grant of USD 230 & 270 respectively.

IEEE COMSOC Distinguished Lecture



IEEE Communications Society Madras Chapter hosted the IEEE COMSOC Distinguished Lecture by Dr. Xavier Feranando, Professor and Multimedia Stream Coordinator, Ryerson University, Toronto, Canada. This lecture was on “Radio Over Fiber for Wireless Communications” and held at the Alumni Hall, CEG, Guindy on July 12, 2012.

The speaker explained how optical fiber based wireless (Fi-Wi) access using radio-over-fiber (ROF) concept combines the flexibility of wireless with the capacity and reliability of fiber. He also dealt on how the Micro/Pico cellular architecture provides better frequency reuse, coverage and helps reducing the power consumption and size of the portable units. He

further, explained how with the the multiplexing capacity of fiber, there is a potential to use existing fiber for ROF systems, with additional wavelengths. The applications in special areas like tunnels and mines were explained upon. The technical challenges that need to be addressed before widespread deployment of ROF networks such as nonlinear distortion, cumulating noise and power loss due to electrical-optical-electrical conversion were analyzed.

The lecture gave an overview covering advantages of ROF systems as well as issues and the future directions. The lecture was followed by interaction between the speaker and the audience. Mr. P. Subramanian, Secretary, IEEE COMSOC Madras Chapter welcomed the gathering and introduced the speaker. Mr. HR Mohan, Vice Chair, IEEE COMSOC Madras Chapter presented a memento to the speaker on behalf of IEEE COMSOC.

Micro sensor on a single chip

Mr. V. P. Sampath

Consultant, Ram Innovation Labs, Chennai
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Micro sensor applications in consumer electronics are experiencing the strongest market growth. The Motion Sensor will measure your velocity as you move in a straight line at different speeds. The acceleration it senses depends on how it's positioned.



Fig1. 3axis magnetometer

The orientation of a vehicle in three-dimensional space is one of the most significant pieces of information required for the navigation, guidance and control of that vehicle. Automotive applications, such as safety and stability control and various comfort systems will also remain an important application field.

The algorithm in this session enables an Attitude and Heading Reference System device using a three-axis angular rate sensor, a three-axis accelerometer, and a three-axis magnetometer. A data fusion algorithm using the

second-order complementary filter to estimate the roll and pitch angles is introduced. This algorithm fuses the data measured from the gyroscope and accelerometer triads to obtain the estimated roll and pitch angles. An accelerometer is a device that measures the proper acceleration of the device.

Sensors exist to determine positioning of objects including accelerometers, magnetic field sensors, radar and mercury based systems. Instead of the three axes people sense, the accelerometer senses acceleration on two axes. The acceleration it senses depends on how it's positioned. By holding it one way, it can sense forward/backward and left/right.

The factory calibration characterizes each sensor for sensitivity, bias, alignment, and linear acceleration (gyroscope bias). As a result, each sensor has its own dynamic compensation for correction formulas that provide accurate sensor measurements over a temperature range of -40°C to $+85^{\circ}\text{C}$.

The magnetometers employ a self-correction function to provide accurate bias performance over temperature, as well. A non-intrusive device for measuring steering wheel position in a car is also applicable for wearable computing.

The Motion Sensor will measure your velocity as you move in a straight line at different speeds. Many applications use

methods and systems for position determination, e.g. of a geodetic instrument, a vehicle or the like, which are based on global positioning systems, such as, for example, GPS, GLONASS or the European Galileo system. These Global Navigation Satellite Systems (GNSS) are based on the reception of satellite signals.

The Program will plot your motion on a graph of velocity and time. The challenge in this activity is to move in such a way that a plot of your motion on the same graph will “match” the line that is already there. By holding it one way, it can sense forward/backward and left/right. It can output the translation and rotation of the body for the purpose of motion tracking and dead reckoning applications. It mitigates error accumulation and drift problems using domain knowledge including pause identification and geometric constraints on the two nodes.

The FPGA will be used to process the data gathered from the sensor chips to determine the positioning. This data will need to be integrated with respect to time in order to solve for the angle. Verilog is used to program the FPGA board and use the ports provided on the evaluation board for all communication between the FPGA and other components.

The development of new sensing hardware that integrates with the location-based services, enhanced motion-based gaming, pedestrian dead-reckoning for indoor and multi-floor navigation, robotics or human-body tracking.

Knowledge Institute of Technology

IEEE Beginners Meet

In the “Beginners meet” organized on 19th Jul 2012, Dr. N. Santhiyakumari, SB counselor detailed out the activities for the year 2011-2012 and appreciated the students for their active participation. Prof. K. Rajesh, SB in-charge highlighted the benefits of IEEE to the new members and added on the various awards providing under Region 10. The OBs of the SB for the year 2012-2013, namely Mr. K. Vivek, Ms. S. Mathiyarasi, Ms. R. Karthika, Mr. R. Perumal and Mr. R. Gowtham Kumar were inducted as Chairman, Vice Chairman, Secretary, Joint Secretary and Treasurer respectively. OBs then discussed about the forthcoming activities in the organization with IEEE members.

Workshop on “Core Company Requirements for Signal Processing Domain – Real time Projects in DSP”



The Dept. of ECE in association with the SB organized a one day workshop on “Core Company Requirements for Signal Processing Domain – Real time Projects in DSP” on 28th

July 2012. Mr. P. Chinnadurai, Senior Project Leader, Jasmin InfoTech Pvt. Ltd shared his views on “Audio Application using DSP”. The workshop was formally inaugurated by Dr. N. Santhiyakumari, SB counselor. Prof. M. Thangavel discussed about the importance of the core company and motivated the students to do Project in Core Company. The speaker started the session with the basic concepts of Digital Signal Processing which is an emerging trend today. Then he discussed about the various algorithms to solve the real time problems in Digital Signal Processing. Pre-final year and final year Students of ECE participated and made the session more interactive by raising their doubts.

Reports by: Ms.K.Kavipriya, msece@kiot.ac.in

National Engineering College

Inauguration of SB Activities for 2012-13

The inaugural function of IEEE SB activities for the academic year 2012-13 was held on August 2nd, 2012. K. R. Arunachalam Member, Managing Committee, presided over the function in the presence of Dr. Kn. K. S. K. Chockalingam, Director and Dr. P. Subburaj, Principal. Dr. P. Venkatesh, Prof/EEE, Thiagarajar college of Engineering Madurai was the chief guest. M. L. Padmesh, SB Vice President welcomed the gathering. V. S. Aswathy, SB Treasurer introduced the chief guest. R. Shylin Babu, SB President introduced the office bearers and briefed about the upcoming events for the academic year 2011-12. The chief guest Dr P. Venkatesh, in



his address praised the college for the encouragement and support over IEEE SB and also highlighted various opportunities and grants which are funded by IEEE for student activities. Staff coordinators Dr. Willjuice Iruthayarajan,

Mr. Vimal and Ms. Shyamala Gayathri and students had made the arrangements for this function. Finally the function ended up with the vote of thanks from Mr. Ramsunder, SB Secretary.

Report by: Dr. M. Willjuice Iruthayarajan

Asan Memorial College of Engineering and Technology

An Insight on IEEE 2012



A programme on “INSIGHT ON IEEE” was conducted on 7th Aug 2012 to bring

an awareness on IEEE to about 300 students from various departments. The speaker Mr. Nivas Ravichandran, Chennai HUB leader, GINI Madras Section highlighted the benefits of being an IEEEian, spectrum, digital library, about the IEEE papers and also dealt with the IEEE organization details, geographical popularity, the benefits, awards, membership details and how to become a member and a training session on how to run a student branch.

Report By: Uthrapriya Sureshabu, uthra92@gmail.com

Jeppiaar Engineering College

Talk on Women Empowerment

A lecture on ‘Women Empowerment’ was organized on 25th July 2012. The speaker, Dr. Rajasekara Kumar Vadapoo, when started the session with a provoking question “Are women

really empowered?”, the audience interacted actively by voicing their views. He then provided startling facts on the participation of women in various domains, emphasizing the need for women empowerment. He supplemented the lecture by giving his personal experiences as well.

Report By: Arputha Rini, arputharini@gmail.com

Sona College of Technology

Lecture for school teachers



For the benefit of school teachers, a lecture on “Energy Management and Conservation” by IEEE SB coordinator, Dr. S. Padma, Professor, EEE Dept was organized on 28th Jul 2012. Around 60 school teachers from various schools around Salem participated and benefited from the programme.

Presentation on “Personality Profiling Using Transactional Analysis Model”



The IEEE Madras Section along with IEEE CS, IEEE PCS, CSI Chennai and IITMAA Chennai had organized a presentation on “Personality Profiling Using Transactional Analysis Model” by Mr. P. Vijayan, Corporate Trainer in Organizational Change, Personal Improvement, Transactional Analysis (TA) & Neuro Linguistic Programming (NLP) on 6th Aug 2012.

Mr. H.R. Mohan, chairman, IEEE CS welcomed the gathering of over 80 participants and said that this meeting was organized with the aim to make one understand the behavioral patterns which will help in having a better work-life balance. Mr. A. Chandrasekaran, chairman of CSI Chennai introduced the speaker.

Mr. Vijayan, started his presentation defining about personality and added that a personality profiling is a knowledge management tool used to provide an evaluation of an individual’s personal attributes, values and life



skills which can effectively be used in Recruitment and selection; Identify developmental needs; Career selection and counseling; Marriage counseling; Psychotherapy; Personal growth etc.,

The session was meant to improve awareness of oneself and gain personal mastery using Transactional Analysis — a theory of personality and a systematic psychotherapy for personal growth and personal change — ego state model and structural analysis. Mr. Vijayan, explained about the functional model of ego states which comprises of “Parental messages experiences feelings” as Critical and Nurturing Parent (CP & NP), “situational strategies and outcome of information” as Adult (A), and “Child hood experiences” as Natural Child, Little Professor and Adapted Child (NC, LP & AC). The general characteristics of each of these ego states were discussed in detail.

According to the speaker, everyone has

the characteristics of these ego states at different levels. A questionnaire was administered to identify the level of each of these characteristics of all the participants. With the scores obtained, the ego gram was plotted. The actual ego gram of a participant was taken for analysis and the characteristics of the person was discussed and verified with those, fairly, known to him. He added that a preferred ego gram is to have high Adult score followed by Natural Child, Nurturing Parent, Little Professor, Adapted Child and least score for Critical Parent.

The session was highly interactive and appreciated by everyone. At the end of the session, Mr. A. Chandrasekaran, chairman of CSI Chennai and Major (Retd) V.V. Chandrasekaran, Secretary of IEEE Madras Section presented mementos to the speaker. The programme ended with the vote of thanks by Dr. P. Sakthivel, an active member of IEEE and past chairman of CSI Chennai.

Editorial Team

Mr. H.R. Mohan, Mr. T.S. Rangarajan,
Dr. T. Thyagarajan, Dr. P. Suresh Chander Pal,
Major. V.V. Chandrasekaran, Dr. Krishna V. Prasad

Visit our Website

www.ewh.ieee.org/r10/madras

Posted On : 24th August 2012

Posted at: Egmore RMS (Patrika)

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