Chairman's Message

T.S. Rangarajan
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My dear members

I am delighted to serve you as the volunteer Chair for 2012. My predecessors and all the other volunteers have done wonderful service to the cause of IEEE Madras Section so far and have set a tough benchmark for us to achieve and excel. I count upon your continued support, encouragement and guidance to help the new team to set new benchmarks in the performance of our section.

Few years ago, while deliberating on the theme for the old website, Dr Krishna Prasad and I came upon **'engaging members'** as the key to providing direction and motivation to the executive committee to undertake volunteer service and initiatives. I am glad to report that the metrics presented at the AGM on Feb 11, 2012 amply demonstrated that we have surpassed those expectations.

Having achieved a certain scale of horizontal growth – crossed 10,000 members mark, awarded distinguished large section award for 2010, maximum number of student branches and so on, I believe it is time for us to look towards vertical growth – meaning **improving the 'quality' of our engagement** as a community.

Today each one of us has packed calendars – whether you are a student, a working professional, a retired person or a housewife. There are many options, for you to choose from, to keep yourselves occupied or engaged. Each of these options is competing with each other fiercely to attract your attention and gain your mindshare. Needless to say, either these options have to be immensely entertaining or add immense value to yourself and your professional career in order to gain your attention. With a history of 125 years of yeoman service in *Advancing Technology for Humanity,* IEEE has to use its ingenuity and technological prowess to be head and shoulders above the rest of the options to attract, engage and retain its members who are by their very membership, interested in technology. As volunteers of IEEE Madras Section we wish to put awareness of IEEE offerings, leveraging the benefits of membership and contributions of members towards *Advancing Technology for Humanity* to be the number one choice of its members when compared to other options that they already have.

I would therefore like to propose that we focus our energies on **'value adding engagement'** as the theme for this year – for your kind consideration.

To begin with, I propose to put this message as a blogpost on in our new CMS based website at http://ewh.ieee.org/r10/madras/?q=content/chairs-message-feb-2012, which will facilitate an interactive dialogue between us. Please feel free to post your valuable comments, suggestions, feedback and value adding observations so that we can together discuss, complement and continuously enhance the value of our membership of IEEE.

I wish you all a very happy, prosperous and **'value adding engagement'** with IEEE in 2012.

Yours volunteer-ily
T.S. Rangarajan

From The Editor's Desk

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Dear Friends,

LINK welcomes the new Execom of the IEEE Madras Section for the year 2012. Mr. T.S. Rangarajan, Chairman, in his message urges all our members to come together to achieve the mission and vision of IEEE – "Advancing Technology for Humanity".

The AGM for the year 2011 was held on 11th Feb 2012 with good participation. A brief report on AGM with a few select photos and the contact details of the Madras Section Execom Members for the year 2012 have been published in this issue of the newsletter. Detailed Annual Report and the photo gallery can be viewed at the Section website.

LINK congratulates the following student branches and society chapters for receiving the certificate of appreciation and cash awards for organizing maximum no. of events (based on the reporting in LINK).

Student Branches

Aarupadai Veedu Institute of Technology; Jeppiaar Engineering College; Kongu Engineering College; Amrita School of Engineering

Society Chapters

IEEE Computer Society; IEEE Women In Engineering Affinity Group; IEEE Professional Communication Society

Further, LINK congratulates the following student branches having the maximum no. of members in their branch. Sathyabama University; Velammal Engineering College; Kongu Engineering College.

LINK also congratulates our members – Dr. G.V. Rao, Dr. M.A. Atmanand, Dr. A. Nagappan and Dr. R.M. Suresh for recognitions received from various agencies for their significant contributions.

In this issue, we have published the reports on events organized by the following institutions:

Kongu Engineering College; MIT, Anna University; Jeppiaar Engineering College; M.P. Nachimuthu M. Jeganathan Engineering College; Kumaraguru College of Technology; St. Xaviers Catholic College of Engineering; Coimbatore Institute of Engineering and Technology; Mahendra Engineering College; Jayaram College of Engineering & Technology.

The other items published include: National Workshop on Research Methodology held at RMD Engineering College along with IEEE CS, Inauguration of the IEEE CS Student Chapter at Vel Tech Univ., Distinguished Lecture Program (DLP) Organised by IEEE - IAS Madras Chapter and the Lecture Series by IEEE COMSOC.

We draw the attention of our readers to the list of forthcoming events and request them to contribute papers and also participate and benefit professionally.

With the Content Management System based website in place, we wish to empower the SBs and Society Chapters to post their activities in detail online. This will result in optimizing our spending on the print edition of the newsletter and the inclusion of additional reference value contents. More details on this will be announced soon.

Activities at Kongu Engineering College

Technical Awareness Program

The IEEE SB of Kongu Engineering College takes active participation in various activities. One such activity is the Awareness Program for school students in rural areas. The program was held on 18th Jan 2012 for the Government High School, Nattuvampalayam, Sankari, Salem and around 24 office bearers and students volunteered for this event. The program focussed on the 9th std. students commenced in the morning by enlightening about the objective of the event. We had around 75 students totally. The students were made aware about the various streams and new branches of engineering study. The volunteers shared details regarding the latest engineering finds and revolutionary designs with the aid of many videos and presentations and kindled the student's interest in engineering. Mr. M. T. Sakthivel, Jt. Secy of the SB imparted the basic facts of electronics and satellite communication to the studnets. They were also made to understand the importance of keeping themselves updated regarding the growing technology. Most important of all, the students were encouraged to interact and clear their doubts regarding higher studies and engineering. In the afternoon session, events such as Type Master, Visual Hunt, Quiz, Debate and Memory Game which exposed the talents of the rural students were conducted and prizes were distributed to students who performed well in these events. We received encouraging feedback both from students and Head Mistress of the School. Thus TAP provided an excellent platform for the rural students to inculcate awareness on technical grounds.

SPAVe'12

IEEE student branch of Kongu Engineering College conducted SPAVe'12, an interdepartmental technical symposium for the IEEE members on 21st Jan 2012. It was a feast for the technically thirsty and creatively tasteful minds of KEC. Preliminary rounds were conducted for Quiz, Code Debugging, Circuit Debugging competitions and the selected students were short listed for the final round. The event was declared open by Mrs.V.R. Saraswathy, Staff-Coordinator IEEE SB, KEC. The first technical session started with Paper Presentation. The students came up with innovative ideas in technologies like Robotics, Stampede control using image processing, Spintronics in medical field etc. The Project Presentation was conducted simultaneously and many students implemented their ideas as projects. The afternoon session started with Multimedia Presentation which helped the students in incorporating their knowledge in software. Code Debugging and Circuit Debugging were conducted simultaneously. Following this was the Poster Presentation which showcased the artistic and design skills of the students. The last event was Quiz, which was a test to the student's spontaneity, general knowledge and shrewdness. Staff-Coordinator of IEEE, Mrs. V.R.Saraswathy thanked the juries for the various contests and presented mementos to them. On the whole SPAVE-12 was a blast with loads of innovation and creativity.

Report by: Harini. S,
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National Workshop on Research Methodology at RMD Engineering College

A two day, National Workshop on Research Methodology was held during 27-28, Jan 2012. It was organized by the Dept. of Computer Science & Engineering, RMD Engineering College in association with the IEEE Computer Society, IEEE Professional Communication Society, CSI Div IV & Chennai Chapter and the ISTE Local Chapter. The programme was inaugurated by Dr. K. Chandrasekaran, Dean, RMK Engineering College and Syndicate Member of Anna University, Chennai and the Chairman of IEEE CS & PCS Mr. H.R Mohan. Dr. K. Sivaram presided over the inaugural session. Dr. R. M. Suresh welcomed the participants and provided an overview of the progarmme. Dr. K. Dinakaran proposed vote of thanks after the formal inauguration of the workshop.
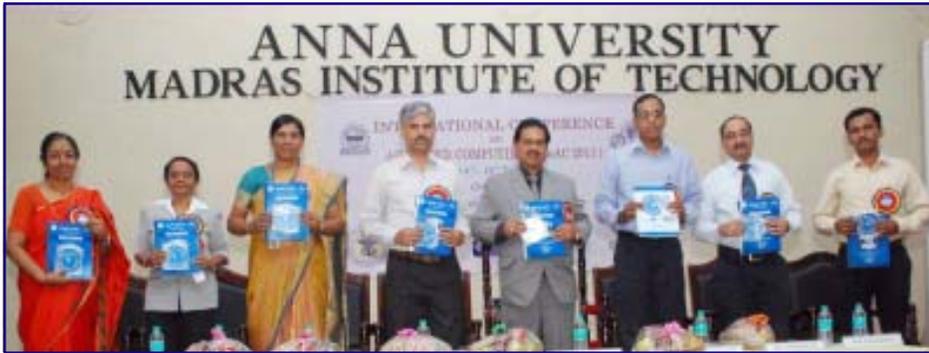
Dr. Chandrasekaran, in his Inaugural address said that the Research Methodology is the subject of interest as on date to everyone. He stressed that one need to go through in a methodical way to achieve better research and performance. Mr. Mohan, highlighted the role of professional societies like IEEE, CSI & ACM for professional development and the support they extend in research activities through their peer reviewed technical journals, archived digital libraries and conferences. He added that the researchers should avoid plagiarism and ensure their originality in research work. He appreciated the interests of delegates come from both academic and industry streams.

Dr. R. M. Suresh, Associate Dean for Research at RMD Engineering College was the key resource person on both the days of the workshop. The 10 workshop sessions were well planned and covered major topics in Research Methodology such as: How to choose a research problem; How to write papers, Tools available for the research, Data sets, Journals to publish the research papers, How to organize thesis, Funding Agencies, and How to control plagiarism etc., The workshop attracted 75 delegates from various parts of South India including from NIT Surathkal, JNTU Hyderabad and Pondicherry University, Puducherry & Trivandrum University. The participants provided a very good feedback on the workshop and considered that this workshop was like a condensed M.Phil degree in two days. The participants were given the workshop and reference materials (of about 500 MB) such as whitepapers, tutorials, open source software in a USB drive.

Report by: Dr. R.M. Suresh

International Conference on Advanced Computing held at MIT, Anna University

Computer Technology Department of Madras Institute of Technology, Anna University Chennai, in association with IEEE Madras Section organized a three day conference "International Conference on Advanced Computing", ICoAC 2011 during 14 - 16 December 2011.

The conference started with the presidential address by the honourable Vice Chancellor Dr. P. Mannar Jawahar followed by special address by Registrar Dr. S. Shanmugavel. Dr. S. Thamarai Selvi, Dean MIT welcomed the gathering and Dr. V. Vaidehi briefed about the conference. Inaugural address was given by the Chief guest P. Balamuralidhar, Head TCS Innovative Labs, Bangalore. Dr. T. Thyagarajan, Chairman, IEEE Madras Section addressed the gathering. Dr. Nirmala Shenoy, RIT, US was the Guest of Honour.

ICoAC conducted two tutorials, "Neural Networks and Support Vector Machines" by Dr. C. Chandrasekar, IIT Madras, "Cloud Computing Issues & Challenges" by Dr. S. Thamarai Selvi, Dean MIT, Anna University and a workshop on "Web Technology" was conducted by Mr. C. N. Rao, of TCS.

The conference had the following four keynote addresses.

- P. Balamuralidhar, Head TCS Innovative Labs, Bangalore on "Ubiquitous Sensing"

- Dr. R. Chandramouli, Stevens Institute of Technology, USA, on "Cognitive Radio Networking: Current and Future Direction"

- Dr.SubratKar, Dept. of EE, IIT Delhi, on "SIP and Byte-NGN and Computing".

- Mr. E. Bhaskaran, Deputy Director of Industries and Commerce Govt. of TN, on "Cloud Computing Model for Chennai Automotive Cluster".

ICoAC had 11 plenary talks as detailed below:

- Dr. Nirmala Shenoy, on "Networking and Protocol Layering- Legacy or Clean Slate"

- Dr. A. Kannan, Department of Computer Science and Engineering, CEG Campus, Anna University on "Agent Based Intelligent System"

- Dr.Mudhakar Srivatsa, IBM, USA "Analysis of Next Generation Mobile Sensor Network Traces: A Taxi Cab Perspective"

- Dr. Krishna Sivalingam, IIT Chennai "Networking Architecture for the Smart Grid"

- Dr. Manimaran Govindarasu, IOWA State University, USA on "Real-Time Embedded Sensor Networks"

- Dr.Chellappan, Anna University, CEG "Mobile Security and Challenges"

- Dr. Sagar Naik, University of Waterloo, Ontario, Canada "Challenges in Evaluating Energy Performance of Smartphone"

- Shoolapani Biju, CTS, on "Data mining from the social data"

- Dr. T. V. Geetha, CEG Campus, Anna University, Chennai, "Research Topics in E-Learning"

- Dr. V. Vaidehi on "Object Detection and Tracking using Sensor Network"

- Mr.Shyaam Sunder K, Ramco Systems on "Cloud Computing in the Government"

ICoAC 2011 also had the following online plenary talks.

- Dr. V .Lakshmi Narasimhan, CTO Kausik & Associates Inc. North Carolina USA on "Cloud Computing for Health Care and Medical Applications"

- Dr. Sasanka Prabhala Intel Corporation USA, on "Shifting Learning Practices- Digital Services"

- Dr. Subhashini Ganapathy Intel Corporation USA on "Computing in Education: Transforming Informal Learning into Formal Learning"

- Dr. Vivekananda Suresh Kumar Athabasca University Canada, on "Evidence based Practices in Online Learning: Where do we go from here?"

- Dr. Xavier Fernando Ryerson University Canada on "Information and Communication Technologies for Greener World".

ICoAC 2011 got a good response from various researchers. It received about 350 papers from different educational institutions and research organizations out of which 68 papers were selected for oral presentation.

ICoAC 2011 is sponsored by IEEE Madras section both technically and financially. The Proceedings of ICoAC 2011 has been made accessible to international community through IEEE Xplore.

Congratulations

LINK congratulates Dr. M.A. Amtmanand, Director, NIOT, Chennai and IEEE Madras Section Execom Member for being the recipient of the National Geo Science Award for excellence of the Ministry of Mines, Govt of India in thecategory of Oil and Natural Gas Exploration, for Remotely Operable Vehicle.

Congratulations

LINK congratulates Dr. R.M. Suresh, Vice Principal and Associate Dean(Research), RMD Engineering College and IEEE Madras Section Member for having received the P.K. Das Memorial Award for "Best Faculty Award in CSE & IT (Senior) category" from Nehru Group of Institutions, Coimbatore along with a cash award of Rs. 10,000/= on 15th Dec 2011.

Inauguration of IEEE Computer Society Student Chapter at Vel Tech University

The inauguration of IEEE computer Society Student Chapter took place at Vel Tech Dr. RR & Dr. SR Technical university, Avadi on 21st Jan 2012. The student chapter comprises of 55 students and faculty. The formation of the IEEE CS chapter was initiated by the Dean of Computing Dr. Thomas Bellarmine. Mr. H. R. Mohan, Chairman, IEEE CS Madras Chapter and the Associate Vice President (Systems) The Hindu, Chairman CSI DIV IV, inaugurated the CS student chapter.

The function started with a devotional song and the lighting of kuthuvilakku. The Vice-Chancellor Dr. R. P. Bajpai, Vel Tech University, delivered the welcome address and presented a memento to the chief guest. After the briefing about the IEEE CS organization by the SC Secy, Prof. Venkatalakshmi, HOD/IT introduced the chief guest Mr. H.R. Mohan. Then, Mr. H. R. Mohan (the chief guest) delivered an inspiring talk. He highlighted the role of professional societies in career development and listed some of the major advantages of joining the largest computer society in the world – such as digital library access, online courses, online text books, free software from Microsoft, scholarships etc., He explained how the computer technology had changed over the recent decades and urged the students to keep updating their knowledge in the fast developing area of CSE.

The chairman, IEEE CS SC proposed the vote of thanks. Dr. R. Kannan, Registrar and the Principal participated in the function. Vel Tech IEEE CS website was developed by Mr. Dinesh III year student of IT which contains officers information, list of members, meeting notices, future meetings, etc.,.

Activities at Jeppiaar Engineering College

Industrial Visit to Microsoft, Bangalore

An Industrial Visit to Microsoft R&D, Bangalore was organized on 8th Aug 2011. Mr.Arun Srinivas, Assistant Branch Counselor, Dept. of EEE accompanied the group of 60 students from the 2nd, 3rd and the final year batches. The students were explained about the working of the company's organization, the technical aspects and the various specialized fields of importance, how a fresher can get into Microsoft, the expectations from Microsoft to recruit people. A short experience sharing session with a Microsoft fresher was also held. It was a good opportunity for the students to gain exposure to the happenings in the software field. Our Sincere thanks to Mr.K N Gowtham Prasad, Microsoft Bangalore and the other Microsoft team who helped us making this trip a successful one.

Section & Branch Representation in IEEE AISC-11

Six students from the Jeppiaar Engineering College attended the IEEE All India Students Congress 2011 which took place during 29th Sep to 1st Oct 2011 at Jamia Millia Islamia University, Delhi. Jamia Millia Islamia University Student Branch Counselor Mrs. Mini S Thomas provided the students with a detailed Introduction of how IEEE works as a structural body and a recap on the benefits of IEEE. Mr. Jaison Abey Sabu gave a talk on Leadership Skills in IEEE and discussed the problem of Lack of Member Retention. Dr. Darrel Chong, IEEE MGA SAC chair, IEEE R10 Secretary discussed on the problems faced by the IEEE student branches and the possible solutions for them. Mr. Arjun R Pillai enlightened us with a talk on Humanitarian technological challenge and Mr. Gautham Prasad from Microsoft provided us a talk on "The expectations of IT companies from Students". A discussion on "Problems regarding establishment of GINI in Madras Section" was also done with the R10 – GINI team and a solution was put forward.

Report by: Nivas Ravichandran, nivasravichandran@ieee.org

IEEE Day Celebration

October 6th 2011, a day when all the engineers worldwide share their excitement, visions and joys, Jeppiaar Engineering College, Chennai also participated in this joyous occasion by celebrating this day with great enthusiasm. Focussing on 2011's theme, the team at our Student Branch prepared a strategy to empower the young student members to CREATE THE FUTURE. As part of the IEEE Day celebration new initiatives were established in the student branch by our branch chairman Mr. Anand. B like innovative student projects other than their usual final year projects and research paper works during their under graduation itself, awards and recognition for

student members annually, etc. Our immediate past chairman, Mr. Felix. F not only encouraged the students to reap the benefits out of their four years of student membership but also motivated them toward volunteerism. The climax of the event was the cutting of the IEEE day cake, which marked the annual IEEE day. The cake was cut by our current student branch chairman along with the whole IEEE team and celebrated the IEEE Day together. We would like to express our gratitude to our Branch Counsellor, Mr. Sellakumar. S who has always been a backbone to all of us. It was indeed the team spirit which brought us the opportunity to celebrate this day with the fellow student members.

"Hello Drupal Workshop"

As an initiative towards the establishment of the concept, Student Branch Networking, IEEE GINI Madras Section and IEEE GOLD (Graduates of Last Decade) Affinity Group in association with Drupal Developer Community and the IEEE Student Branches of Easwari Engineering College, Jeppiaar Engineering College and Sri Muthukumaran Institute of Technology jointly organized a hands on workshop on an Open Source Content Management System Drupal on 22nd October 2011between 9am and 11.30am at SRM Easwari Engineering

College. About 40 students from different colleges attended the 3 hours workshop. Mr. Karthik, Mr. Uday and Mrs. Shyamala were the resource persons to train the students on how to install Drupal, key terminologies in the CMS and write a small custom module as well. They also presented the career opportunities for today's graduates in Drupal.

Trivia Time - Quiz Show

IEEE SB of Jeppiaar Engineering College organised a quiz contest "Trivia Time" on 5th Jan 2012 for the 2nd year students. It comprised of 3 rounds. The students were grouped in teams of four. In the first round — written test wherein the students had to answer from various areas. The second round was oral where the qualified teams answered questions from the set they

chose. Each set consisted topics such as entertainment, technology, sports and more and each topic had 2 questions in it. The third round was the "scenario" in which the participants had to speak on any problem statement. The winners were awarded. This was the premier event for 2012. After the quiz the volunteers conducted fun activities and distributed gifts to the participants. The feedback from the audience was encouraging and helped the team to develop themselves for the upcoming events. We would like to express our gratitude to our Branch counsellor, Mr. S Sellakumar and the volunteers who have contributed towards the success of the event.

Report by: Apoorva P Naidu,
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Distinguished Lecture Program (DLP) Organised By IEEE - IAS Madras Chapter

As part of the Distinguished Lecture Program (DLP), a one day short course and workshop by Dr. P. K. Sen on "Fundamentals of Electric Power Distribution Systems Design" was organized by IEEE – IAS (Industry Application Society), Madras Chapter on 6th Jan 2012. Dr. P.K.Sen is PE, Fellow IEEE, professor of Electrical Engineering, Colorado school of Mines, USA. He has 44 years of combined teaching, research and consulting experience.

The program was inaugurated by Er. S. Rajavel, Chairman, IEEE-IAS Madras Chapter.

Er. S. Appavoo, Chief Electrical Inspector to Govt of Tamil Nadu presided and addressed the gathering. Er. R.Srinivasan, Vice Chairman-1, Major V.V. Chandrasekharan, Vice Chairman-2, Er. G.V Rao, immediate past Chairman of IEEE-IAS Madras Chapter and Er. D. Maheswaran Secretary & Treasurer were present on the occasion. The program was held at Mortensen Hall, L&T Construction, Larsen & Toubro Ltd, Chennai. The program received overwhelming response and was attended by over 60 participants with representation from industries & academic institutions.

Free eBook

IEEE members can get a free download of "Guidelines for Professional Employment — A Framework for Communication" now through 29 February 2012 at http://www.ieeeusa.org/communications/ebooks/default.asp. The nonmember price is $5.99.

Section Membership as on 15th February 2012

Life Fellow	-	2
Fellow	-	2
Life Senior	-	9
Senior Member	-	101
Life Member	-	5
Member	-	2321
Associate	-	149
Affliate	-	42
Graduate Student Member	-	1295
Student Member	-	7808
Total	**-**	**11,734**

National Object at M.P. Nachimuthu M. Jeganathan Engineering College

The Association of Electrical and Electronics Engineering and IEEE Student Branch jointly organized the 4th One Day National Conference on 21st Jan 2012. The Correspondent Tmt.Vasantha Sudhanandhen presided over the function and delivered the presidential address. Sri. J. Santhosh, Joint Director, High Power Laboratory, Central Power Research Institute (CPRI) Bangalore was the Chief Guest. Prof. D.Sabapathi, HoD/EEE welcomed the gathering. The Principal Dr. K. Palaniswamy, in his felicitation encouraged the students & participants by stating that by being the budding engineers, the students are responsible for power production.

In the keynote address the Chief Guest said that it is big pride for us especially for our department that our country generates a power of about1,82,000 KW per hour. In this hour of koodankulam crisis, the reports from our former president Dr.A.P.J.Abdul Kalam & many scientists gave us an array of hope that the radiations power plants will not affect the surroundings. Earlier Mr. P. Selvan, Asso.Prof. introduced the Chief Guest.

Out of 180 papers received from various engineering colleges from all over India, 72 papers were selected for the presentation. In the valedictory function held in the evening the certificates were distributed to the participants by the Correspondent and the Principal. The arrangements were made by Mrs. S. Poornima, Association Coordinator, Prof. D. Sabapathi, HoD/EEE, all teaching, non-teaching staff and volunteer students for the grand success of the function.

Training the Trainers Workshop on "Team Building And Leadership" held at Kumaraguru College of Technology

Leadership is a word which has many definitions but none of them can be considered to be a perfect one. The simplest is "organizing a group of people to achieve a common goal". There are many qualities that promote effective leadership. Decisiveness, tact, integrity, enthusiasm, courage, endurance and initiative are some of the most important qualities that define a leader. Many organizations today are experiencing a leadership gap within their management team. Managers and supervisors may possess the job skills to get things done and the control skills to keep employees in line, but many lack in capability to inspire and empower people to see the vision and do their jobs effectively. Not all managers are leaders and not all leaders are managers.

Keeping this in mind the Dept. of IT, KCT organized a one day state level workshop on 21st Jan 2012 in collaboration with Madras IEEE WIE. Faculty from various colleges in Chennai, Coimbatore, Erode, and Salem participated in the workshop. The chief guest was Ms. Helene, Hi-Ying Fung, Senior Strategic Planning Manager, IEEE Asia Pacific Office, Singapore.

After prayers to Almighty Professor Sharmila Devi, co convener of the workshop welcomed the gathering and Dr Ramalatha HoD/ IT briefed on the theme of workshop, highlighting the necessity of leadership and qualities in academicians, and expected outcome of the workshop. In Presidential address Dr. J. Shanmugam, Director, KCT, gave an account on IEEE SB and their work for community. In his special address, Dr. S. Ramachandran, Principal, KCT enlightened the participants about the qualities of manager and the approach to student issues by teachers.

Ms. Helene Hoi-Ying Fung, addressed the participants, enumerating the importance of Wifi internet and development in intellectual technologies, job training and difference between authority and leadership and wished the participants well. The inauguration was concluded by expressions of gratitude by Ms. P. Shenbagam, Asst Professor, IT and another co convener of the workshop.

The inaugural session was followed by an ice breaking session in which the participants were asked to introduce themselves with additional details on: a fact about themselves which nobody knows and another fact which could be embarrassing for them. All the participants enthusiastically shared their experience and embarrassing moments in their life, which made the session hilarious.

The first session of the workshop was on "Action centered leadership - an overview". Dr Ramachanran Principal, KCT was the speaker and the session was interactive and an eye opener on corporate leadership, and leadership qualities.

Chief guest Ms. Helene Hoi-Ying Fung was the speaker for the second session. She narrated her experiences in Public Relations and Sponsorship raising for events. She gave live examples and explained about event promotions and marketing of ideas. The session ended with brainstorming, case study and discussions.

Session 3 was handled by Dr. N. Mohandas Gandhi on the topic "Team Building". It started with conversation about how everyone should contribute to team success and about collective emotional state. The speaker gave interesting anecdotes on 'relation building with emotion' and about team building through attitude. The session ended with feedback from participants who expressed regret that the workshop was of a short duration and their satisfaction about the topics and the session. The certificates were distributed at the end of the session.

The objective of such workshops is to give a direction on the qualities required for academicians to be a leader among their contemporaries. This workshop fulfilled the objective to a great extent.

Activities at St. Xaviers Catholic College of Engineering

Executive Committee Meet on 15-12-2011

The SXCCE IEEE SB conducted its Executive Committee meeting to discuss on the activities to be planned during the year on 15th Dec 2011. The meeting was initiated by the SB Coordinator Mr. Darwin Jose Raju. He suggested to organise an exhibition in Feb 2012 for the benefit of school children in the next Sangamam Project. Then there was an interactive session on various features to be included in the newsletter (SXCCE IEEE LINK) and identification of the members for editorial team from various departments. Mr. Raju also suggested for an awareness programme about IEEE membership to the freshers in Jan. Mr. C. Jinesh, SB Chairman outlined about the competitions to be conducted in the Technical Enigma and the technical events in Feb. Srividhya of final IT was designated as the organising committee head of Technical Enigma event. Discussions took place on the design changes in the IEEE membership certificate.

Report by: C. Jinesh.

Orientation Programme - 2012

As a part of membership drive for the year 2012, our SB conducted an orientation program for the newly joined students. It was organized by the SB coordinator Er. A. Darwin Jose Raju and was conducted by Mr. C. Jinesh, SB Chairman. The program was conducted in two phases, on 3rd Jan for the studnets of EEE & ECE and on 4th Jan 2012 for the students of CSE & IT. About 75 students attended the programme. Mr. C. Jinesh briefed about IEEE and its structure —R10, India Council, Madras Section in general and about IEEE student branch in particular. The benefits of having an IEEE membership were highlighted. The activities of IEEE SB and WIE SB affinity groups were explained to the members. The awards and contests within our SB, regional and IEEE HQ level were briefed to the members. To create awareness among the student members about our SB, the awards and appreciation certificate won by our SB from IEEE HQ and from the section were informed to the members.

Report by: Mr. Arun S. Felix,

Technical Gathering

On 12th Jan, the IEEE SB organised a technical meeting in which IEEE senior member Prof. C. Seldev Christopher, SB Chairman Mr. C. Jinesh and 33 student members participated. The meeting started with the code of ethics read by Ms. Ann Agnetta Chandru. After an inspirational talk by Prof. C. Seldev Christopher, a technical presentation on "Electronic Nose" was given by Ms. R. Dhanya. The programme committee convenor Mr. Arun S. Felix requested for student volunteers for the Sangamam Project. The first ten members who arrived for the meeting were given magnetic labels each for punctuality. Later Prof. C. Seldev Christopher provided suggestions on using power point presentation for effective communication of ideas during the technical presentation. Mr. C. Jinesh spoke about the preparation of projects and papers for applying for various project proposals and contests in IEEE.

Report by: M r. Arun S. Felix

Student Branch Offier's Training Workshop

The 'IEEE Student Branch Officer's Training Workshop' was conducted on 21st Jan 2012 with the support of R10 GINI Team. The workshop resource persons included: Mr. Arjun R. Pillai, Mr. Barnabas Muthu, Mr. Hari Krishna and Mr. Anand from the R10 GINI team. The intention of the workshop was to train the IEEE Student Branch office bearers, Branch Counsellors and other volunteers of IEEE SB in and around the district of Kanyakumari.

The workshop commented at 10 a.m. with the 'IEEE Code of Ethics' read by the event coordinator Ms. C. V. Chaitra followed by the welcome address by Ms. K.G. Simi. The participants from 12 colleges attended the workshop. After general introductions and a short break, there was a session explaining what skills must a SB office bearer should possess in order to run the IEEE SB in an efficient manner which in turn benefits all the students of the college not only SB life cycle, report writing, event organizing tips etc. In the post lunch session, Mr. Arjun spoke about the funding available for conducting workshops and conferences by a SB. He also provided ideas relating to fund rising. Then Mr. Anand spoke about student activities structure, SB networking, GINI MAS network – its website and its events. The workshop ended up with the detailed explanations on the platforms of GINI – SB networking, collaboration platform and industrial collaboration by Mr. Hari.

In valedictory function, correspondent Rev. Fr. A. Jesu Marian, principal Dr. S. Joseph Sekhar, SB coordinator Prof. A. Darwin Jose Raju, WIE faculty advisor Prof. A. Subitha and the SB chairman Mr. C. Jinesh participated along the GINI team. The workshop ended with the vote of thanks by Mr.C.Jinesh.

Report by: K. G. Simi

Career Guidance Programme at CIET

IEEE Student Branch of Coimbatore Institute of Engineering & Technology had organized a career guidance programme for the all the final year students on 21st January 2012. Around 250 students from CSE, ECE, EEE and IT participated in the programme conducted by Mr. B. Saravanan, IEEE SB counselor.

Mr. Saravanan addressed on goal setting in life, placement scenarios, expectation of the industry, preparation required to compete with the industry needs, new jobs available in the market, preparation needed for higher studies, preparing for exams like GATE, CAT, GMAT, etc. At the end of the programme, students clarified their doubts.

Report by: Saravanan.B

Activities at Mahendra Engineering College

Inauguration of IEEE Student Branch activities

The inauguration of the student branch activities took place at Mahendra Engineering College at 9th Dec 2011. Shri. M. G. BharathKumar, Chairman presides over the function. Dr. R. Samson Ravindran, Principal welcomed the gathering.

Dr. N. Kumarappan Professor of Electrical Engineering, Annamalai University and Chair Educational Activities, Executive Committee Member (IEEE Madras Section), has participated as a Chief Guest of the function and lighted our traditional symbol of knowledge and inaugurated the IEEE student branch. In his presentation he highlighted various membership benefits.

Previously Dr. P. Raviram, Associate Professor & SB counselor of Mahendra Engineering College, introduced the office bearers of the SB. Prof. R. G. Sakthivelan, HOD/CSE, introduced the Chief Guest. 120 students and

40 faculty members from various departments participated. At the end of the programme, the SB Secretary G. Ramya delivered the vote of thanks.

Office bearers of the Student Branch are:

Chairman	:	D.Gajalakshimi - III CSE
Vice-Chairman	:	K.Dinesh - II CSE
Treasurer	:	V.Gokulakannan - II CSE
Secretary	:	G.Ramya - II CSE

Technical Talk on "Computational Intelligence Tools in Engineering"

The IEEE Student Branch of MEC organized a Technical Talk on "Computational Intelligence Tools in Engineering" on 9th Dec 2011. Dr. N. Kumarappan Professor of Electrical Engineering, Annamalai University and Chair Educational Activities, Executive Committee Member (IEEE Madras Section) has participated as a resource person. Shri. M. G. BharathKumar, Chairman presides over the function. Dr. R. Samson Ravindran, Principal delivered presidential address. Prof. R. G. Sakthivelan, HOD/CSE, welcomed the gathering Dr. P. Raviram, Associate Prof., & SB Counselor introduced resource person.

Dr. N. Kumarappan, in his talk, highlighted Computational Intelligence Tools, its applications and Evolutionary Computing.

About 30 faculty members from various departments and 150 students attended and learnt about Genetic Algorithm, Tube Search, Hybrid Systems and Natural Computation.

Report by: Dr. P. Raviram,
drpraviram@gmail.com

Lecture Series by IEEE COMSOC

IEEE Communications Society Madras organized its Lecture Series on January 21, 2012 at IEEE Madras Section, Chennai. The Lecture series, being conducted by IEEE Communications

Society Madras Section for the past two years, with one lecture on a technical topic followed by a presentation on soft skills.

The first lecture was on "Microcontrollers in Robotics" delivered by Er. Selvaraju of SS Technologies, Chennai. The lecture included the basics of robotics and applications of microcontrollers in Robotics. The lecture was followed by a live demonstration of different robots. The lecture was well received by students with an interactive question and answer session.

The second Lecture was delivered by Mr.

Sreeduth S Pillai, Managing Partner, 'les mentors', Chennai. The lecture was on the topic 'The journey towards excellence'. The lecture included factors contributing to building a great career. The lecture was highly interactive in nature with audio visual presentations livening up the session. The presentation was followed by a question and answer session.

The Lecture series was well attended by nearly hundred students from engineering colleges all over Tamilnadu. Mr.P. Subramanian, Secretary, IEEE COMSOC Madras Section welcomed the gathering and presented mementos to the speakers.

TechnoQuiz Competition Contest at Jayaram College of Engineering & Technology

IEEE student branch of Jayaram College of Engineering and Technology organized a Quiz Competition on 25th Jan 2012 for the young

tech buddies, where 10 teams were selected for the finals out of out of 25 teams took part in the prelims. Dr. N. Kannan, Mentor, IEEE SB,

JCET, chaired the competition and Dr. S. A. Sahaaya Arul Mary, IEEE SB counselor, JCET welcomed the gathering.

The Quiz questions were framed to reveal the hidden talents and testing technical skill of the participants who were teamed based on their respective departments. The questions covered aptitude, logical reasoning, fundamentals of computing and digital system design. The quiz was found to be useful for the students in gaining knowledge about other department. The quiz was conducted by a team of IEEE members consisting of B. Presanna, S. Depika and R. Balaji of III CSE. Students from various departments actively took part in the arena and first three winning teams were been awarded with cash prize of Rs. 3000/-. This quiz program received an excellent feedback from all the participants.

Report on Madras Section AGM for the year 2011

The IEEE Madras Section AGM for the year 2012 was held on 11th Feb 2011 at the Conf. hall at the Alumni Centre, College of Engineering, Anna University. About 120 members attended the AGM.

Dr. T. Thyagarajan, Section Chairman, welcomed the gathering and provided an overview and the highlights of the Section activities during the year 2011. He thanked all the members and the execom for extending their support in carrying out the activities of the Section which ultimately rewarded the Section with the "Distinguished Large Section Award" for the year 2010.

After the confirmation of the minutes of the AGM 2011, Secretary Dr. N.R. Alamelu, presented the Secretary's Report for the year 2011 detailing out the section, society, student branch activities, membership status and development etc., The report was approved by the general body. The full report is available at the Section website for reference.

Major. V.V. Chandrasekharan, treasurer, then presented the Audited Accounts for the year 2011 which was unanimously approved. The current auditors Kumar & Raj were re-appointed for one more year by the approval of AGM.

Mr. K.V. Rupchand, on behalf of the Nominations Committee, presented the report on the Execom slate of the Madras Section for the year 2012 and inducted the new Execom with Mr. T.S. Rangarajan as the chairman. The other newly elected members of the execom were introduced to the general body. The List of Office Bearers, Execom Members and their contact details are provided for reference in this month newsletter in page 11.

Cash awards and Certificates of Appreciation were given to the best performing student branches (AVIT stood first), society chapters (IEEE CS topped in no. of activities) and the student branch with largest no. of members (Satyabama University with around 1200 members).

Mr. K. Rupchand, chairman, IEEE PES & IEEE TMC gave a brief presentation of the activities of these society chapters. Due to paucity of time, other society chapters could not present their activities. However, they are being made available at the Section website.

The outgoing and the incoming chairmen honoured the execom & senior members of the Section. At the end, the incoming secretary, Major. V.V. Chandrasekharan proposed the vote of thanks.

Chairman Address

Secretary Presenting the Annual Report

Treasurer Presenting the Auditd Accounts

Announcement of new Execom by the Nominations Committee

IEEE CS -- Topper in Society Chapter Activities

AVIT -- Topper in the Student Branch Activities

Satyabama University -- Largest Student Branch

Office Bearers with Past Chairpersons and Society Chairs

Section of Audience

AGM Dinner -- Dosa Mela

Forthcoming Events

SAXON 2k12. 24th Feb, 2012 at Sona College of Technology, Salem-5. Organised byIEEE Student Branch & WIE. For Details, Contact No: +91 9786547775 or visit http://sonatech.ac.in/saxon12

NCISE-2012: National Conference on Information and Software Engineering. 9-10, Mar 2012 at Chennai. Organised by Dept. of IT, Aarupadai Veedu Institute of Technology in association with IEEE Madras Section, IEEE Computer Society. Contact: Dr. Anthony Irudhayaraj, Phone**:** +91-9443884732, +91-9962735582 Email: ncise2012@gmail.com, Web: www.ieeecs-ncise.com

Conference on Recent Advances in Communication Systems and Technologies. 15th Mar 2012 at Tirunelveli. Organised by Francis Xavier Engineering College. Contact: Dr. T.V.J. Ganesh Babu. Email: ecehodpgfx@gmail.com

NCVESCOM-2012: VLSI, Embedded Systems, Signal Processing and Communication Technologies. 21-22, Mar 2012 at Chennai. Organised by Dept. of ECE, Aarupadai Veedu Institute of Technology & suported by IEEE COMSOC Madras, CSI Div IV (Communications), IEEE CS Madras, IETE Chennai Centre and Broadcast Engineering Society (India). Contact ncvescom2012@gmail.com Website: www.avit.ac.in

Dept. of CSE, Periyar Maniammai University (PMU), Vallam, Thanjavur, TN and IEEE student branch of PMU will be jointly organizing the **National conference on Information and Communication Technology (NCICT 2012)** and the **National level technical symposium (SPECTECH 2012)** and **National level technical showcase 2012** during 21-23 March 2012. For further details visit www.pmu.edu/techfest2012

National Conference on Innovations in Power Engineering and Soft Computing. 29th Mar, 2012 at Salem. Organized by Sona College of technology. Contact: Dr. S. Padma. Phone: 9942584848, Email: ipesc2012@gmail.com

ICAESM 2012: International Conference on Advances in Engineering, Science and Management. 30 & 31, Mar 2012 at Nagapattinam, Tamil Nadu, India. Organised by EGS Pillay Engineering College Contact: Prof. G. Giftson Samuel / Dr. K. Kavitha. Phone: +91 4365 251112, +91 4365 251114 mobile: +91 94431 20840 Email: icaesm2012@gmail.com Website: http://icaesm.egspec.org/

RACSS-2012: International Conference on Recent Advances in Computing and Software Systems. 25 – 27, Apr 2012 at Chennai. Organized by the Dept. of CSE, SSN College of Engineering, Chennai in association with IEEE Madras Section, IEEE Computer Society Madras and CSI Chennai & Div IV – Communications. Contact: Dr. Chitra Babu. Phone: +91-44-27469700, Email: racss2012@cse.ssn.edu.in Web: http://www.racss2012.com

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Congratulations

LINK congratulates Dr. A. Nagappan, Principal, VMKV Engineering College, Vinayaka Missions University, Salem and IEEE Madras Section Execom member, for receiving "Best Citizens of India" award from International Publishing House, New Delhi, an autonomous nonprofit organization, identifying persons of exceptional caliber and outstanding performance in their chosen area of activity.

Congratulations

LINK congratulates Dr. G. V. Rao for having received a certificate of appreciation which states "IEEE hereby expresses its appreciation for Notable Services and Contributions towards the advancement of IEEE and the Engineering Professions to Govinda V. Rao Chair, Industry Applications Society, Madras Section2006-2011".

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**For the detailed Annual Report
and the AGM photo gallery,
pl. visit the Section website.**

IEEE Madras Section Execom Members - 2012

Sitting (L-R)   : Major V.V. Chandrasekharan (Secretary), Dr. N. R. Alamelu (Vice-Chair person), Dr. T. Thyagarajan (Past-Chairman), Mr. T.S. Rangarajan (Chairman), Mr. H.R. Mohan (Vice-Chairman), Dr. S. Hemamalini (Treasurer)

Standing (L-R) : Execom Members: Dr. A. Nagappan, Mr. Raja Valiveti, Dr. N. Kumarappan, Mr. A. Darwin Jose Raju, Mr. D. Maheshwaran

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 February 2012
Posted at: Egmore RMS (Patrika)

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