Chairman’s Message

Dr. T. Thyagarajan
thyagu_vel@yahoo.co.in

Esteemed Members

You are aware that, in every issue of IEEE-MAS Link, the updated membership details of the section are published. Out of the 9094 members, 1962 are non-student members. Among the 1962 members, majority of them are from academic institutions. As 5th September is celebrated as the Teacher’s day and also as the new academic session has just started, you will agree with me that, a recap on the thoughts about the “Teaching skills for College Teachers” and also “The Role of the Teachers in the Teaching Profession” will be a worth exercise under the chairman message for this month. A teacher is the chief architect in molding the students’ career. In this connection, let me highlight the 10 useful tips to make the classroom teaching more effective.

10 Useful Tips for Effective Classroom Teaching

- **Review**: Make a quick review of previous day’s lesson
- **Objective**: At the beginning of the class, clearly state the objective of that day’s class
- **Interaction**: Interact with the students by encouraging their participation, to avoid monotony
- **Black Board Management**: BBM includes Legibility, letter size, optimal utilization of BB space
- **Mnemonics**: Use Mnemonics (VIBGYOR for Rainbow colors) for easy memory-recall
- **Tutorials & Assignments**: Conduct/give the T/A while teaching analytical
- **Teaching Aids**: Use OHP/Multimedia projectors/ Charts/ Interactive CDs, PPT slides
- **Summary**: Give brief summary at the end of each class
- **References**: Inform the students about the reference books for further reading
- **Feedback**: Obtain periodic feedback from students and take necessary corrective action

**Similar to BBROY OF GREAT BRITAIN…. for the resistor color code, remember the above 10 tips by using the mnemonics - MR. F. BRITTOS (M for Mnemonics, R for Review, F for Feedback etc.),**

The second point I wanted to share with you is the **role of the teacher in the teaching profession.** This can be classified into 4 categories: (Academic, Research, Admin and Extension activities). The various activities under each category are highlighted below:

From The Editor’s Desk

H.R. Mohan
hrmohan@gmail.com

Dear Friends,

Our Chairman, as a true teacher has highlighted “Tips for Effective Classroom Teaching” and “Role of the Teachers in the Teaching Profession” in his message.

After the re-opening of the colleges, we are able to see an increase in the level of the activities of our student branches. This issue of LINK reports a record no. of (about 20) activities held at various student branches in our Section.

The activities reported in this issue of LINK include: Inauguration of I-GROW at Arunai Engineering College, Guest Lecture at K. S. Rangasamy College of Technology, Technical Conference at Bannari Amman Institute of Technology, Inauguration of the student branches at M.A.M College of Engineering, College of Engineering at Guindy and S.A. Engineering College, Activities such as Guest Lectures, APT-sparkle workshop, Seminar Quiz etc., at M. Kumarsamy College of Engineering, Technical Seminar at Kumaraguru College of Technology, Project / Paper Contest and Workshop on “Computer Networks” at Coimbatore Institute of Engineering Technology, New Member Orientation Programme at Sri Krishna College of Engineering, Guest Lecture at M.P.Nachimuthu M. Jaganathan Engineering College, Seminar on “Applications with Oracle 9i – Database” at Aarupadai Veedu Institute of Technology, Ferret-10, Interdepartmental function at Kongu Engineering College, Guest Lecture at Anand Institute of Higher Technology, Seminar on “Soft Computing Tools For Medical Diagnostics” at Jayaram College of Engineering and Technology and Seminar on “Static Timing Analysis” at Francis Xavier Engineering College.

Brief notes on the IEEE Computer Society activities such as free seminar on “Access to Knowledge”, technical talks on “Challenges of ERP Implementation in SME Companies” and on “Intelligent Robots” held during Jul and Aug 2010 appear in this issue of LINK along with a detailed report on the three day workshop on “Cloud Computing” organized jointly with the CSI Division on Communication and CSI Special Interest Group on Distributed Systems. This workshop supported by 18 major companies providing cloud based services was attended by over 350 delegates and it covered various aspects of Cloud Computing. Status in India, Security Concerns, Migration Strategies and Research Directions etc.,

LINK congratulates Mr. P. Sivaram Krishna of Sri Venkateswara College of Engineering and Mr. Rohit Bothra of MNM Jain Engineering College, the winners of Info Contest - 1007 who will receive a prize of Rs. 500/= each sponsored by SRA Systems.

The response for the funding of student projects is overwhelming. The Section is looking for Experts among our professional members to review the projects and shortlist them for financial support. Members may pl. communicate their interest to the Chairman or the Section Office.

Readers’ attention is drawn to the following:

- IEEE COMSOC Web Page Design Contest
- NCMAN-2010: National Conference on “Mobile and Ad Hoc Networks”
- Seminar on “Emerging Trends in Communication Systems and Technologies”
- Student Competition for the design of Student Autonomous Underwater Vehicle (SAVe)
Inauguration of I-GROW at Arunai Engineering College

The grand inaugural function of the I-GROW for the academic year 2010-11 was held on July 16th, 2010 at Arunai Engineering College. Mr. H. R. Mohan, the chairman of IEEE Computer Society and Mr. Subash from Spring Board Technology, adorned the function as guests.

The event got under way with the welcome address by Dr. M. Arumugam, Director, R&D and it was witnessed by the Heads of various departments.

I-GROW (Information Global Reach Objective Wing) is an active association of Computer Engineers carried on by the students of Department of Computer Science and Engineering. It is a forum which contributes a lot in the development of technical skills of the students by organizing seminars, guest lectures, workshops and related events.

“Best leaders are the ladders for a successful organization”. The office bearers for the academic year 2010-2011 were elected and announced.

Mr. H. R. Mohan gave an inspirational talk on IEEE Computer Society and the benefits of being an IEEE computer society member. He briefed about the various opportunities available in today’s world and insisted the audience to become an IEEE-CS member and make the best use of the membership.

Following him, Mr. Subash from Spring Board Technologies presented an interesting session on Cloud Computing. He carried out the session in an interactive way by giving many real-time examples. On the whole it was a very useful and motivating day that helped the students to know more about the advancements in the area of cloud computing.

The vote of thanks was given by Mr. T. Jagannathan president of I-GROW. The function came to a successful end by extending gratitude to our motherland through National Anthem.

Report by: M. Valarmathi, v.mathi56@yahoo.com

Guest Lecture at K. S. Rangasamy College of Technology

The IEEE student branch of K.S.Rangasamy College of Technology, Tiruchengode Organized a Guest Lecture on “VLSI System Design” on 13th Aug 2010. The day began with the ceremonial tribute to the Almighty. Mrs. T. Preetha, IEEE Graduate Student Member, KSRCT welcomed the gathering.

Mr. S.SARAVANAN, IEEE Coordinator / AP, ECE, KSRCT introduced the Chief Guest, Mr.C.Prithiviraj, Senior Project Engineer, Wipro Technologies, Bangalore. He explained about the VLSI System Design. The lecture was highly interactive and thought provoking with questions by the participants. The lecture was attended by faculty members, PG students.

Ms. THA. Sugapriyaa, IEEE Graduate Student Member thanked all who made the event a grand success.

Report by: Mr. S. Saravanan, AP/ECE, KSRCT, saravanans@ksrct.ac.in

The Role of the Teachers in the Teaching Profession

- **ACADEMIC:** Teaching UG/PG courses, Handling Laboratory courses, Guiding UG/PG student projects, Question paper setting and evaluation, Conducting Tutorials/Quiz/Seminars, Maintenance of record of class work/attendance/assessment, Suggest modifications in the curriculum/syllabus
- **R & D:** Pursue research (Ph.D) in the field of interest, Pursue Post Doctoral research, Publish/Present research findings in the Journals/Conferences, Supervise Ph.D/MS scholars, Secure funded projects, Establish Centre of Excellence
- **DEPARTMENTAL:** Purchase of new equipment, Maintenance/Repair of old equipment, Establishment of new labs, Conduct of stock verification, Arrange Industrial visits/tours/special lectures, Help in registration/enrollment, Arrange parent-teacher meeting, Helping the administration
- **EXTENSION:** Co-ordinate Professional society/Placement/Student hostel/Alumni/Career guidance activities, Organize/attend Short term courses/Seminars/Workshops/Conferences/Exhibitions/Open houses, Undergo industrial training etc.,

I tried my best to use my two and half decades of teaching/research/administrative experience to make the above list as comprehensive as possible. I am sure it will be of some help to young teaching professionals who would like to make a mark in their professional career.

Affectionate office bearer

T.Thyagarajan

Student Competition

UNDERWATER ROBOT-SAVe

Partner:
IEEE - Oceanic Engineering Society - India chapter

National Institute of Technology (NIOT), Ministry of Earth Sciences, announces a competition for students pursuing engineering degree to visualize and design STUDENT AUTONOMOUS UNDERWATER VEHICLE (SAVe). The focus is on developing innovative underwater water technologies needed for ocean observation. For details and submission please visit web site www.niot.res.in
A nation becomes great because of its wealth and resources. India always remains great not only due to its natural resources but also due to its sparkling and efficient young citizens. Global warming makes people disenchanted but concentrating research on green house effect, this problem can be alleviated. We have enough man power. Technical knowledge of Indians is respected all over globally, said Mr T N Sivakumar, Chairman, Electronics Control Corporation, Coimbatore in his inaugural address delivered at the IEEE Student Branch of Bannari Amman Institute of Technology, Sathyamangalam on Saturday the 21st August 2010.

Around 700 Students from 23 engineering colleges in Tamilnadu and adjoining states participated in the IEEE National Student Technical Conference. Mr R Karthikeyan IEEE Student Branch Chairman welcomed the gathering. Dr G Gurusamy Sr.M.IEEE and Student Branch Counselor enlightened the sense of belonging while a student enrolling as an IEEE Student Member and the enormous reputation of belonging while a student enrolling as an IEEE student. He said that by his participation in its activities, he brings in to himself and to IEEE organization the enormous reputation of belonging while a student enrolling as an IEEE student.

Dr A Shanmugam Principal of the college while felicitating the successful conduct of the two day Technical Conference lauded the ways in which IEEE is extending its helpline for the benefit of the young engineers. He said that by participating in the IEEE Programmes, the student members grow technically and professionally. The students on becoming the member of this global organization develop self confidence and personality skill by participating in the skill oriented programmes organized by IEEE every now and then.

The highlight of the conference was the technical paper presentation. Papers were invited from the students of engineering colleges all over India. There was overwhelming response for the conference as the committee received 250 papers. The review committee had a hectic task of selecting 60 papers which were presented in the four technical sessions on the first day of the conference. The separate poster presentation was conducted for another set of papers to avoid disappointment among the young students. Students were also invited to exhibit their project models and the best three projects were selected and awards were presented.

A Workshop on “Neuro Fuzzy Systems Applications” – a neural network study on par with human brain was conducted by Mr U S Ragupathy, Assistant Professor, EEE Department, Kongu Engineering College. A Logic on types and modeling of uncertainties and its control using fuzzy implementation was swiped through. Defuzzification also takes its turn along with this logic. Control of “Continuous co-polymerization reactor” a real time example of fuzzy logic made the life crisp. A set of fuzzy rules implemented using Matlab is gaining its prominence because of its efficient simplicity.

In the evening there was a relaxation game with Robots driving called Robomania was moved among the student faces as a technical contest. Control of “Continous co-polymerization reactor” a real time example of fuzzy logic made the life crisp. A set of fuzzy rules implemented using Matlab is gaining its prominence because of its efficient simplicity.

The second day of the conference began with a opening professional lecture by Mr Anand Sharma, Chief Mentor IMS Learning Resources, Coimbatore. He stroked the audience by his inspiring speech: Life must have relaxation, but relaxation alone must not be the life. Individuals need to realize the cost of energy depleting behaviors and then take responsibility for changing them regardless of circumstances they are facing. Most of the team leaders squander the time with ineffective planning only to realize a short fall later. Time Management techniques must be sincerely adopted. Personality is a package of you. Not only speaking in English gives your personality a high score, but the way of communication that matters. IEEE helps in a “change of collective behavior” that provides effective time management and personality skills. After all success depends on the knowledge that you acquire in life.

Then various technical contests like E – Fusion, Brahma & Embryo and Quiz were conducted for the students and best three places were selected in each contest. At the end of the day the Student Branch Counselor Dr G Gurusamy gave away the prizes to the winners. The function ended with the vote of thanks proposed by Mr S Jayaprakash, Chairman, Student Technical Conference.

Report by Dr G Gurusamy, hodeee@bitsathy.ac.in

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<th>Section Membership as on 15th September 2010</th>
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<tr>
<td>Life Fellow</td>
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<td>Fellow</td>
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<td>Life Senior</td>
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<td>Total</td>
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Inauguration of IEEE Student Branch at M A M College of Engineering

In his inaugural address Dr. Suresh Chander Pal encouraged the students to actively participate in various activities of IEEE. He wanted the students to be innovative. He enlightened the students to make self evaluation of their own strengths and weaknesses and asked them to develop their self confidence and acquire various skills, viz., leadership, communication, project management skills etc., by joining IEEE and excelling in studies and extra-curricular activities.

Dr. M. A. Maluk Mohamed, Principal of the college, in his presidential address, expressed happiness in fulfilling his long felt dream of starting IEEE student branch at MAMCE. He also expressed his desire and request for establishing a separate IEEE sub-section with student branches of the Colleges located in Trichy and congruent areas. There are 80 engineering colleges affiliated to Anna University of Technology, Trichy. He encouraged the students to utilize the IEEE resources effectively. He said initiatives will be taken to increase the student membership strength to 500 by Dec 2010.

The principal officers of IEEE student branch were introduced by Mr. R. Joshua Arul Kumar, S.B. Counselor. Various committees were constituted by the chief guest and there was enthusiastic response from the students. The session was interactive and very useful. S. Sriram, S.B. chairman presented the annual plan of activities and M. Rubiya, Treasurer, thanked the gathering. The IEEE Student members agreed to launch their Student Branch Website and Newsletter and start the WIE Affinity group, during the next fortnight.

IEEE Student Branch Inauguration at College of Engineering, Guindy

The inauguration of the IEEE Students Chapter, CEG Campus for the year 2010 took place on 9th Aug 2010 at Maxwell Auditorium, Dept. of ECE, College of Engineering, Guindy.

The chief guest for the program was the Vice Chancellor of Anna University, Prof Dr. P. Mannar Jawahar who had kindly consented to preside over the function. The dais was shared by several dignitaries such as the HOD/ECE, Dr. N. Kumaravel, the Dean / CEG, Dr. M. Sekar, the treasurer of ECEA, O. Uma Maheswari and the special guest, the Chairman of IEEE Madras Section, Dr. T. Thiagarajan.

There event was also had the participation of HOD/EEEE, Dr.M.R. Mohan, HOD/CSE, Dr. K.S. Easwarakumar, HOD/Dept. of Physics, Dr.K. Sivakumar and the staff members and IEEE members of the Dept. of ECE.

The program began with the lighting of kuthuvizhaku followed by the welcome address by Dr.N. Kumaravel, HOD/ECE. Later, the chief guest, Prof. Dr. P. Mannar Jawahar, the Dean, Dr. M. Sekar and the special guest Dr. Thiagarajan addressed the gathering.

All the dignitaries stressed the importance of having an active student chapter and remembered the vibrant activities of the student chapter when it was in full swing ten years ago. A proposal to bring in all the students belonging to various departments under the IEEE roof was mooted. Other methods to strengthen the IEEE student branch were also suggested. There was also a small session wherein the office bearers of the IEEE Students Chapter, CEG campus were introduced.

The vote of thanks was given by the treasurer of ECEA, and counselor, IEEE Students Chapter, Dr. O.Uma Maheswari. The inaugural event was a grand success.

Report by: C. Nagarajan, Secretary, IEEE SB, CEG

Guest Lecture and Quiz at M. Kumurasamy College of Engineering

A guest lecture on ‘Career Growth in Embedded Systems’ was conducted on 21st Jul 2010 by the IEEE COMSOC in association with the ‘EMINENCE Association’, Dept. of ECE of M. Kumurasamy College of Engineering, Kurur for the benefit of IEEE members.

Shashi Kiran, K, Technical Lead, E pro Technologies (I) Pvt. Ltd, Bangalore conducted the session interactively and explained well from the alphabets of embedded systems to its recent trends. Many real time applications were explained on the basis of embedded system so as to make the students think innovatively on day-to-day applications. This guest lecture was mainly helpful for the final year students planning to do their projects in the field of embedded systems.

Along with this guest lecture, an inter-departmental quiz, 'The SIXTH SENSE' was also conducted. Students participated actively and were ever eager not only to answer the questions but also to keep them stuffed and updated.

The month of July was packed with lots of activities by the student branch chapter and proved its active participation within a within a very short period of inaugural.

Report by: Mr. Parthiban. S, Chairperson, IEEE-COMSOC, s.parthi03@gmail.com

Visit our Website www.ewh.ieee.org/r10/madras
C. Provide the answer.
C1. ——— is the latest US state to ban spending of Govt. money in outsourcing IT jobs.
C2. ——— is the science of applying touch sensation and control to interaction with computer applications.
C3. Which is called the “three-fingered salute”
C4. In a multimedia context, the practice of saving streamed data as a file is known as ———
C5. ——— is the deliberate alteration of an e-mail address online with the intent of making the address unusable for web-based programs that build e-mail lists for spamming purposes.

D. Provide the answer.
D1. Commonwealth Games are held once in ——— years.
D2. After Delhi in 2010, the next Commonwealth Games will be held in ———.
D3. ——— is the mascot of the XIX Commonwealth Games 2010 at Delhi.
D4. ——— is the theme song of the XIX Commonwealth Games 2010 at Delhi.
D5. The CWG 2010 at Delhi is estimated to cost about ——— crores.

E. Provide the answer.
E1. Kabaddi is the state game of Tamilnadu, Andhra Pradesh and ———.
E2. Find the odd man wrt Commonwealth nations. Canada, India, China, Singapore.
E3. The animal ——— is associated with the game Polo.
E4. The game kilikiti is one form of ———.
E5. ——— is the hunting of hares, rabbits, and occasionally foxes with beagles.

Guidelines to submit the answers to the Info Contest by email.
In the subject,
- Write the Contest No. (Info Contest – 1009) in the subject line.
In the body of the mail,
- In the first line, write the contest No: Info Contest – 1009
- In the second line, write your membership no.
- In the third line, write your email id.
- In the fourth line, write your name.
- In the fifth line, write your college / organization name.
- In the sixth line, write the answers to the five questions of Section A, separated by comma.
- In the seventh line, write the answers to the five questions of Section B, separated by comma.
- In the eighth line, write the answers to the five questions of Section C, separated by comma.
- In the ninth line, write the answers to the five questions of Section D, separated by comma.
- In the tenth line, write the answers to the five questions of Section E, separated by comma.

As the evaluation of the entries is automated, pl. ensure the above guidelines are followed.

Email the answers to: hrmohan.infocontest@gmail.com
The last date to receive the answers by email is 5th Oct. 2010.

Info Contest – 1007
Answers & Winners

Answers:
Ada Lovelace, Grace Hopper, Frances E Allen, Twitter, “I’m Feeling Lucky”,
Samsung, paper mill, Zain, Egypt, True, Hyderabads Cherlapally Central Jail, Epic, cadabra.com, Dvorak, web ring,
Vuvuzela, Deloitte, Flyer, Car Racing, Badminton, Devanagari Ra, South Africa, False, Krona, piastres.

Winners:

Mr. P. Sivaram Krishna
Sri Venkateswara College of Engineering
Mem No.: 90679655
Email: sivaram1247@gmail.com.

Mr. Rohit Bothra
MNM Jain Engineering College
Mem No.: 90702970
Email: bothrarohit@gmail.com.

Both the above will be awarded a prize of Rs. 500/- each. LINK acknowledges with thanks the sponsorship of the awards by SRA Systems (www.srasystems.com).
Student Chapter Inauguration & Technical Seminar at Kumaraguru College of Technology

INAUGURAL FUNCTION:

The IEEE inaugural function at Kumaraguru College of Technology was conducted on 17th July 2010. The programme started with a prayer song and lighting of the lamp. Prof. Rani Thottangal, HOD of EEE Dept welcomed the gathering. Mr. Ramachandran, Principal enlightened the students about the importance of an association and its objectives.

N. Giridhari, Secretary of EEE association proposed the activities and functions to be conducted in the academic year 2010-2011.

The Chief Guest was Mr. George Alexzander, General Manager, Lakshmi Technology Ltd, Coimbatore who had took part in the production of 2nd stage engine of PSL V and also had his hand in the Russian Strategic Technology Transfer Programme. He spoke to the students on the various aspects of association, how it will help to improve communication and soft skills. He shared his experiences about an industry’s part in the scientific development, which inspired the students to explore both the industrial and scientific activities.

Ms. Aarthi, Joint Secretary extended her gratitude to the Chief Guest and thanked the gathering.

TECHNICAL SEMINAR:

A seminar on “Microcontrollers made Easy” was conducted on 17th Jul 2010 by Mr. Ragavendra, IIT alumni who is the representative of the innovation company Li2-innovations. He explained the need for implementing the theory into the practical. He interacted with students and inspired them. He showed some of the company’s products (HEXAPOD, ELECTRONIC EYE, etc...) which are so innovative and motivated the students to come up with many questions about building the microcontroller based projects. He extended the technical support by the open source product of his company, ARDUINO which is available in arduino.cc, which can be easily used by the students. The seminar was very informative.

Project / Paper Contest at CIET

CIET - IEEE Student Branch had organized a one day Project / Paper contest for the II, III and IV Students on 7th Aug 2010. Mr. B.Saravanan, IEEE Student Branch Counselor inaugurated the contest by welcoming all the participants and judges.

In total, 11 Projects and 36 Papers were submitted for the contest. A team of faculty evaluated all the submitted projects and papers. Finally 5 Projects and 20 Papers were selected for presentation. The presentation took place on 7th Aug 2010 with 5 judges namely Prof. S. Narmadha, Associate Professor & HOD / Dept. of CSE, Prof. B. Kaarthik, Associate Professor / Dept. of ECE, Mr. S. Praveen Chakkravarthy, Senior Lecturer / Dept. of ECE, Ms. C.V. Pavithra, Senior Lecturer / Dept. of EEE and Mr.A.M. Manjunath, Lecturer / Dept. of IT.

The students were given 10 minutes for the presentation, 5 minutes for the question and answer and another 5 minutes for demo (if any). At the end of the presentation, the following 3 batches of students were selected and given cash awards.

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<tr>
<th>Sl. No</th>
<th>Name of the Student</th>
<th>Project / Paper Title</th>
<th>Prize</th>
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<tr>
<td>2</td>
<td>Karthikeyan. A</td>
<td>CFLS Embedded System Using Programmable System on Chip</td>
<td>II (Rs. 1000/-)</td>
</tr>
<tr>
<td>3</td>
<td>Gowtham Raaj.R</td>
<td>Adaptive Brain – Computer Interface Navien Krishnaa.D</td>
<td>III (Rs.750/-)</td>
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</table>

New Member Orientation Programme at SKCET

IEEE student branch of Sri Krishna college of Engineering and Technology, Coimbatore, conducted ‘IEEE New Member Orientation’ on 03rd Aug, 2010. This programme gave an overview of IEEE membership and benefits of being a student member.

IEEE student branch faculty advisor, Mr. N. Krishna Prakash welcomed the new members and conveyed the greetings of the branch counselor Prof. Muthuraman Ramasamy. He stressed the importance of being an active member of the student branch and its benefits in enhancing the skills of the students. He insisted the IEEE eligible voting members to participate in the forthcoming IEEE annual election to elect IEEE President-Elect 2011 and IEEE Region10 Director–Elect 2011.

The new members took oath on the code of ethics of IEEE. 40 student members including 20 new members participated in this programme.

Report by: Mr N Krishna Prakash, krishnaprakash@ieee.org
Inauguration of IEEE Student Branch at S.A. Engineering College

The IEEE student branch of S.A. Engg. College, Thiruverkadu was inaugurated on Wednesday, 11th Aug 2010. Dr. P. Suresh Chander Pal, Chairman, Students Activities Committee, IEEE Madras Section, was the chief guest and also inaugurated the student branch. The event commenced with invocation song. Dr. P. Murugesan, Head of EEE Department welcomed the gathering.

Mr. P. Venkatesh Raja, Director, motivated the students by his brief talk, sharing his views on the keys to success. The Principal, Dr. S. Sayambazhahan encouraged the students to join IEEE, describing the primary objective of obtaining the profound knowledge with the help of IEEE Student Branch.

The Chief Guest Dr. P. Suresh Chander Pal delivered the inaugural address, stressing the need for the students to keep in pace with the competitive world through cultivating the mandatory skills like communication skills, project management skills and leadership skills. He also highlighted the benefits of being the members of IEEE. He nominated the office bearers Chairman, Vice Chairman, Secretary, Treasurer of IEEE Student Branch and the Committee Chairpersons for Program, Publicity, Newsletter, Website, Membership, Women in Engineering Affinity group etc. While offering felicitations on the starting of the Student Branch, at this College, he welcomed the whole-hearted support and encouragement given by the Management and the faculty. He requested faculty to start IEEE Student Branch Society Chapters in various engineering disciplines, with the blessings and support of the Management.

The interactive session with the students was very lively and it was nice to witness the overwhelming enthusiasm displayed by the Students to join IEEE in large numbers. Mr. Ramanan, final year ECE delivered the vote of thanks.

Guest Lecture at M.P.Nachimuthu M.Jaganathan Engineering College

The Inauguration of Electrical and Electronics Engineering association and IEEE student branch of M.P.Nachimuthu, M.Jaganathan Engineering College for the academic year 2010-2011 was held on 23rd Jul 2010.

Mr. V. Sankaranarayanan, Addl. Chief Engineer (Retd.) and External Faculty of PCRA, Government of India inaugurated the function and delivered inaugural address. In his address he explained about the new technologies involved in power generation and job opportunities related to Electrical Engineering. Correspondent Tmt. Vasanth Sudhanandhan presided over the function. Adviser Dr. T. Shanmugam and Principal Incharge Prof. S. Shanmuga Sundaram offered their felicitation.

A guest lecture on “Gas Insulated substation” was also delivered by the Chief Guest in which he explained different types of substations and their functioning. He advised the students to visit substations and understand the concepts practically. Prof. P. Selvan HOD/EEE welcomed the gathering. IEEE Student Branch Counselor, Mr. D. Sabapathi introduced the Chief Guest. Association Secretary Selvan. M.aveen Prasad proposed the vote of thanks.

The arrangements were made by Head of the Department Prof. P. Sevan, Association coordinator Mr. P. Manikandan in association with all the students of EEE department.

Seminar on “Applications With Oracle 9i – Database” at AVIT

IEEE Computer Society Madras Chapter, Association of Information Technology

IEEE Computer Society Madras Chapter, Association of Information Technology Engineers and Dept of Information Technology, Aarupadai Veedu Institute of Technology organized a One Day Seminar on APPLICAIIONS WITH ORACLE 9i – DATABASE on 26th August 2010. Mr. S. Srinivasan, Associate Professor (IT), AVIT and Ms. R. Jenefer Sofia, Lecturer (IT), AVIT focused the importance of Oracle 9i - Database with its applications.

Dr. (Mrs.) N. R. Alamelu, Principal, AVIT delivered the presidential Address. Dr. A. Anthony Irudhayaraj Dean (IT) AVIT welcomed the gathering and briefed the importance of Database.

The Seminar covered a wide range of topics in the field of ORACLE 9i-DATABASE. Faculty members and students from the Department of Information Technology attended the sessions. Mr. C. Karthikeyan Head of The Department (Information Technology) delivered the Vote of Thanks.
FERRET ’10 at Kongu Engineering College

“FERRET-10”, an interdepartmental function for the IEEE members was organized by the IEEE student branch of Kongu Engineering College on 19th August 2010.

“FERRET-10” was a hang-on package of talents, enthusiasm, knowledge, innovation and fun. Preliminary rounds were conducted for the various competitions from and the selected students were shortlisted for the finals. The one day function began with prayer song at 9:00 a.m. The function was declared open by Mr. Pannambalam, IEEE staff coordinator.

The events for the day started with “Audio Visual Hunt”. It had various rounds like Memory game, Audio Visual Round, Identifying ads which was a test to the student’s spontaneity, general knowledge, reasoning and shrewdness.

The next event was “Debate” which was conducted between the short listed teams of six members each on the topic “Indians are INVENTORS or FOLLOWERS”. It created a feel of being in a battle field with instant cheers from the audience.

The day geared up with the excitement for the event “Creativity”, which was more about the students’ creative ability with its rounds like “ping pong” and designing using ice cream sticks.

Activities at M. Kumarasamy College of Engineering

The IEEE student branch of M. Kumarasamy College of Engineering had conducted a program on “Innovative Ideas” on 10th Aug 2010. The welcome address was given by Ms. P.Soundharya of pre-final EEE department. IEEE members of various departments have participated in innovative activities. To start with, we had conducted the programme named “how stuff works” in order to assess the skill of participants.

In technical dumsharad event which followed, technical terms were identified by the participants base on their actions. Next to that the innovative topics were given so as the participants could to express their creative ideas on the topics.

The first prize was won by L. Poornima and M.Ragavi of pre-final year EIE and the second prize by P. Maheshwary and A. Subha of pre-final year EEE. At the end of the programme, vote of thanks was given by T. Sangeetha of EEE department pre final year.

Other events held in Jul & Aug:

A Guest Lecture by Mr. B. Nagarajan, Asst. Plant Engineer from Tamil Nadu Newsprint Paper Limited (TNPL) on “Role of Instrumentation in Industry” was organized on 9th July.

A Guest lecture by Mr. Vamsi Krishna Rao and Mr. Vijay Krishna Rao, engineers from Power Research Development Corporation (PRDC) on “Power System in INDIA” was organized on 14th July.

APT-sparkle workshop on personality development and communication skills program was conducted by Mr. Krish and Ms. Mirdula on 16th and 17th July to pre-final IEEE members.

It was followed by “Treasure Hunt” and “Situation Handling” which focused on enhancing the “Crisis Management” skills of the students. In Treasure Hunt, students were given a clue based on which they have to find the next clue to reach the final treasure. In Situation Handling, students were given a situation on the spot and they were given thirty seconds to think, and one minute to speak as to how they will react in the particular situation.

After the lunch break, various on the spot events like “Traffic Jam” and “Cognizance” were conducted which enhanced the management and strategic planning skills of students.

The next contest was “Quiz” which has various rounds like “X-Factor”, “Bethovan Buzz”, “Misc” that were quite informative even for the non-participants.

It was followed by “Marketing” which manifested the spontaneity and the ability to blend communication skills with humour. It gave an excellent finish to the function.

On the whole, “FERRET-10” was a one day fun-feast and an innovative platform for the students to excel in every ground.

Technical quiz was conducted on 19th July to final year IEEE members.

One day industrial visit to Mettur Thermal Power Station on 28th July was arranged for pre-final IEEE students.

Seminar by Mr. Ramakrishnan, Microsoft Student Partner who is pursuing Final CSE gave the interactive seminar on the topic “IBOX” on 31st July.

Guest Lecture by Prof. K. Jeyaraman Chief Mentor and ICET competency developer on the topic “Industrial Automation” on 5th August 2010 for IEEE members of EEE and EIE department.

Report by: P. Soundharya

IEEE COMSOC Web Page Design Contest
IEEE Communications Society Madras Chapter is organizing a Web Page Design Contest for its own webpage. The Contest is open for all students. Selected web page design will be recognized suitably.

Interested Students may contact Mr P Subramanian, Secretary, IEEE COMSOC Madras Chapter, Mobile: 98405 99754, Email: ieee.comsoc.madras@gmail.com
Workshop on Cloud Computing

A three day workshop on Cloud Computing was jointly organized by the IEEE Computer Society, Madras, Chapter, and Computer Society of India (CSI) Div IV on Communication, Chennai Chapter and Special Interest Group on Distributed Systems (SIG-DS) during 18-20, Aug 2010 at IIT Madras, Chennai.

This workshop, provided a platform in which experts from top notch organizations that are rewriting computing history such as Yahoo, Google, HP, IBM, Amazon, HCL, TCS, Hitachi, Netmagic, VMware, Novell, CSS Corp, Ramco, Trend Micro, Cognizant, Zscaler and Zoho shared their experiences and demystified the various aspects of cloud computing.

The workshop started with an inaugural session in which Mr. H.R. Mohan, Chairman, Div IV of CSI & IEEE CS welcomed the gathering and narrated about the genesis of the workshop and highlighted the overwhelmingly positive response of the cloud vendors and delegates in supporting this workshop. He also gave an outline of the activities of CSI & IEEE CS in popularizing the new technologies. Prof. D. Janakiram, Chairman, SIG-DS, CSI, in his address spoke about the activities of the special interest group on distributed systems. Mr. Ramesh Gopalaswamy, Chairman of the programmes highlighted the session details of the three day workshop and the goal of the workshop to provide both the business and technology perspectives of cloud computing.

Mr. P.W.C. Davidar, IAS, Principal Secretary for Information Technology, Govt. of Tamil Nadu, in his inaugural address said that cloud computing presents opportunities to all sections of IT users and added that the State government is very much interested in the concept of cloud computing where storage and processing are distributed over a network. But some key problems including security of the data, the pricing, sustainability and the legal framework for data access from a country different from the country of its origin needed to be resolved, he said. The government is planning to launch some key IT solutions including a Labour Department application which would enable both the government and the private sector easy access to labour resources throughout the State, he said.

Mr. S. Mahalingam, CFO & ED, TCS, in his keynote address said cloud computing as a technology had already “arrived” but its business implications needed to be understood. While hardware, software and networking solutions all would benefit from the arrival of the technology, the creation of an Intellectual Property regime and a legal framework were also important, he added.

Dr. M.S. Ananth, Director, IIT-Madras, in his presidential address said the institution is divided on the issue of whether cloud computing would benefit the institution. Noting that NPTEL videos on YouTube are seeing the most hits in the country, he said cloud computing in its various forms could help the education sector.

The sessions of the workshop started with an overview presentation on “Cloud Computing Landscape - Opportunities, Challenges & Way Forward” by Mr. Pari Natarajan, Co-Founder & Chief Executive Officer, Zinnov Management Consulting Pvt. Ltd.

The following other sessions spread over the three days of the workshop dealt with the various aspects of the cloud computing concepts and practices
- Large Scale Distributed Infrastructures (using Hadoop): Mr. Chidambaran Kollengode, Director Cloud Computing, Yahoo! India R&D
- Developers, Testers, and Students: The cloud is ready for you right now!: Mr. Gaurav Lochan, Staff Engineer, VMware.
- Everything as a Service: HP’s Cloud Computing Vision & Strategy: Mr. Hemanth Thalak Dattareya, HP.
- Smarter Clouds on the Horizon: Mr. Subram Natarajan, Country Manager, Deep Computing & Systems Solutions Center, IBM.
- Private Cloud - A win-win for an organization: Mr. Jayabalan, S, CTO and Co-Founder, Netmagic Solutions
- Agile Cloud Infrastructure for a Sustainable Future: Mr. Sunil Chavan, Director, Software Group & Cloud Solutions, Asia Pacific, Hitachi Data Systems
- Security Challenges in the Cloud: Mr. Anuj Khandelwal, Technical Consultant-South India, Trend Micro
- On Demand ERP on Cloud: Mr. V.S. Sundara Raman, Chief Architect, On Demand ERP, Ramco
- Developing a multi-paradigm platform for the Cloud: Mr. Sundar Mudupalli, Associate Vice-President, Enterprise Transformation Services, HCL Technologies.
- Build your Cloud using Intelligent Workload Management: Dr. P.K. Mishra, Principal Consulting Architect, Novell.
- CloudTestGo Platform: Mr. Ramakrishnan Sitaraman, Director Testing Practice, CSS Corp
- Next generation work on cloud: Mr. Raj Bala, CTO, Cognizant
- Cloud Computing for the SME: Mr. Hyther Nizam, Product Management Director, Zoho
- Research Directions in Cloud Computing: Dr. D. Janakiram, Prof. Dept. of CSE, IIT Madras
- Security Issues in the Cloud Environment: Dr. M. Sasikumar, Director (R&D), Centre for Development of Advanced Computing (CDAC)
Guest Lecture at Anand Institute of Higher Technology

The IEEE student’s branch organized a Guest Lecture followed by IEEE inauguration for the year 2010-2011 at Anand Institute of Higher Technology on 31st Jul 2010. Dr. T. Thyagarajan, Chairman of IEEE, Madras Section & HOD/Instrumentation Engineering, MIT Campus, Chennai was the chief guest. The function was started with lighting of kuthu vilakku by the chief guest. The welcome address was delivered by Dr. T. A. Raghavendiran, Principal. The chief guest was introduced by Dr. L. Premalatha, HOD/EEE.

Dr. T. Thyagarajan spoke on benefits of IEEE and various activities that can be utilized for students level in worldwide. He delivered an enthusiastic lecture on “Effect of Reverse Response and its Control Measures” used for relays design and lectured about the design of mathematical modeling of relays in interactive manner. He provided an overview of several techniques used for intelligent control and challenging industrial application domains where these methods may provide particularly useful solutions. This lecture was a resource for those in the early stages of considering the development and implementation of intelligent controllers for industrial applications. The focus was on giving the main ideas that have been found most useful in industry. Examples of how these methods have been used were given, and references for further study were also provided.

In addition, a complex intelligent control system, where the goal is to achieve autonomous behavior, was summarized. He further explained in broad terms how to go about applying the methods to challenging problems. After final discussion, he summarized the advantages and disadvantages of the approaches and discussed comparative analysis with conventional control methods. The event concluded with vote of thanks followed by national anthem.

Workshop on “Computer Networks” at CIET

CIET - IEEE Student Branch had organized a half day workshop on “Computer Networks” for the benefit of IEEE student members on 21st Aug 2010. Mr. B. Saravanam, IEEE Student Branch Counselor introduced the Chief Guest Mr. R. Naveen, Network Engineer, Core Network Solutions, Coimbatore.

Mr. R. Naveen explained various topics like OSI model, TCP/IP Model, the difference between them, Protocols used in each layer. He also explained the various networking devices and their operations. Further, he showed a demo indicating how the packets are routed from one network to another network.

At the end of the programme, the student participants asked queries and got their doubts cleared. Certificates have been issued to all the participated student members.
IEEE Computer Society Activities

An one day free seminar on “Access to Knowledge” for IPR professionals, librarians, information & communication technology professionals, research scholars and library & information science students to discuss on IPR, Copyright law, problems in access to knowledge was organized on 31st Jul 2010 to create awareness among the community and spread deliberate on the access barriers, impacts on violation of the IPR, open source materials etc. The IEEE CS joined with Consumers Association of India, Madras Library Association (MALA) and Computer Society of India, Chennai Chapter in organizing this seminar

A talk on “Challenges of ERP Implementation in SME Companies” by Mr. K. R. Natarajan, Director, Integreatz ERP India Pvt. Ltd, Chennai was jointly organized by IEEE CS & CSI Chennai on Saturday, 14th Aug 2010. In his talk, Mr. Natarajan said that SME segment of the Industry cannot think of an ERP package as the cost of the packages is prohibitively high for them and also the implementation time of any ERP package is normally around 10 months to one year which SME segment cannot afford to spend that amount of time. He added that to meet the needs of this type of industry a small affordable package with one month implementation time is devised by Integreatz ERP solution which covers all the functions right from the receipt of Sales Order to the delivery of the product providing an interface with any popular small Finance packages. He briefed on the challenges faced - in conceiving the requirements of this type of industry, designing, testing, customizing to a limited extent, implementing, training the people & sustaining the product. Mr. H.R. Mohan, Chairman, IEEE CS welcomed the gathering and highlighted the need for integrated applications for the sustainability of the SME segment. Dr. P. Sakhthivel, Chairman, CSI Chennai Chapter introduced the speaker and at the end of the talk, Mr. G Ramachandran, Fellow and Past Vice President of CSI presented a memento to Mr. Natarajan.

A talk on “Intelligent Robots” by Dr. N. Natarajan, Associate Prof. of E&CE, Univ. of Michigan, Dearborn, USA was jointly organized by IEEE CS & CSI Chennai on Wednesday, 25th Aug 2010. The talk provided a broad overview of intelligent robots with examples of what is the current state of the art. The talk also addressed on what the professionals in the field can do to include intelligent robots at a very early stages of ones educational experience starting at the elementary schools (1-5th standards), middle and high schools (6-12th standards) and beyond. Mr. H. R. Mohan, Chairman, IEEE CS welcomed the gathering and highlighted the growing importance of the Robotics. Dr. P. Sakhthivel, Chairman, CSI Chennai Chapter introduced the speaker and at the end of the talk, General A. Bala Subrahmaniam, Fellow and Founder Secretary of CSI presented a memento to Dr. Natarajan.

Seminar on “Soft Computing Tools For Medical Diagnostics” at Jayaram College of Engg & Tech

IEEE student branch of Jayaram College of Engg & Tech organized a seminar on “Soft Computing Tools For Medical Diagnostics” for the benefit of students on 18th Aug 2010. Dr. N. Sivakumar, Asst. Prof., Dept. of Instrumentation and Control Engg., National Institute of Technology, Trichy, presided over the program. IEEE Student members participated in the program.

Dr. N. Kannan, Principal & Branch Mentor delivered the presidential address. Welcome address was given by IEEE Student Branch Chairperson Mr. S. Sriram, and then he had also introduced the Chief Guest.

Dr. N. Sivakumar presented a broad overview on new computational techniques in the field of computer science, artificial intelligence, machine language, and many other applied and engineering areas. He emphasized that IEEE will be the best launch pad for the young engineers in their future real life projects and also stressed the IEEE’s importance on professional ethics.

At the end, vote of thanks was given by IEEE student branch vice chairperson Mr. S. Dinesh Kumar in which he extended his gratitude on behalf of all who had attended the program.

This Program was organized with the support of the branch mentor and principal, Dr. N. Kannan and branch counselor Mrs. A. Kavitha, Asst. Prof., Dept. of ECE.
Seminar on “Static Timing Analysis” at Francis Xavier Engineering College

The IEEE Student Branch of Francis Xavier Engineering College organized a seminar on “Static Timing Analysis” on 27th Aug 2010. The resource person was Mr. R. Selvakumar, AP, M.S. Ramiah School of Advanced Studies, Bangalore.

About 30 students and seven faculty members participated in the seminar. The session commenced with a welcome address by Mr. G. Raja Kumar, Faculty Advisor of M.E., VLSI Design. The Student Branch Counselor, Mrs. M. Selvi, HOD/ECE, introduced the speaker Mr. R. Selvakumar. The Presidential address was given by Dr. T.V. Ganesh Babu, Dean-R&D, SCAD.

The group of institutions and then began the brainstorming session over the topic.

The program was aimed to provide the importance of timing requirement in ASIC Design. The topics covered include timing terminologies, steps for STA and maximum frequency calculation. The speaker also presented a brief introduction about the EDA tools used in industry for STA. The resource person also explained the openings for VLSI engineers in various areas of industries such as full custom design, semicustom design, testing and verification.

The seminar was very interactive and received excellent feedback from the participants. As the session gave perspective details about the industrial application of VLSI Design, the students found the session had met the academic-industrial gap.

The program ended up with a vote of thanks by Mr. J. Mervin, Chairman of IEEE Student Branch.

Report by: M. Chitra Evangelin Christina, IEEE Student Branch Vice-Chairman.