
Vol. 11 No. 03 June 2014

Message from Chairman



Dr. N. R. ALAMELU

25th July 2014

Esteemed Members,

Greetings,

This news letter is getting published during the time a good number of students are stepping into the professional courses of their choice. This is also the time when the membership of the student community in IEEE picks up momentum.

I request the student branches of IEEE to organize activities enthusiastically with a focus on nurturing creativity and innovation. All the industries look at professionals with an innovative mind and spirit of lifelong learning.

The R10 International Conference on Humanitarian Technology is fast approaching with the schedule of 6th to 9th August 2014 at Hotel Hilton, Chennai. Number of contests for students have been planned during the conference. Based on the requests from various members, the registration fee for the conference has been highly subsidized. This should enable the participation of more delegates in the truly international event and to be benefited out of the rich experience.

We look forward good number of participation from the student delegates for the contests and participation from others in the conference.

WISHING YOU ALL THE VERY BEST

Your Affectionate Office Bearer

Message from the Editor



Dr. S.ARUMUGAM

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The Colleges are reopened after summer vacation and students are busy with academic and other co-curricular activities. Many IEEE student branches are not vibrant and they are not conducting activities. I request all the student branch Councillors to take some initiative to conduct programs under IEEE STUDNET BRANCH. I request all the Student Branch Councilors to report the activity conducted.

The R10 International Conference on Humanitarian Technology is scheduled to be conducted from 6th to 9th August 2014 at Hotel Hilton, Chennai. I join with the Chairman in inviting you to attend the conference.

Dr.S.ARUMUGAM

1. Orphanage Visit (06.04.2014)

Student members of IEEE visited at The Salvation Army Children Home on 6th April. groups. The members entertained the children with games and plays, on experiencing which, they were delighted beyond bounds. The members wished to bestow the children with something that would permanently exist with them, and knowing that food alone wouldn't satisfy this, educating the children about Higher Education, various day to day issues, the developments over years etc was necessary. Upon the promise of rewards, the children were imposed questions related to what they were taught and the ones who responded well were rewarded. The children were gifted with stationery items.

Reported by: Shilpa Bharathan, IEEE SMIT COMSOC, bharathanshilpa@gmail.com

2. Motivational Program for First year Students (01.03.2014)

IEEE SMIT SB conducted an awareness program cum Motivational talk for the 1st year EEE students. Mr. Joseph William, Student Branch Counselor has given an introduction about IEEE. Ms. Grace Sadhana, Chapter Advisor, PES detailed about the achievements and benefits gained by the present members and what more the new members can gain from IEEE. Mr. Chellai gave a brief explanation about IEEE. He shared all the experiences that he gained in attending IEEE conferences, networking, the scholarships, awards, and funds. Ms. Jayashree spoke about achievements of Women wing in IEEE. IEEE and WIE the students were encouraged with some fun activities like ice breakers conducted by Mr. Sashank and Mr. Vimal. Mr. G.K. Vignesh gave an idea about **POWER AND ENERGY SOCIETY** which is going to be started in the college soon. Queries Session was conducted by Ms. Sandhiya.

Reported by: Sashank.S, Treasurer, IEEE SMIT SB-61411.

3. Membership Retention Program and Membership Awareness Program

The Program was inaugurated by Mr. Joseph William, Student Branch Councilor of IEEE SMIT SB. The Program comprised of Introduction to IEEE, its payment, membership benefits and awards, along with IEEE Volunteers sharing their experiences in participating various National Level IEEE events such as All India Student Congress, All India Computer Society Student Congress and Grace Hopper Celebration of Women in Computing. Students from EEE, ECE & CSE and IT department attended the program and they have shown interest in joining IEEE.

Reported by: Vignesh G.K., vignesh.gk.1994@ieee.org

4. Lecture on How to Write a IEEE Paper (04.02.2014)

Mr. Joseph William , Student Branch Counselor, IEEE SMIT SB welcomed the gathering. Prof. Janaki , Head of the Department , EEE gave keynote address. Dr. R.M. Suresh , Principal, Sri Muthukumaran Institute of Technology gave a brief introduction on steps involved in writing a paper / Journal and criteria for selection of area interest for the project and the format of writing a journal. He also dealt with the way of presentation, way of writing and simulating the proposed project. He also explained about his works and his published journals and shared his experience of preparing a journal paper. The process of publishing the journal paper and receiving the copyrights and patents was presented. Mrs. Kalaiselvi, Assistant Professor, EEE Dept. proposed vote of thanks. The participants of the event gave a positive feedback which was an encouragement for conducting more activities by the Student Branch.

Reported by Chelliah.R, Volunteer, IEEE SMIT SB61411

5. Workshop on Servicing of Home Appliances

(17.01.2014 and 18.01.2014)

Workshop began with the welcome note by Ms.Jayashree, followed by Principal's Address and HOD's Address. The workshop began with an introduction to the home appliances, the manufacturing process and defects in the electrical and electronic goods. The students of II and III year were given theoretical information. They were trained on servicing mixer grinder, Water heater & Fan, table top grinder, Iron Box and Induction Stove. Teams were split up and were asked to design an emergency lamp and to service the defected appliances. The workshop gave a clear cut knowledge on the testing methods of the defected appliances and how to handle and replace the coils in the appliances.

Reported by: Sashank Srinivasan, Volunteer, IEEE SMIT SB-61411

6. Workshop on Higher Education and Employability Skills

(13.03.2014)

IEEE Computer Society OF Sri Muthukumaran Institute of Technology conducted the workshop. Mr .Santhosh Karnananda who formerly worked at Google and presently the Founder and Director, MyGRE & MyGMAT exams, was the chief guest. He explained about how to improve the Employability skills and various ways to choose a perfect career and to come up in life. He also delivered a session on "How to learn 1000 words in English". He gave a fleeting explanation on how the GRE & GMAT exams would help the students to do their Higher Education. He also explained on how to earn money by making use of the OFF-BEAT Courses.

Reported by: Mr. P. Vinod Sharma, Volunteer | IEEE CS SMIT

7. White Talks on 'E-Ball: The concept PC'

(01.03.2014)

Dr. S. K. Muthusundar (HOD CSE Department) was the chief guest. Ms. Vaidesvari explained that The concept pc would make its impact in future with its astonishing new features. The E-Ball concept pc don't have any external display unit, it has a button when you press this button a projector will pop and it focus the computer screen on the wall which can be adjusted with navigation keys. If there is no wall then it has a paper sheet holder that divides into three pieces like an umbrella just after popping up, and it will show desktop on the paper sheet. Ms. Mariselvi gave a brief description on the software interface of E-Ball concept pc which is highly stylized with icons that can be remembered easily. It supports all type of windows operating system. E-Ball concept pc is easier for making video presentations, listening music, watching large screen movies, and chatting on the net. Finally the participants had got cleared with all their queries and the student with the best queries was remunerated with IEEE goodies by the host. Mr. Prasanth gave vote of thanks.

Reported by: Mr. P. Vinod Sharma, Volunteer | IEEE CS SMIT

8. White Talks on 'Secrets of Hacking'

Ms. Anisha and Ms. Amina Thoufiya Shahul, of 2nd year CSE, gave the white talks on 'Secrets of Hacking'. In their presentation, they explained about the types of hacking, what are all the ways to hack others systems etc. They performed many hacking tricks in front of audience with the help of the appropriate tools. The chief guest of the event Dr. R. M. Suresh, Principal, SMIT. He appreciated the presenters, for their efficient way of describing the hacking effects.

Reported by: Mr. R. Arunagirinathan, Treasurer | IEEE CS SMIT

9. White Talks on 'Android OS and applications'

(25.01.2014)

Mr. Vasanth Kumar of 3RD Year CSE Department presented the paper. He explained about how the Android had made its impact on people and drew attention. He explained the method of developing an app and uploading it on play store. He also gave a brief description on how apps are generated using SDK.

Reported by: Mr. P. Vinod Sharma, Volunteer | IEEE CS SMIT

10. White Talks on 'Office 365'

Mr. Vinod Sharma 2nd year CSE dept, presented a talk on Office 365, a Microsoft product. He gave an introduction about office 365 using cloud. Its uses, benefits, how it was developed, how to use that product by students and professionals, its policies, were all explained by him.

Reported by: Vaishali Ravindran, Volunteer | IEEE CS SMIT

11. Path to Success

(20.01.2014)

A survey was conducted with 23 questions all about the student's aim, career choice and capabilities. A presentation was given by Mr. M S Balaji on "Importance of getting a job". He talked about the current scenario in the world regarding job opportunities with statistical data. "Job options for ECE" was also presented by him. Mr. Mohammed Zahir gave a presentation on the tools and technical languages that are to be learnt for various jobs. He explained the need of joining various value-added courses during their course in engineering. A presentation on "Levels of Interviews" was given by Mr. Suraj Jain. He presented the levels of an interview and explained in detail, about the expectation by the recruiters. The tips and experiences that were shared by him helped the pre-final year students in gaining more confidence and courage to face the interview. Mr. Maheswaran shared his success story of being placed in Infosys. He explained about stress handling during interviews and ways of salvaging situations during interviews.

Reported by: P S Ramprasath, ramprasath@comsoc.org

12. Workshop on Embedded System

(21st & 22nd February, 2014)

75 participants from various student branches across the section actively participated. Workshop included Importance of learning Embedded System, basics on Microprocessors and Microcontrollers, Programming on Assembly level and C language, Practical sessions on LED, 7-Segment & LCD displays, Switches, Sensors, Matrix & Scrolling displays, GSM & UART and Motors. Mr. M.Suraj Jain, Chapter Chairman welcomed the gathering. Prof. D.Shanthi Chlliah gave the inaugural address. Dr. R.M.Suresh, Principal, SMIT elucidated the importance of organizing a skill development program. Mr. Ramprasath spoke on Importance of the workshop and the need to learn Embedded System. Theoretical concepts were explained. Hands on training was given on Switches & Sensors and DC motors.

Reportedby: P.S. Ram prasath

13. Workshop on Graphic Design Using Photoshop

(18th January 2014)

Ms.Padmapriya, IEEE Student member welcomed the gathering. Dr.R.M.Suresh, Principal emphasized on the importance of the workshop. He highlighted the importance of being a member of professional society like IEEE. The agenda of the workshop was given by Ms.Jayashree, IEEE Student member. Mr.Balaji, Chairman - IEEE SMIT SB, elucidated the tools and features of the Adobe Photoshop. Mr.Suraj Jain, Chairman – IEEE COMSOC SMIT explained 3D design, a presentation printing types and design of Banners, invitations and Brochures.

Reported by: Padmapriya.K

14. Guest Lecture on Fibre Optic Communication and Recent technologies in Telecommunication

(20thFebruary, 2014)

Prof D.Shanthi Chelliah., HoD gave the inaugural address. Mrs. Anandhi from BSNL gave a guest lecture on “Recent Technology in Telecommunication”. She explained about many valuable technologies that are used in present era including broadband technology and its features. Mr.Parthiban from BSNL gave a guest lecture on “Fibre Optic Communication”. He described the current scenario in the fibre optic communication and its importance in various kinds of communication. He also differentiated the usage of copper wires with fibre optic wires in communication process and the advantages of using the fibre optic wires over copper wires. The vote of thanks was given by Jayashree, IEEE student member.

Reported by: Divakaran.K

15. ONLINE EVENT ON BRAIN PLUNGE

(7th April 2014)

The event consisted of a brain plunging quiz testing the technical and communication skills of the students. The quiz was for 90 minutes and it comprised of 45 questions from both technical and non-technical syllabi. Circuit identification, deriving circuits comprised the technical questions whereas Basic English Communication skills were tested through non-technical questions. ‘Derive circuits’ was a new type of quiz which tested the student’s capability of deriving many circuits from a given base circuit. Learning through comparison has always been the key method to remember things easily. By taking the quiz, the students compared the circuits and derived as many as circuits they can. Circuit Identification was another part of the quiz where students had to solve puzzles to get a circuit and were asked to name the circuit. Commonly confused vocabularies were put up in the non-technical part where students had a tough time to choose the best answer.

Winners: 1. Gowtham.K – ECE 2nd year 2. Gnanasekar.S – ECE 2nd year

Reported by: Aswin Kumar

Jeppiaar Engineering College

Spark’14 (22nd June 2014)

IEEE Women In Engineering Affinity Group of Jeppiaar Engineering College organized a section level online quiz Spark'14. This event was conducted to test the basic technical skills and aptitude of the IEEE student members. Around 35 members from various colleges participated. It was a 10 level event and the participants who scored the highest score were declared as the winners. The contest was won by Tamilarasan, Jeyapriya and Joanse Nithin Riju who got first, second and third place respectively.

Reported by: J.B. Jennifer Florence, Secretary, IEEE WIE Affinity Group

KONGU ENGINEERING COLLEGE

IEEE INAUGURAL REPORT (27.06.2014)

The inaugural function of IEEE Student Branch-29741 along with the WIEaffinity group of Kongu Engineering College was conducted on 27th July 2014. Prof.K.Narayanan-Branch coordinator of IEEE welcomed the gathering. Prof.S.Kuppuswami-Branch counsellor of IEEE appreciated the work done in previous year and encouraged the new office bearers to follow the same and to bring some innovative ideas which will add value to the society. Ms.V.R.Saraswathy, Staff coordinator introduced the office bearers for the year 2014-2015. The year plan for IEEE was proposed by Mr.S.Venkatesh, Chairman – IEEE and the year plan for WIE was proposed by Ms.R.SubaKeerthana - Chairperson – WIE. The Chief Guest Mr.S.BalaSundar, Senior scientific officer, Indira Gandhi Centre for Atomic Research, Kalpakkam gave a lecture on the topic “Nuclear Power Perceptions and realities”. In which he mentioned the status of power production and necessity of Nuclear Power Plants in India. The vote of thanks was given by treasurer of the student's branch Mr. V.Vetriyvel.

S.K.P Engineering College

Ingruation of IEEE-CIS Student Branch Chapter

Workshop on “Computational Intelligence with Engineering Applications”

IEEE-CIS Student Branch Chapter of SKP Engineering college has organized the Inauguration of IEEE-CIS Student Branch Chapter cum One-Day National Workshop on “Computational Intelligence with Engineering Applications” on 17th April 2014 with 64 participant at SKP Engineering college. Dr.N.Kumarappan, Professor of Electrical Engineering, Annamalai University, Chair, IEEE CIS Madras Chapter has inaugurated the function and Mr.M.Venkateshkumar, Assistant Professor, EEE Dept, Sathyabama University, Secretary, IEEE – PES & GOLD Madras Section has been the guest of honour.

Welcome address was delivered by DR.R.K.GNANAMURTHY Principal S.K.P Engineering college. DR. MANJU.A, Student branch chapter advisor and Head of department of Embedded System Technologies introduced Computational Intelligence Society chapter with the list of office

bearers. Dr.C. Kumar Director- Academic felicitated the function with a brief introduction about of the chief guests.



Dr.N.Kumarappan, Chair,IEEE CIS Madras Chapter delivered the inaugural address, followed by a technical presentation on “Artificial Neural Network in Applied to Enginnering”. Starting with general introduction of the biological neuron, the necessity of Neural Network and its various types along with its training algorithm using matlab implementation have been presented. Mr.M.Venkateshkumar , Secretary, IEEE –PES & GOLD, Madras Section presented a technical note on the topic “Hybrid Neuro Fuzzy System”. Various types of neuro fuzzy hybrid modules and types are discussed with a brief introduction about the Fuzzy system in the beginning. “Concepts of OPTIMIZATION” has been dealt by DR. MANJU.A STUDENT BRANCH CHAPTER ADVISIOR. Definition of Optimization with its correlation between real world problems and solving them using various algorithms are dealt. The introduction is followed with an insight on Quatum inspired Firefly Algorithm. Laboratory session on Neural network and Fuzzy logic toolboxes with a real time example is provided using MATLAB to enable the participants to get a hands on experience.The Program was concluded with a vote of thanks by Ms.Rubiya.A, member of IEEE-CIS Chapter.

Reported by: Dr N Kumarappan, Chair, IEEE CIS Madras Chapter andMANJU.A , HOD/ Embedded System Technologies, IEEE CIS STUDENT BRANCH CHAPTER ADVISOR,

KNOW THE PERSON

Dr. Murugesan Ponnaivaikko graduated in Electrical Engineering from Guindy Engineering College in 1969 and obtained his M.Sc.(Engg.) in Power Systems from the same institution in 1972. He received his Ph.D. degree in Optimal Distribution System Planning from I.I.T.(Delhi) in 1983. He started his career from Tamil Nadu State Electricity Board in 1972, immediately after completing his P.G. degree programme. From there he moved to different organisations including Indian Institute of Science (Bangalore), Southern Regional Electricity Board (Bangalore), Bharath Heavy Electricals Limited (New Delhi) and Rural Electrification Corporation (New Delhi) from 1972 till 1984. In 1984, he was deputed to ECCO (Electrical Construction Company), Libya as an Advisor and Secretary to the Board. After serving for 2 years at that capacity at ECCO, he moved to the Higher Institute of Mechanical and Electrical Engineering, Hoon, Libya as a Visiting Professor. He made commendable contributions to the community as Vice-Chancellor at Bharathidasan University 1995 till 2000. From July 2000. He served as the Director, at the level of Vice-Chancellor at the Tamil Virtual University from July 2000 till August 2003. From September 2003 he was serving as the Director, Research and Virtual Education Directorate at the SRM University till June 2007. From July 2007 he was serving as the Vice-Chancellor, Bharathidasan University, Tiruchirappalli, Tamil Nadu till July 2010. He is at present the Vice-Chancellor, SRM University. He has also served as Member of the Sub-Committees constituted by UGC & AICTE for improving the standard of Higher Education in the Country. He was Vice-Chairman, IEEE Madras Section, for two terms, 2004, and 2005; and Chairman, IEEE Madras Section, for two terms, 2006, and 2007. Presently he is serving as Chairman, IEEE India Council.

For Private Circulation

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Newsletter of the IEEE Madras Section
Vol. 11 No. 03 :: June 2014

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