Message from Chairman

Dr. N. R. ALAMELU

Esteemed Members,

Greetings from the executive committee members of the Madras Section

The academic year has commenced for academic members especially for the students. At this juncture I would like to emphasize the technical and financial support provided by the section for the active student branches to make them more dynamic. The section would support the technical events like Workshops, Symposia, Seminars and Conferences. These programmes organized under the banner of IEEE should have a very high quality and there cannot be any compromise on the quality. The organizing committee of the conferences must ensure that there is no plagiarism in the papers to be presented in the conference. It is mandatory that the student branches will have to apply well in advance as per the norms in the prescribed format and after completion of the event necessary documents also will have to be submitted to the section.

I also would like to state that guest lectures organized through student branches cannot be funded by the section. The student branch counselors are also suggested to conduct more number of student centric activities - cording contests which would prepare the students for participate on contests like- XTREME. They will also make the students more confident preparing them industry ready.

I wish all the student branch members a very active year

Your Affectionate Office Bearer

Dr. N. R. ALAMELU

Message from the Editor

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I am happy to write editorial for the May issue of IEEE MAS LINK. I join with Chairman in extenting a welcome to the new acadmic year. We need to be vibrant in conducting various activities through IEEE. IEEE Madras section is supporting student activities and the activity must be a standard one. We live with ethics and it must be followed in academic. Plagarism is one of the most important evil existing in acadehmic community and we must fight to eradicate plagarism. We must initate our students to publish quality work. In USA 2,66,119 graduated with Bachelor's degree in 2014. Graduates with engineering and technology got the top employment of 82.9% and Computer science got 73.2%. Salary wise engineers tops the list. This is clear indication of employment for our country also. Engineering graduates need not worry about employment and they have concentrate on aquiring skills and knowledge for employment. IEEE is serving in helping the engineering graduates to sharpen their knowledge. Please make use of IEEE and get benefited.

KNOWLEDGE INSTITUTE OF TECHNOLOGY

Discussion on IEEE Spectrum

IEEE Student Branch conducted a discussion session on IEEE SPECTRUM MAGAZINE ANALYSIS on 12th and 19th March. Ms.R.Nithya, IEEE SB Faculty in-charge explained the importance of IEEE spectrum. Every member of SB voluntarily shared their ideas on different topics namely "Heat Propagates as a Wave in Graphene" and "Graphene Makes Copper Nanowires Useful for Flexible Displays" IEEE SB members updated their knowledge on various fields and current trends. Mr. M.Bharanidharan, SB in-charge motivated the members for their active participation.

IEEE Student Branch conducted a discussion session on IEEE SPECTRUM MAGAZINE ANALYSIS for IEEE SB memberson 9th April.. Ms.R.Nithya, IEEE SB Faculty in-charge explained the importance of IEEE spectrum. Every member of SB voluntarily shared their ideas on different topics namely "Graphene Finds Its Path in Super capacitor Commercialization". IEEE SB members updated their knowledge on various fields and current trends. Mr.M.Bharanidharan, SB in-charge motivated the members for their active participation and the session ended as great inspiration for sharing of knowledge

Valedictory for Department Association (INTEC)

The IEEE Student Branch and Department of Electronics and Communication Engineering organized the Valedictory function for INTEC association and also arranged a Guest Lecture on "Digital Revolution" by .Mr. M.RAVICHANDRAN, Senior Manager, L&T Technology Services, Chennai, as the resource person.Dr.PSS.Srinivasan, Principal, Dr.K.Visagavel, Vice Principal, Dr.N.Santhiyakumari, IEEE Counsellor, HOD/ECE, felicitated the function. The chief guest gave detailed information about digital revolution and the recent trends. He also gave few tips about placement and the company requirements from engineers.

Program for First year ECE Department Students

The IEEE Student Branch and Department of Electronics and Communication Engineering organized a program on "APPRECIATION ON ACTIVITIES OF BETTER COMMUNICATION CLUB" on 20th April 2015. Various activities were conducted for the students and certificates were distributed for the participants. Dr.PSS.Srinivasan, Principal, Dr.K.Visagavel, Vice Principal, distributed the certificates for the participants. Dr.N.Santhiyakumari, IEEE Counsellor, HOD/ECE, has felicitated the function.

Report by: Hemalatha.R, IEEE Student member.

SCIENCE DAY

IEEE Student Branch celebrated SCIENCE DAY on February 28th2015.The theme of the day was "SCIENCE FOR NATIONAL BUILDING". The event was coordinated by Miss.Ahila C.P of third year EEE department. The meeting was presided by IEEE Student Branch Coordinator Prof. A.DarwinJose Raju, IEEE Student Branch Counselor Prof.J.Bright Jose and IEEEStudent Branch Chairman Mr.B.Sharath. IEEE code of ethics read by Miss Aishwarya Rani U of third year IT.and Miss. S.L. KrishnaPriya of third ECE welcomed the gathering. IEEE SBcoordinatorProf. A.DarwinJose Raju gave the presidential address. He explained about the benefits of being an IEEEmember. He also informed about the financial aid given by IEEE to promote the potentials of students. He mentioned how the students could involve in different activities of IEEE and can improve their overall personality. Also he suggested the students to develop self-confidence and leadership qualities. He gave few ideas for the career of students. The speech on SCIENCE DAY was given by Miss.JebaTharisini of third ECE. She started with the history behind science day. She explained about the purpose of celebrating science day and the significance of scientific applications in our daily lives. A quiz competition was conducted. The first round was on"basic scientific principles", the second round was on"daily science" and the third round was the "GOOGLE-DOODLES",which included several doodles of Google.Finally, a round named "FIND AD" was conducted and the students were asked to find the name of the advertisements by viewing the video clips. The prizes were given to the winners and runners. Finally, members took a pledge to try to provide the basic knowledge of science among people. The science day programme concluded withthe vote of thanks by Miss JuniaTryphosa P of third IT.

Reported by: C.P. Ahila.

WOMEN'S DAY

 IEEE Student Branch celebrated WOMEN'S DAY on March 7th2015,in which nearly 40 members mostly girls participated.The theme of the day was "**MAKE IT HAPPEN**". The event was coordinated by Miss.Amanda George Pereira and Miss. R.Blessie Jannat of third year CSE department. The meeting was presided by IEEE Student Branch Counselor Prof. J.BrightJose. The Chief Guest of the meeting was Ms.A.Arthi,Systems Engineer,Infosys Limited, Trivandrum. IEEE SB Vice Chairman Ms.Agnes Miriam and the WIE Chairman Ms.GeethuSree participated. The code of ethics read by Miss Mary Femina.N of 3rd year ECE.The welcome speech was given by Miss.Amanda George Pereira of third CSE.

 Then a very thoughtful mime show based on "WOMEN'S EMPOWERMENT" was performed by our IEEE students. The mime portrayed the situation prevailed in 2000 and the scenario that will be present

in 2020. The mime also suggested that all girlsshould to learn to protect themselves through self defense techniques.   A speech on WOMEN'S DAY was give by Miss.A.Arthi. She spoke about the importance of women's day and how women's day came into existence. She explained the role of women in our society. She mentioned how the women could involve in different activities. Also she suggested students to develop self-confidence and leadership qualities to be seen different in a crowd. IEEE SB Counselor Mr.J.Bright Jose gave the Presidential address.He quoted the importance of hardwork and a few experiences from his life that boosted him to reach his goal. A special speech was given by Ms.AgnesMiriam,IEEE Student Branch Vice Chairman.She explained her life in IEEE and encouraged us to participate in all the Student Branch activities. Ms.GeethuSree ,IEEE-WIE Chairman also spoke. She mentioned about the difficulties that every one has to face in achieving the goal and how one should overcome them. A Quiz competition was conducted. The first round was based on First women achievers in India; the second round was based on "who iswho" and the third round was "who said these words" which included quotes of famous personalities and they have to identify who said those words.Many students actively participated in these events and prizes were given to the winners and runners.The vote of thanks was proposed by Ms.KrishnaPriya.S.L. of 3rd year ECE .

Reported by: R. Blessie Jannat

SYMPOSIUM ON GREEN TECHNOLOGY
&
IEEE STUDENT BRANCH VALEDITORY FUNCTION 2015

IEEE Student Branch organized a Symposium on "Green Technology" and the valedictory function on 11th April 2015. The Code of Ethics, read by Ms. T. Riya Benson of III ECE. IEEE WIE SB AG Chairperson Ms. J. R. Geethu Sree welcomed the gathering. The IEEE SB Annual Report was read by r IEEE SB Joint Secretary, Ms. N. Mary Femina. She mentioned all the milestones that our student branch has reached during the academic year 2014-2015. IEEE WIE SB AG Annual report was presented by IEEE WIE SB AG Secretary, Ms. M. V. Drishya. She reported all the activities of IEEE WIE AG for the year 2014 – 2015.Various competitions like paper presentation, project presentation, quiz and debate were conducted as a part of the symposium. Around fifteen teams presented their papers and projects related to the topics given. The winners and runners were rewarded. A quiz on general knowledge, personality identification and logo identification was conducted. Prizes were given to winners and runners. A debate on the topic "Should IT companies hire only IT students or not" was conducted. Both the teams battled out with their views on the topic through their words. The contestants of photo and poster contests were asked to submit their works through mail and the winners were selected based on their creativity. The Presidential Address was delivered by the Correspondent of the college Rev. Fr. A. Jesu Marian. He appreciated the IEEE for organizing various activities in IEEE. Felicitation was given by Dr. S. Joseph Sekhar, Principal.college. He made the students aware of the use of professional bodies especially IEEE and a brief note on the involvement of our college in IEEE. He also explained the importance of Green Technology. As an Alumni and a former Chairman of IEEE Student Branch,

And being an engineer in Infosys, his speech he ideas about our future and he also suggested few ideas for projects that aids humanity. Before his address, Ms. Vincy A Sariga of III IT gave a brief introduction about our Chief Guest. Our correspondent then gave a memento to our Chief Guest. Then, one of our final year IEEE members, Ms. M. S. Jenisha of final EEE shared her experience on IEEE during her college days. That speech brought to light, the involvement showed by our final year IEEE students towards IEEE activities.

Prof. A. Subitha, Faculty Advisor of IEEE WIE SB AG. explained the importance of Green Technology. She gave a brief report on the orphanage visit and village visit. She insisted that youth to involve in social activities along with their academics. Prof. J. Bright Jose, IEEE SB Counselor. encouraged students to go through his life experience and his involvement in IEEE in his college days. Prof. A. Darwin Jose Raju, our IEEE SB Coordinator gave the Special appreciations to Mr. B. Sharath and Mr. P. R. Vishnu for receiving the Prestigious Richard E Merwin Scholarship from IEEE Computer Society and also Ms. I. Agnes Miriam for her outstanding Activities in our Student Branch. Prizes were given to Active IEEE members and Certificates were issued to the Final year IEEE members and also to the winners of Paper contest, Project contest, Quiz, Debate, Poster contest and Photo contest. The Event concluded with a Vote of Thanks by IEEE SB chairman, Mr. B. Sharath.

Reported by: S.L.Krishna Priya

Dr.Sivanthi Aditanar College of Engineering-

SEMINAR ON CAD & CCNA

A seminar on "CAD & CCNA"was held on 12.09.2014 for second year and third year students of ECE department. Engineers from PENTACAD were called as the resource persons for the seminar. They evinced the AUTOCAD, ORCAD and CCNA along with a special idea about "The opportunities of Electronics in country" which enlightened the students to shine in their future.

POSTER CUM PHOTOGRAPHY CONTEST

A Poster Cum Photography Contest was conducted for the students of ECE department on 17-09-2014.The contest objective were to develop the student's engrossable presentation skills with miscellaneous ideas. Dr.D.David Neels Pon kumar, HOD/ECE and Mrs S.Selvi, Associate Prof/ECE acted as the judges for the contest. The judges scrutinized the quality and originality of the photos and their presentation skills. The winners of the best posters were

Poster Title	Winners	Prize
Motto of Engineering	V.Kottai Rani(III ECE B)	I
New ideas in Communication I	R.Sivaranjini P.Nanthini (III ECE B)	II
New ideas in Communication II	M.Divya Lakshmi, D.Frijit Raja Shanmathi(II ECE A)	III
Application of Digital Electronics	K.Anuciya,R.Kokila(III ECE A)	

TECHNO QUIZ

A technical quiz was conducted on 23-09-2014 for M.E VLSI students to stick up the talent among the active participants. Various rounds of Techno Quiz comprises of aptitude test, abbreviation, technical questions, circuit identification, technical word play and current affairs.The winners of the contest were S.Susitra and Arul Thilagavathi (I prize),G.Meshok Rajayah and M. Iruleshwari,(II Prize),S. Indhu rathi and D.Sindhuja(III Prize)

GUEST LECTURE

A guest lecture on 'Opportunities in Embedded system' was organized on 05-01-2015 for final year students of ECE department. Mr.R.Jeya kumar, Senior Engineer, Telit Wireless, Bangalore was invited as the resource person. He delivered a valuable lecture on various aspects of career opportunities in embedded field which really enlightened the mind of final year students to bring success in their career. A feedback session was arranged at the end of the guest lecture.

CIRCUIT DEBUGGING CONTEST

A Circuit Debugging Contest was conducted on 13-01-2015 for third year students of ECE Department.Two rounds were conducted. The teams were short listed at various stages of circuit debugging.

Finally three batches are selected.

Winners	Prize
S.Muthu Raj,R.Nirmal Ganesh,M.Seshan	I
M.Girish Pandian,M.Arun kumar,K.Ramasamy	II
R.Kavitha,I.Ishwarya,S.Pousia	III

GUEST LECTURE

A guest lecture on job opportunities in Networking was conducted on 29.01.2015. Mr.S.R.Krishnakumar, alumini of ECE department working in Accenture Technologies was the resource person. He gave ideas for the Final year students about the courses and job opportunities in the field of Networking.

MODEL GATE TEST

A model gate test for the Gate appearing students was conducted on 30.01.2015. Students from ECE and EEE department who are appearing for Gate exam had participated in the Test. The model Gate test was really useful for the students to have knowledge on their preparation for the Gate exam.

SEMINAR ON BENEFITS OF IEEE MEMBERSHIP

A one day seminar on "Benefits of IEEE membership" was conducted on 03.02.2015. Sixty IEEE student members of ECE department had participated in the seminar. Mr.T.D.Subash, Secretary/IEEE-YPS, Madras Section was the resource person for the seminar. He presented valuable information about the various benefits of IEEE membership which the student can explore.

GROUP DISSCUSION

A group discussion event for third year students of ECE department was conducted on 27.02.2015. The meritorious students who are preparing to face interviews in campus recruitment had participated in this event. Four different rounds were conducted for the students to explore their talents. Finally the best students were listed as prize winners. The details are as follows.

PRIZES	NAME
1st PRIZE	V. KOTTAI RANI
2nd PRIZE	E. RAM PRAVEEN
3rd PRIZE	R. SARAVANA KUMAR

Reported by: Dr.R.Manjith,Asso.Prof/ECE & Mr.VDM.Jabez Daniel,AP/ECE

NATIONAL CONFERENCE RAET'15

The fourth national level conference on RAET'15 (Recent Advances in Engineering and Technology) was conducted IEEE Communications society on 27th April 2015. Prof.D.ShanthiChellaih, Head of the Department, ECE welcomed the gathering. Dr.R.M.Suresh, Principal delivered the inaugural address and he explained the facts and importance about a national conference. The chief guest Smt. Nirmala Subramanian, Deputy General Manager, BSNL Chennai, enlightened the crowd with his vision on technological advances.Many knowledgeable ideas and information were shared by the Chief Guest. Iinteresting facts about the state of technology today was compared in contrast with that of the days dated thirty years back. Several hardcore truth about the points to be noted when the industry is taken into picture were explained.Around 40 participants from various engineering colleges participated .The participants shared their innovative ideas by presenting their technical papers. Mr.P.Gopalakrishnan, Assistant Professor of ECE Department delivered the vote of thanks.

Reported by: Mugilan.G.N.S

Matlab debugging

On 24th January 2015 a technical contest on Debugging in Matlab programming, was organized by the IEEE Communications society. 25 members of third year pursuing their Engineering Degree under the stream of Electronics and communication showed their active participation. The gathering was addressed by the esteemed Head of the Department Mrs.D.Shanthi chelliah.The event began am with the preliminary round where they were examined with the basics of Matlab through the multiple choice questions. heir performance were evaluated and the best performed participants were qualified for the pre-finals where the participants were asked to write a program in Matlab for real time applications.The best performed participants were qualified for the finals. The last round was **"Debugging in Matlab Programming"** conducted. The event had been guided and coordinated by Mr.R.Ramadoss, Assistant Professor of ECE Department.

Winner: Anandha Lakshmi yogeshwari of ECE third year.

Reported by: Mugilan.G.N.S

SSN COLLEGE OF ENGINEERING

Department of Bio Medical Engineering visited Sri Ramachandra Medical University on 25th of March 2015. The purpose of visit was to learn the concepts of diagnostic imaging and the imaging sciences that are a part of the curriculum. The event was co ordinated by Dr. V. Mahesh and Dr. S. Pravinkumar. 80 students participated. An overview of diagnostic imaging and imaging sciences was given by **Dr. S. Panneer Selvam**, Assistant Professor of Medical Physics. A brief introduction of the following areas was presented in this session: 1.Radiography [X-Ray]   a. Computed Radiography, b. Digital Radiography, c. Fluoroscopy and Image Intensifiers, d. Mammography. 2. Computed tomography [CT], 3. Magnetic Resonance Imaging [MRI], 4. Ultrasonogram, 5. Nuclear medicine, 6. Radioactive Waste Disposal, 7. PACS. An overview of the department was given by **Dr. Solomon**, Professor and Head, Department of Human Genetics. The presentation was about the various methods of dosimetry based on chromosomal aberrations. The following areas were covered: 1. Diagnostics: Molecular and Cytogenetics, 2. Gel Electrophoresis, and 3.Flow cytometer.

SSN College of Engineering, Kalavakkam 603 110

SSN- IEEE Student Branch Activities - From Jan 2015 to May 2015

STB60551- Sri Sivasubramaniya Nadar College of Engineering

S.No	Date	Event	Host Department	Co-ordinator	Tech/ Non-Tech	Seminar/ Workshop/ GL	Speaker
1	06.01.2015	Cyber Security and Forensics	IT (IEEE student chapter)	Dr.S.Chithra	Tech	Workshop	Dr.K.Subramanian, Dr.Muthukuran Balasubramanian, Mr.S.Karthikeyan
2	07.01.2015	Cyber Security	CSE (CSI/IEEE student branch)	Dr.Chamundesvari	Tech	Seminar	Dr.K.Subramanian
3	21.01.2015	IEEE-Workshop on Product Development and Risk Management	BME (IEEE student chapter)	Dr. S. Pravinkumar	Tech	Workshop	Mr. Shiva Alumni, BME, SSN CTO, NEOLIGHT LLC M.S. BME, ASU, USA
4	23.01.2015	Microsoft Tech Tour By SSN IEEE SB & JEC IEEE SB COMSOC	SSN (IEEE student chapter)	Students- Mr. R. R. Subhesh	Non Tech		SSN Students
5	23.01.2015	Electrical Drives for Defence Applications	EEE (IEEE student chapter)	Dr.R.Ramaprabha	Tech	Workshop	Mr. Mathivanan
6	27.01.2015	Carrier Development Workshop- How to think about your career?	SSNCE (IEEE student chapter & MTT-S)	Dr.R.Ramaprabha & Subhesh	Non-Tech	Workshop	Mr. Santhosh Karnananda (Founder & Director, MyGmat, MyGre and MeraEnglish.com)
7	24.02.2015	Guest lecture on "Recent Trends in Power System Protection"	EEE	Dr. V. Kamaraj & Dr.R.Ramaprabha	Tech	Lecture	Dr. K. N. Dineshbabu, GE, India
8	03.03.2015 & 04.03.2015	Workshop on Solar PV System Design	EEE	Dr. Ashwin Kumar Sahoo & Dr. R. amaprabha	Tech	Workshop	Steinbeis Solar Research Centre
9	06.03.2015	How do humans make dexterous movements: Some challenges in movement neuroscience	BME	Dr. S. Pravinkumar	Tech	Lecture	Dr. S. K. M. Varadhan, Assistant Professor, Department of Applied Mechanics, IIT Madras.

10	10.03.2015	Workshop on MatLab	EEE	Dr.R.Ramaprabha, R R Subhesh, Sakina M Motta, Gadapelli Sai Krishna Dillep	Tech	Workshop	Mr. J. Sreehari, Final year EEE, SSNCE
11	11.03.2015	Meeting & Workshop	BME	Dr. S. Pravinkumar & Mr. Saravana Prakash	Tech	Seminar	Mr. Hemnath, Final Year BME
12	21.03.2015	Entrepreneurship Seminar	ECE	Dr. K. T. Selvan, Mr. K. J. Jegadishkumar, Mr. S. Ramprabhu	Non-Tech	Seminar	Schedule
13	25.03.2015	Visit to Sri Ramachandra Medical college on 25-3-15.	BME	Dr. S. Pravinkumar	Tech	Visit	
14	31.03.2015 & 01.04.2015	Embedded Development Module using Labview	BME	Dr. V. Mahesh, Dr.S.Pravinkumar and Ms. B. Geethanjali	Tech	Workshop	Schedule
15	17.04.2015	The Fascinating World of Shock Waves	Physics	Dr. Pritha Nair	Tech	Talk	Dr. Chintoo S Kumar, Srushti Education Systems, Bangalore