Message from Chairman

Dr. N. R. ALAMELU

Esteemed Members,

Greetings,

I am sure that the student branches have received the first quarterly printed IEEE News Letter Mas link. IEEE Madras Section as one of the largest sections in the Region 10 is very keen on the membership retention. The section would also like to focus on elevation of the members from student members to Young professionals, Professionals to Senior members and so on. In order to achieve this section is focusing on the activities which would be useful to all the segments of the members. I am happy to state that the section organized a programme on internship preparations and entrepreneurship awareness which are the events coming under R10 India strategic initiative. Both these programmes were very well attended by the members concerned. The internship awareness programme gave lot of inputs to the students on preparing for internship. The entrepreneurship initiative was addressed by enthusiastic and a committed promoters of the startup organizations and was very well attended by students and also young professionals. All these programmes would benefit the members across the section through networking and also new avenues for engagement.

The Madras Section is planning to celebrate the IEEE Day on 10th October 2015 at Chennai. All the student branches are requested to celebrate the IEEE day with lot of creativity and innovation. These activities can be a month long celebrations starting from 1st of September 2015. The student branches are requested to report the IEEE Day celebrations to the section for publication in the news letter also for recognition by the section.

We would like to remind that the Madras Section is organizing and co sponsoring a Women Leadership Summit being held on 10th, 11th and 12 of September 2015 at Chennai

I am sure every student branch will have the pride of their association with this professional society and make best use of membership.

Your Affectionate Office Bearer

Message from the Editor

Dr. S.ARUMUGAM
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I am happy to write editorial for July IEEE MAS LINK issue. India's S& T personnel is estimated to be about 200,000 with four researchers per 10,000 compared to 79 for US and 18 for China. India spents 0.9 percent of GDP while Chine spends 2 percent of GDP for Rand D. On a avearage, in 2013 for every one million people India filed only 17 patents compared 541 by China and 4451 by South Corea. In 2013, India ranked sixth in the number of total research papers published, up from 12th in 2006. India published 102,753 papers contributing 4.36 percent of the global research output while USA tops with 22.72 percent. This gives a clear picture about our growth in Research and Development. Engineering educaton is undergoing a turmoil and has to be revamped. With an orientation towards research and development, our students must be trained to face the world with confidence.

Placement activities are started. Day one companies are visiting Institutions for campus placement. The companies look for graduates having good communication skills and fundamental knowledge in the subjects of study. Students are lacking in these areas. I request the fresh students who have joined in Engineering Institutions to practise communcation skills from day one. First year they are new to the higher education system. In the second year they start enjoying the College and fail in their academic performance. It has been observed that their will be dip in the performance in the second year. In the third year the placement fear will start. The students will spent time both in the academic performance and prepartion for placement. They will not be able to cope up with both actvities and many fail in the campus placement. I request the students to sart the preparation from day one and they will successfully come out in the day out. Best wishes for all the students appearing for camus placcemet.

SSN COLLEGE OF ENGINEERING, KALAVAKKAM 603 110

MatLab -Xilinx system generated Interface with hands on Practice

Department of EEE Organized a Workshop on **"**MatLab -Xilinx system generated Interface with hands on Practice" on June 26, 2015 *under the banner of IEEE student branch.* 32 members including UG, PG students & PhD scholars participated in the workshop. The gathering was addressed by Dr. R. Ramaprabha, Associate Professor, SSN-IEEE Student branch counselor. The event was co ordinated by Ms. Sakina M Motta and Mr. Gadapelli Sai Krishna Dillep. The speaker of the program were *Mr. J. Srihari*, *Mr. R. Srinath & Mr. A. K. Pandian (Alumini of EEE/SSNCE).* The hands-on training session includes the interfacing MatLab with Xilinx and generation of different pulses for power electronic converter circuits.

Reported by Dr. R. Ramaprabha, SSN-IEEE Student branch counselor

KNOWLEDGE INSTITUTE OF TECHNOLOGY

PROMINENCE OF EDA TOOLS AND ITS APPLICATIONS

IEEE Student Branch Department of ECE conducted a one Day National Level Workshop on "PROMINENCE OF EDA TOOLS AND ITS APPLICATIONS"sponsored by IEEE MAS on 3rd july 2015. Dr.PSS.Srinivasan, Principal, presided over the function and delivered the Presidential Address. Dr. K. VISAGAVEL Vice Principal, KIOT felicitated the gathering. Dr.N.Santhiyakumari, HOD/ECE welcomed the gathering. The Resource persons were Dr. N.Santhiyakumari, IEEE SB Counselor, Professor & Head / ECE, Prof. M.Shenbagapriya, IEEE SB Incharge, Assistant Professor / ECE, Prof. V.Saravanan, Associate Professor / ECE, Prof. P.ShanmugaSundaram, Assistant Professor / ECE, Prof. K.RAJESH, Assistant Professor / ECE.

The following topics Introduction to EDA tools, Importance of EDA tools, EDA tools in Academics & Industries, Introduction to Analog & Digital Circuits, Semiconductor Technology Roadmap, Demo and Hands on training in FPGASpartan 3E & Spartan 6, Demo and Hands on training inMentor Graphics were explained. The resource persons discussed about the importance of EDA tool and how it can be used to design and analyze the electronic systems. Faculties & IEEE Members from various Engineering Colleges attended the workshop and got benefited.

Digital Communication & Its Application

 IEEE Student Branch and INTEC Association of   Department of ECE conducted a guest lectureon RECENT TRENDS IN DIGITAL COMMUNICATION & ITS APPLICATIONS on 19thjune 2015. The Chief guest for the program was Dr. M.N. Suresh, Assistant Professor, Department of ECE, Thiagarajar College of Engineering, Madurai. He discussed about the new technologies in communication networks. He explained about the wire lines and wireless transmission using waves and also the function of space. He discussed about the height of the antenna and how it varies depends on wavelength and explained about frequency translation (Modulation).The session was very lively and the participants interacted with him by raising questions and the resource person answered them with keen interest.

C &C++

The IEEE SB in association with ECE department organized a non-formal course on "C &C++"during first week of June. The resource person was Boopathi raja and Sagul from vibha Training and Consultancy services. The basics of c and c++ were taught to students. They learnt how to work in these languages.

IEEE Professional Awareness Meet

IEEE Student Branch conducted a Guest lecture on "IEEE Professional Awareness Meet" on 20th June,2015 .The chief guest for the program was Dr.Chandan Kumar Sarkar, Chair, IEEE EDS,Calcutta Chapter, Chairman, IEEE Calcutta Section,Professor/ Department of ECE, Jadavpur University, Kolkatta. Dr.PSS.Srinivasan, Principal, presided over the function and delivered the Presidential Address. Dr. K. VISAGAVEL Vice Principal, felicitated the gathering. Dr.N.Santhiyakumari, HOD/ECE welcomed the gathering. The chief guest listed out various societies in IEEE and their benefits. He further emphasised benefits of the Electron devices society like they provides funding for Humanization, education and for public welfare and IEEE offers free online access to their members. It also offers discounted open access fees and network with EDS'S more than 10,000 members. These are the advantages while joining in this electron devices society chapter. He further discussed on the Recent Development in Nano Technology, Embedded Gate Dielectric MOS Non-Volatile memory" and elaborated its   advantages.

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Reported by:Hemalatha.R, IEEE Student member

KONGU ENGINEERING COLLEGE

SOCIAL AWARENESS PROGRAM -WIESHUIS

WIESHUIS, a society concerned awareness program conducted by WIE, affinity group of IEEE student branch on 5th July,2015 at Anbu Illam,Swami Vivekananda Trust,Tiruppur. It was conducted for the students of classes from 6th to 10th standard with a count of 150. The session started with a brief introduction about IEEE/WIE and its contribution for the society.After that the students introduced themselves. A drawing competition for the kinder garden students andessay competition for all other students was conducted in which they showed their hidden talents.An input session on their education perspective was carried out after finishing their board examinations in order to gain some knowledge about the future scope in various fields to shine in their life.During afternoon session, we gave some inputs for improving theirinter personal skills and shared some current issues prevailing around the world.Finally, the students were asked to give feedback about the session and the day ended successfully afterdistributing sweets to the children.

Reported by: P.NAVEENA,Secretary-WIE (IEEE SB-29741),

SPEC TALK REPORT

SPECTRUM DISCUSSION, a technical function was organized by IEEE – WIE student branch on 07.07.2013. The welcome address was given by Ms. Janani.K.S, Vice chairman-WIE.Th event started with the session on "Know More about IEEE", it was an interactive 45 min session, which was handled by C.Rajkumar, Chairperson-IEEE SB. Students were taught to access the conference publications, Job site, and IEEE GOOGLE apps. Students from various departments participated and enthusiastically andmany students asked questions regarding IEEE's societies and our IEEE SB.As the output of the session, students were explored to IEEE RESUME LAB and IEEE SIGHT. As the theme of the function was to create an awareness about IEEE SPECTRUM, students were realized the importance of

SPECTRUM Magazine. A session on Graphene Technology enlightened thebudding engineer's mind about Advancements made in the material Graphene and its application in various fields like Biomedical, Solar photovoltaic, Energy Storage, Composite Materials, Defense and Instrumentation with help of IEEE SPECTRUM.Students explained the technology, its properties and its advantage over the existing system in various fields. They briefly explained about Role of Graphene in making Highly Sensitive Magnetic Sensors. The vote of thanks was delivered by Mr.N.Venkadesh, treasurer- IEEE SB.

Reported by: S.M.SOUNDARRAJAN ,Secretary, IEEE SB-29741,

SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY

Industrial Visit to Infosys , Mysore

The IEEE Student Branch organized a technical tour cum Industrial visit to Infosys, Mysore for the IEEE Student Members of the Student Branch on 21st February ,2015. The event was primarily organized to achieve Industry and Institution Interaction for IEEE Student Members. The Visit to the Global Education Centre 1 & 2 of Infosys , Mysore Campus motivated and inspired the student members to set a goal and run towards achieving it. The explanation about the Growth of Infosys from a Start up to a Multi National Company was far way inspiring . The Explanations about the projects undergone in Infosys helped students to fix the area of interest and concentrate on it. The visit through the entire campus was highly motivating and inspiring which made the student members enquire about entering into the firm to work. The Industrial visit helped in networking between the Senior Student members and the Juniors which helped in beginning the new era of the Student Branch Volunteering.

Reported by: Vimal Raj S, Treasurer – IEEE PES SMIT

Workshop on Solar PV

IEEE Power and Energy Society – SBC61411C hosted a two day Workshop on Solar PV on 25th & 26th February 2015.The workshop was inaugurated in the presence of Dr.R.M.Suresh,Principal, Prof.G.Janaki , HOD , EEE Dept., Mrs.S.Kalaiselvi , Student Branch Counselor ,IEEE Student Branch , The workshop was handled by Mr.R.Chelliah & Mr.R.Rajesh Kannan, III year Students , EEE Dept.On day 1 of the workshop, the

basics and fundamentals of solar and solar panel design was covered and all the components of a solar off-grid plant was covered. On day 2 of the workshop , the design of off-grid system and implementation of off-grid tool was covered. The event gave a brief note and explanation on solar , the funds and supports available for R&D, benefits of solar and all the available resources for solar systems. The workshop created a wide awareness about Solar PV and Renewable Energy and importance of them to the student community. The event achieved a grand success by the submission of off-grid tool projects from the participants.

Reported by: Rajesh Kannan R, Volunteer– IEEE PES SMIT

Mock Interview

The IEEE Student Branch – STB61411 organized a Mock Interview for the III year students on 28th February 2015. The SB hosted the event in order to create the real heat of Job Interview among the Students who will be facing their placements in the 7th Semester.The event was inaugurated in the presence of Mr.Balaji Sheshadri, CEO, Surabee School of Electronics , Dr.R.M.Suresh, Principal, Thiru.A.Veeraraghavan, Administrative Officer, Mrs.S.Kalaiselvi ,Student Branch Counselor, IEEE Student Branch and HRs from TCS, Accenture, CTS and various other MNCs.

150 candidates participated in all the 4 rounds which include Aptitude Test, Communication Skills, HR Interview and Group Discussion. The HRs from various MNCs evaluated the skills of the candidates and gave them personal suggestions to make improvisations in specific areas. The Candidates were evaluated on all the 4 aspects and were given a brief evaluation sheet which included the points secured and other suggestions by each of the 4 HRs who assessed a candidate.The event achieved a greater success through the Panel Discussion with all the HRs in the valedictory function, where all the candidates had an opportunity to \interact with the

HRs and network with them to know the expectation of an MNC from a candidate. The Event was well planned and well executed by a team of 85 volunteers who made the event a great and grand success. The event brought in the fear inside every candidate and helped a lot in self evaluating and knowing an individual's skills and talents in and out of academics.

Reported by: Chelliah R, Secretary – IEEE SMIT SB.

GANAPATHY TULSI'S JAIN ENGINEERING COLLEGE

NATIONAL WORKSHOP ON CONTROL SYSTEM DESIGN FOR POWER CONVERTERS

The IEEE Power Electronics Society (PELS), Madras section and Department of EEE, jointly organized a one-day workshop on, " Control system design for Power Converters, March 31, 2015. Session-1 was handled by Dr.Mrunal Deshpande, Associate Professor, Dept. of EEE, SSN College of Engineering and she delivered a Lecture on "Introduction to Controllers and Sliding Mode control for Power Converters ". Session-2 was handled by DR.R.Seyezhai, Associate Professor, Dept. of EEE, SSN College of Engineering and she delivered a Lecture on, "Design of PI & Fuzzy Logic Controllers for DC-DC Converters". In the afternoon, Hands on Session on Control system design for Power Converters using MATLAB (Includes DC-DC Converter & Inverter) was carried out by Mr.A.Bharathi Sankar & Mr.M.Sudhakaran, Dept. of EEE. This was followed by a Lecture session on, " Hardware Demonstration of Power Converters & Gate Drive Circuits". Around 100 participants including UG and PG students participated in the workshop. The workshop ended with a validictory session and certificates were distributed for the participants.

JEPPIAR   ENGINEERING COLLEGE

TECH CRASHERS

IEEE Communication Society conducted the event "TECH CRASHERS - A technical Quiz" on 13th July 2014. The event started with a welcome note by the Chapter advisor and Head Of Department of Electronics and Communication Engineering, Dr.J.Venugopalakrishnan. Around 25 teams with each team containing three members participated in this event where the students were able to discover their technical knowledge and also their ability of problem solving and logical reasoning. The students were selected to the next level based on their performance. The students

actively participated throughout the event and they had a fun filled experience.

Reported by: **Akash Rajakumaran**

St. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING

The IEEE Education Society Student Branch Chapter conducted a session on" HOW TO MAKE THE MOST OUT OF THE IEEE EXPLORE DIGITAL LIBRARY "by Mr.DhanuPattanashetti,IEEE client services manager, Bangalore at the General Computing Lab on 19th June 2015. The event began with a Code of Ethics by Ms.N.MaryFemina, Final ECE, IEEE SB Secretary. Then the welcome speech was given by Ms.KrishnaPriyaS.L,Final ECE IEEE Education Society Chairperson.

The session was started by the speaker Mr.DhanuPattanshetti, IEEE client services manager ,Bangalore. Through his presentation he gave an overview of digital Xplore library. His presentation would help the participants to find the methods to get or filter out the best paper for research and projects. Making use of online resources seems to be a vain but his presentation made the participants to think about it.. The session was very interesting and interactive. The participants were given an opportunity to express their suggestions and clarify doubts even at the midst of the session. The speaker through his experience was calm answering every doubt. More than sixty participants took part. The participants included not only students but also the Faculties.The session was concluded by the Vote Of Thanks by Dr.C.Seldev Christopher, IEEE Education

Society Faculty Advisor. A Memento was presented to the Speaker by Mr.Bright Jose, our IEEE SB counselor.

Reported by: Krishna Priya S.L, IEEE EDUSOC SB Chapter ChairPerson,

SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY

. Workshop On Embedded Systems

One day workshop on Embedded Systems was organized by IEEE ComSoc for III year students on Friday, 10th July,2015   Mr.Parthiban,(Alumni 2012) Product Analyst, EPR Labs,Chennai served as resource person. He explained about the Core and Consulting companies and advantages of getting placed in Core companies like Apple, Intel,Google and so on. He explained about the Embedded system, Microprocessor and Microcontroller with good and innovative examples. In the afternoon section, he covered the topic How to make a product design with a microcontroller. He explained its features and pin diagram. He encouraged the students to write the program in Embedded C and Assembly Language Program(ALP).Practical section was conducted with separate batches, Traffic Signal with LED lights using microcontroller 8051 experiment was demonstrated. He showed some mini project videos which are done by ECE students.He listed out the domain under Electronics.. He motivated the students to get Placement in Core companies and also he encouraged them to do mini projects and Projects by own. Paricipants gained some innovative ideas and interest about the Electronics to do the Project by own in the final year.

Reported by: Susila.S, ECE 3rd YEAR.

BASIC ELECTRONCIS QUIZ

An online event on Basic Electronics Quiz was organized by IEEE COMSOC on 4th and 5th of July 2015. 15 participants from III year participated in the 2 day event. The event included the importance of Basic Electronics, Applications of Digital Electronics and Electronic Circuits. The participants were provided with the link http://quizegg.com/q/100000 which has 25 questions with a time limit of 20 minutes to answer the questions. By 5th, the event came to an end, and the students scoring the highest marks were selected as winners.
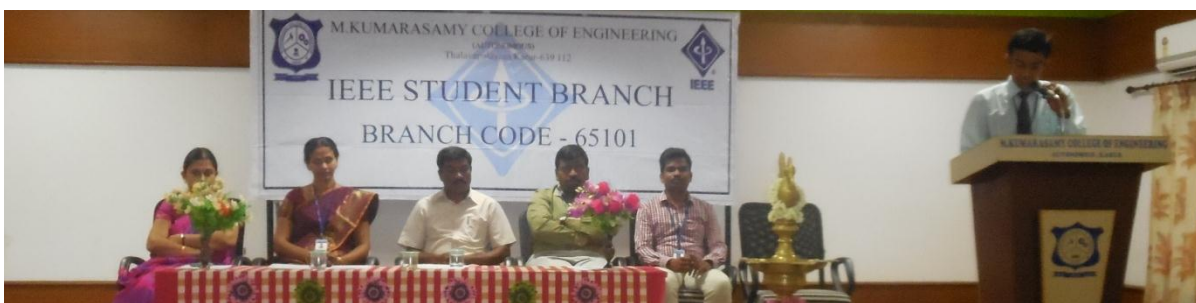
Winners list: I   Place: Patheepa,
              II   Place: Priyanga
              III   Place: Fathima Begum

Reported by:: Veerarahavan

KUMARASAMY COLLEGE OF ENGINEERING

IEEE STUDENT BRANCH-65101 INAUGURAL FUNCTION

The session begins with Lighting the lamp by The Principal incharge Dr.V.kavitha(HOD/ECE)and IEEE Mentor, Dr.S.Thilagamani (HOD/CSE) Branch advisor and Head of Dapartment Dr.K.Sundararaju. Welcome address was given by our IEEE Chairman Mr.Mohammed Azharudeen. .

HOD of EEE Department Dr.K.Sundararaju in his address highlighted the important features available in IEEE and what are the objectives of being an IEEE member.The Principal incharge Madam Dr.V.Kavitha had some useful interactions with the students. The . chairpersons and volunteers were introduced by IEEE Advisor Dr.S.Thilagamani (HOD/CSE).

The chief guest Er.A.Ganesan(Maintanance Manager of AMMA Alloys Private Ltd) ,coimbatore was introduced by Vice chairman of IEEE student Branch Mr.K.S.Ganesh. The chief guest of the session Er.A.Ganesan gave a brief note materials used in Electrical fields and their in real life The vote of thanks was given by Mr.P.RANJITH (IEEE SECRETARY).

GUEST LECTURE

Welcome address was given by our IEEE Chairman Mr.S.Mohammed Azharudeen.   Head of the Department Dr.K.Sundararaju gave a brief note about   What is the Use of Having this type of guest lectures The guest started his session on the topic of   "WHAT AN INDUSTRY EXPECTS". He briefly explained to

our students about what are needs does an industry expects from us and how we have develop our skills.V
ote of thanks was given by Ms.Harsha varthini of Final year. .

Reported by: Ma**ilvicky**

JEPPIAAR ENGINEERING COLLEGE

CAREER ENHANCEMENT AND CORPORATE BEHAVIOR

The IEEE student branch conducted a workshop on "CAREER ENHANCEMENT AND CORPORATE
BEHAVIOR". This event was open to both IEEE as well as non-IEEE members.

It was handled by Mr.Ignatius Stannis Santosh. The main aim of this workshop was to help the future
engineers in various aspects including profile building, goal setting and other outstanding career
opportunities. The event was divided into two halves. The first half comprised of a general talk by Mr.
Santosh on how to set goals and strive towards achieving them which set up the mood nicely for the next
half. The second part of the session the focus was shifted towards resume preparation and how to behave
appropriately in a corporate set-up. This was done in a hands-on manner, which made the students more
involved in the workshop and the whole event, more interactive. It was concluded with a vote of thanks.

Reported by: RajakumaranAkash K

SSN COLLEGE OF ENGINEERING, KALAVAKKAM 603 110

SSN- IEEE Student Branch Activities - For June 2015 & July 2015

S.No	Date	Event	Host Department	Co-ordinator	Tech/ Non-Tech	Seminar/ Workshop / GL	Speaker
1	26.06.2015	MatLab - Xilinx system generated Interface	EEE	Dr.R.Ramaprabha, Sakina M Motta, & Gadapelli Sai Krishna Dillep	Tech	Workshop	Mr. J. Srihari, Mr. R. Srinath & Mr. A. K. Pandian, Alumini/ EEE, SSNCE
2	03.07.2015	Technical meeting	BME	Dr. S. Pravinkumar	Tech	Meeting	Dr. S. Pravin Kumar, Dr. V. Mahesh and Dr. A. Kavitha
3	04.07.2015	Your projects - A Gateway to the Industry	BME	Dr. S. Pravin Kumar and Dr. V. Mahesh	Tech	Technical Event	Mr. R. Sri Logeshwaran, Application Developer, HCL Medical Devices Business Unit, Chennai
4	14.07.2015	Carrier Development Workshop- Learn 1000 words in 6 hours	SSNCE (IEEE student chapter & MTT-S)	Dr.R.Ramaprabha Gadapelli Sai Krishna Dillep & Sakina M Motta	Non-Tech	Workshop	Mr. Santhosh Karnananda (Founder & Director, MyGmat, MyGre and MeraEnglish.com)
5	14.07.2015	Health care Equipments	BME	Dr. S. Pravin Kumar and Dr. V. Mahesh	Tech	Technical Event	Mr .Jayaraman Kiruthivasan,Technical Consultant of Health Care Technologies and Innovation Centre (HTIC)
6	15.07.2015	Cicuit designing Event	BME	Dr. S. Pravin Kumar and Dr. V. Mahesh	Tech	Design contest	Students
7	17.07.2015 & 18.07.2015	Workshop on "Latex"	CSE	Dr. D. VenkataVara Prasad, Dr. J. Suresh and Mr. V. Balasubramanian	Tech	Workshop	Staff members of CSE-SSNCE
8	23.07.2015	Guest lecture on "Soft Switched Converters"	EEE	Dr.R.Ramaprabha & Ms. S. Malathy	Tech	Lecture	Dr. M. Prabhakar, Asso. Professor/SELECT, VIT-Chennai Campus

Department of EEE Organized a Workshop on **"MatLab -Xilinx system generated Interface with hands on Practice"** on **June 26, 2015.** 32 members including UG, PG students & PhD scholars participated. The gathering was addressed by Dr. R. Ramaprabha, Associate Professor, SSN-IEEE Student branch counselor. The co ordinators were Ms. Sakina M Motta and Mr. Gadapelli Sai Krishna Dillep. The resource persons were Mr. J. Srihari, Mr. R. Srinath & Mr. A. K. Pandian (Alumini of EEE/SSNCE). The hands-on training session includes the interfacing MatLab with Xilinx and generation of different pulses for power electronic converter circuits. The participants have been benefited to proceed their project/research works.

TECHNICAL MEETING

Department of Biomedical Engineering organized a technical meeting on July 03, 2015. Twenty four members including II, III & IV year UG students participated. Presentation of ideas by each group working on the topics allotted by Sri Ramachandra Medical University in collaboration with the IEEE EMBS was carried out. Valuable suggestions regarding the project ideas were given out by the faculty to every group. Project guides had been confirmed. Dr. S. Pravin Kumar, Dr. V. Mahesh and Dr. A. Kavitha discussed about the various factors to be considered while working on a project. Confirmation of the executive committee members for EMBS was carried out and the following are the final posts: Chairperson: S. Saravana Prakash, Vice Chair: Atul Taneja, Secretary: Vishal S B, and Treasurer: Vaibhav M. Following activities are to be conducted

1. Intra department circuit design contest on 15 July 2015.
2. Intra collegiate Technical quiz on 5 August 2015.
3. Intra collegiate biological modelling contest on 19 August 2015
4. Workshops on Career guidance,instrumentation,software etc are to be held for which the dates haven't been confirmed.

YOUR PROJECTS - A GATE GATE WAY TO INDUSTRY

Department of Biomedical Engineering organized an technical event on "**Your projects - A Gateway to the Industry**" on July 04, 2015. Thirty two members including II & III year UG students participated.

The me[...]dinators are Mr. S. Saravana Prakash, Mr. Atul Taneja, Mr. M. Vaibhav and Mr. SB. Vishal. Mr. R. Sri Logeshwaran, Application Developer, HCL Medical Devices Business Unit (an alumnus of the SSN BME department), discussed about industry relevant project ideas that can be worked upon and about how to proceed further. He also spoke about the job opportunities available for biomedical engineers. His earlier UG projects in association with Aries Biomed Technology Pvt Ltd., were also discussed.After the discussion, all the technical queries posed by the students were answered by Mr. Sri Logeshwaran,.

LEARN 1000 WORDS IN 6 HOURS

Department of EEE Organized a Workshop on "Learn 1000 words in 6 hours" on July 14, 2015 under the banner of IEEE student branch. The Convener of the program was Dr. R. Ramaprabha and Coordinators were Mr. Gadapelli Sai Krishna Dillep and Ms. Sakina M Motta. 380 students participated. The resourece person was **Mr. Santhosh Karnananda,** Founder & Director, MyGmat, MyGre and MeraEnglish.com. The workshop 'Learn 1000 Words in 6 Hours" was a unique workshop and has been conceived after years of academic and psychological research. The speaker just didn't teach words, but narrated stories from various sources like the history, medicine, mythology and arts to make sure that we never forget what we learn. It was a very interactive workshop and the speaker gave the audience some inputs on how to go about their carrier.

HEALTHCARE EQUIPMENT

Department of Biomedical Engineering arranged a technical Q&A session on "Health-care Equipmnet" on the 14th of July 2015 with Mr .Jayaraman Kiruthivasan, Technical Consultant of Health Care Technologies and Innovation Centre (HTIC). SSN IEEE EMBS Students involved in projects with Sri Ramachandra Medical University attended the session. The key topics covered were:

Wearable ECG device
Discussions revolved around the advantages of the existing Bluetooth method, recent boards used and also on the processing part and app development. Few software were also suggested to fasten the project.

Non-invasive Glucometer
The discussions involved the choice of sensors and current technologies. Students were advised to not only focus on the Engineering point of view but also the Medical point of view.

MRI Metal Scanner
The discussions involved validation of the student's ideas, and critical analysis of the problem statement given.

Urea and Creatinine Monitor
The existing ideas and trending work were critically analyzed and suggestions on how to proceed were given.

Dialysis Membrane and Machine
Discussions involved ideas of making the machine economical, the membrane smaller and reusable.

Insulin Pump
Discussions revolved around how to separate the project from existing technologies and the sensors to be used.
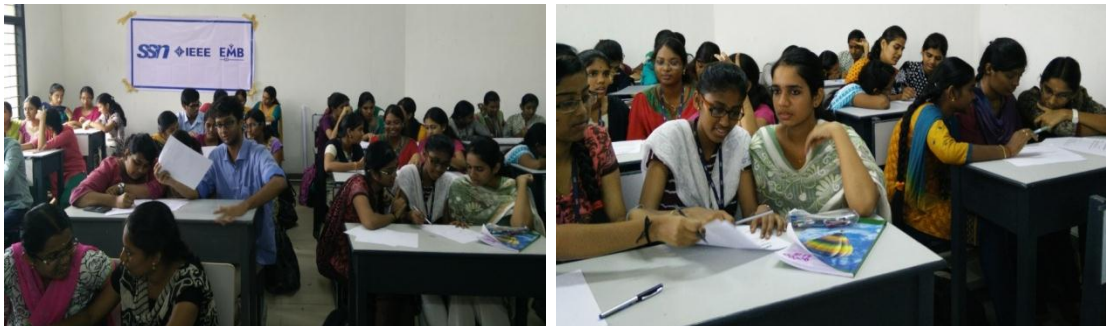
CIRCUIT DESIGNING EVENT

Department of Biomedical Engineering conducted *Circuit designing Event* on July 15, 2015 BY Medicine and Biology Society (EMBS) Student Branch Chapter. The organizers were: **Conveners:** Dr. S. Pravin Kumar and Dr. V. Mahesh and **Student Coordinators:**Mr. S. Saravana Prakash, Mr. Atul Taneja, Mr. Vaibhav M, and Mr. Vishal SB. 17 participated in the preliminary round. Each team comprised of two or three members. The students were expected to design the circuits using basic concepts of electronics. Six teams were selected for final round based on their design efficiency. Design & Implementation of circuit was the selection criteria. Winners were selected based on the economic design and time taken by the team to accomplish the task. Three teams were selected as winners.

WINNERS:
1st **Place**: R. Haripriya, V. Sandhya, and K. Bhargavi, 2nd year, Biomedical Engineering
2nd **Place**: N. Abinaya, and M. Nagavarshini, 2nd year, Biomedical Engineering.
3rd **Place**: R. MohamedAjmal, SK Madhumitra, and PN Nova Belle, 3rd year, Biomedical Engineering.

LaTeX

Two days workshop on "LaTeX" was organized by Department of Computer Science and Engineering , in association with IEEE students chapter and ACM students chapter during 17th-18th, July 2015. *Dr. D. VenkataVara Prasad*, *Dr. J. Suresh* and *Mr. V. Balasubramanian* were coordinators for the program. 37 PG students (M.E. Computer science Engineering & Software Engineering) were benefitted. The speakers were Dr. R. S. Milton, Dr. R. Kanchana, Dr .B. Bharathi, Dr. S. Sheerazudhin, Mr. S. SenthilVelan and Ms. K. Vallidevi.First day, first session was handled by Dr. S. Sheerazudhin , Associate Professor, SSN- CSE covered the topics "Introduction to LaTeX, Mathematics, Typesetting and Macros". The next session was handled by Ms. K.Valli Devi , Assistant Professor, SSN-CSE. she covered "Formatting Text, Verbatim and Images". The

Next session was handled by Mr. S. SenthilVelan, Associate Professor, SSN-CSE, covering the topics "Tables, Equations, Graphics, Packages and coding". The second day first session was handled by Dr. R. Kanchana, Associate Professor, SSN- CSE. She has talked on "Bibliographies". In the next session, Dr. B. Bharathi, Associate Professor, SSN- CSE, delivered a talk on "Graphs and Graphic Packages". The last session was handled by Dr. R. S. Milton. He gave a talk on Presentations: Beamer package, LaTeXiT. Hands on training was given in all the sessions.

SOFT SWITCHED CONVERTERS

Department of EEE Organized a guest lecture on "Soft Switched Converters" on July 23, 2015.Conveners were **:** Dr. R. Ramaprabha & Ms. S. Malathy.

Conveners were : Dr. R. Ramaprabha & Ms. S. Malathy. 76 students participated. The resource person was *Dr. M. Prabhakar*, Associate Professor, SELECT-VIT, Chennai Campus.. Dr. M. Prabhakar explained the principles and applications of soft switched converters. He demonstrated the types of soft switched converters with case studies and practical show pieces.

Reported by Dr. R. Ramaprabha, SSN-IEEE Student branch counselor

ST.JOSEPH'S COLLEGE OF ENGINEERING

COMPETE TO SUCCEED

WOMEN IN ENGINEERING AFFINITY GROUP   organized an event Complete to succeed on 25.07.2015. 11 Teams with 3 members each participated. Three rounds were conducted. The first round was "MIND DRILL**"** which was a written test conducted for 15 minutes. This round tested the awareness of the participants about the famous women and the facts about them. This round also had jumbled words to test their IQ. 8 teams were selected to participate in 2nd round based on their score.The Second round was "PICTIONARY" which was an interesting round. In this round, two words were given to each team. Each team has to guess those words with the help of pictures drawn by one member of that team in 90 seconds. Based on the performance of the teams in this round, 5 teams were selected to compete in the final round.   The final round was "**SQUEEZE YOUR BRAIN"** which was a challenging round. In this round, each team was requested to write rapidly as many words as possible related to the question given in fifty seconds. The top three scorers of the final round had been selected for first three places. The organizers were JANNATH NISHA H(III Yr EEE)**,** TINA A(III yr EEE), and AKSHAYA VANDHANA T.

FIRST PRIZE:-

   NISHEVITHA R (III yr EEE), MONISHA R (III yr EEE), and MONICA N(III yr EEE),

SECOND PRIZE:-
   DHIVIYA M (III yr EEE), SHERON RAJI (III yr EEE), and SARMILA DEVI K(III yr EEE),.

THIRD PRIZE:-

   UMADEVI M (III yr EEE),ROSHNI ARUL (III yr EEE), and SAI SUSHMITHA (III yr EEE),
Reported by: JANNATH NISHA H,

K. S. RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE – 637 215
Inaugural Function

The inaugural function of IEEE-EMBS Student Branch Chapter was held on 07.07.2015. The chapter was inaugurated byDr.B.Santhanaraj, Chapter Chair, IEEE-EMBS Madras Section. In addition Neomutants Biotech Association was inaugurated by him. Mr.V.S.Rajha, III B.Tech.Biotechnology, Chair, IEEE-EMBS Student Branch Chapter, KSRCT, gave a key note on IEEE-EMBS and introduced the newly elected office bearers of the Branch Chapter.He listed out the annual events planned for the academic year 2015-2016.Dr.P.Ponmurugan,Chapter Secretary, IEEE-EMBS, Professor &Head /Department of Biotechnology, encouraged the activitiesof the student branch chapter. Dr.K.Thygarajah, Principal, felicitated the gathering with his valuable comments on IEEE-EMBS. He also appreciated the students for their efforts in establishing

student branch chapter in a successful way. The chief guest Dr.B.Santhanaraj, addressed the gathering about the benefits of the membership in IEEE-EMBS Student Branch Chapter. He summoned the members of the branch chapter to conduct social awareness programmes which would be useful to the society.

The following are the office bearers of IEEE-EMBS Student Branch Chapter for the academic year 2015-2016.

Name of the position	Name of the student	Membership Number	Year of study
Student Branch ChapterChair	Rajha V.S	93370112	III B.Tech.
Student Branch ChapterVice-chair	Gayathri G	93376911	III B.Tech.
Student Branch ChapterTreasurer	Kalaivani K	93376944	III B.Tech.
Student Branch ChapterSecretary	Oviyaa V	93376917	III B.Tech.
IEEE-EMBS Student Branch Chapter Newsletter Chief Editor	Dheenadhayalan K	93369750	III B.Tech.
IEEE-EMBS Student Branch ChapterAssociate Editor	Uthira M	93369765	III B.Tech.
IEEE-EMBS Editorial Board Members	Krishna M das	93369717	III B.Tech.
	Yokabarrathi N.S.	93369767	

Chapter Secretary and Student Branch Chapter Advisor

Dr.P.Ponmurugan (Membership Number: 92135786)
Professor & Head, Department of Biotechnology
Staff Coordinator-Student Branch Chapter
Ms.S.Poornima (Membership Number: 92735950)
Assistant Professor, Department of Biotechnology

ST.JOSEPH'S COLLEGE OF ENGINEERING

TECHNO QUIZ

The event "Techno Quiz" comprised of two rounds. The"first round**"**was a written test conducted for 30 minutes. 14 teams participated in this round, each team consisted of four members. This round was conducted to test their basic skills in power electronics. 5 teams were selected for the second round.The second round was "SIMULATION**".** It was conducted to test their ability in simulation using MATLAB software. In this round a converter circuit was given to each team. The duration of this round was 30 minutes. Based on their performance three teams were selected as winners.

ORGANISERS: CATHERIN AGALYA J (II Yr ME), DHANIYALAKSHMI T (II yr ME).
FIRST PRIZE:-
VINOD A, VENKATA SUBRAMANIAN S, SANTHOSH M R (IV YR EEE).
SECOND PRIZE:-
SUBRAMANIAN C, SENTHAMIL SELVAN E, SOWNDARIYAN R, VIJAY ANAND R (III YR EEE).
THIRD PRIZE:-
SHILPA J S, SOWMIYA B , SAI SUSHMITHA N (III YR EEE).

Reported by: **SOUNDARIYAN R**