
Vol. 12 No. 03 March 2015

Message from Chairman



Dr. N. R. ALAMELU

Esteemed Members,

Greetings from IEEE Madras Section

We are happy that a good number of student members have taken interest to participate in the Region 10 activities and also the activities from the Head Quarters. I congratulate the members who have received **Richard Merwin** and **Larry K Wilson** awards and this should create interest among other members as well for higher level of participation.

The Region 10 Student Young Professional and Women in Engineering congress is being held in Sri Lanka during 9th to 12th of July 2015 and the section is happy to sponsor the awardees and few other student members in addition to young professional and WIE members to attend this congress. This participation, I am sure will create a good impact of the activities of the Madras Section at the Region 10 level.

Looking forward for higher and higher levels of energy and enthusiasm from all the members in these professional activities

Wishing you all the very best

Your affectionate office bearer

Message from the Editor



Dr. S.ARUMUGAM

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I am happy to write message for the March month MAS LINK issue. Salaried persons have to pay their final quantum of income tax in the month of March. The financial year ends with March month. The term of Office bears end with the month of March. Students completing the courses will be busy with their project work. Even with this busy schedule many activities are reported. I composed all the reports and presenting it to you. I need the co operation of the members in making the MAS LINK .more attractive. Please send articles for the MAS LINK.

KARUNYA UNIVERSITY

Trends and Challenges of Silicon-Nano devices

IEEE-ED Coimbatore Chapter, in association with Karunya University Electronics and Communication Engineering Department has organised a IEEE Electron Devices Society Distinguish Lecture program in Karunya University on 12th February 2015. Dr.Shobha Rakh, Director of Electrical Science welcomed the gathering and introduced the guest speaker Dr.M.K Radhakrishnan (Founder Director ,NanoRel).Dr.M.K Radhakrishnan initiated his lecture session with an overview about IEEE and the importance of IEEE.



His emphasis was more on the IEEE, Electron Device Society where he explained about the working of EDS, Chapters all over the world, accessing online lectures, Quest EDS where students can interact with experts etc. Later, the speaker elaborated on the “Trends and Challenges of Silicon-Nano devices. He started his lecture with the Reliability Concern during fabrication process. He explained about the Silicon-Nanodevice structure. The session went on by addressing on many applications like Bionano devices, Dual –Channel Nano wire Transistors etc. In order to enhance the understanding he demonstrated various microscopic pictures of silicon-nano structure, metal layers etc. He explained about the defects in nano devices. He emphasized on the issues during fabrication process, steps to overcome those issues etc. He showed microscopic images of defects in devices, 3D images of silicon-Nano structure. He briefly explained about his life experiences, the importance of observing new things which motivated the students. He concluded the lecture by showing the first patent of MOSFET which was published in 1928 and the first MOSFET device which was developed in 1960. He also motivated the students to join research and explore more about nano scale devices. Vote of thanks was delivered by Dr.Nirmal, Chair, IEEE-EDS Chapter, Coimbatore. Nearly 75 students participated.

Reported by : Dr. D.Nirmal, Associate Professor

SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY

PROJECT AND ENGINEERING IDEAS

A Seminar on the Engineering projects and paper presentation being was organized by the IEEE Communications society on 7th February 2015 to enhance their basic knowledge on projects and paper presentation among second year Engineering students of Electronics and communication Engineering branch. The second year students of ECE were addressed by one of their experienced alumni, Mr. Balaji who pursues his career as an Employee of Aon Hewitt. Mr. Balaji initiated the session interactively with the students. He had emphasized on the importance of Graphics and Animation in the present Scenario, elucidating along with some interesting examples. He had imparted his knowledge on "Visual Basic" a programming tool that had gained its importance of its features and "Selenium", a video recording software. Mr. Balaji, shared his views and knowledge on the project ideas that ought to be taken up by the young engineers.

Reported by: Akkshatha R

SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY

MATLAB DEBUGGING

A technical contest on Debugging in Matlab programming, was organized by the IEEE Communications society on 24th January 2015 to enhance the basic knowledge on Matlab tool to third year Engineering students of Electronics and communication Engineering branch. Head of the Department Mrs. D. Shanthi chelliah, addressed the gathering. In the preliminary round students were examined for knowledge in the basics of Matlab through the multiple choice questions. The event was coordinated by Mr. R. Ramadoss, Assistant Professor of ECE Department. The 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**" was conducted under the supervision of the Head of the Department Mrs. Shanthi chelliah. The winner Anandha Lakshmi yogeshwari of ECE third year was appreciated.

Reported by: Mugilan. G.N.S

SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY

CIRCUIT DEBUGGING

On 21st February 2015 a technical event on circuit debugging in analog and linear circuits was organized by the IEEE Communications society. 20 members of second year Electronics and communication Engineering branch participated. Head of the Department Mrs. D. Shanthi chelliah, addressed the gathering. In the preliminary round the basics of Linear Integrated Circuit and Electronic-II were examined through the multiple choice questions. The Event was coordinated by Mr. P. Gopalakrishnan, Assistant Professor of ECE Department. The best performed participants were qualified for the finals. The Final round was "**Circuit Debugging**" conducted under the supervision of HOD Mrs. D. Shanthi Chelliah. The winners of the event were



- I. Pratheepa.P and Susila.S of ECE second year
- II. Sahanadevi.S and Rajalakshmi.T of ECE second year
- III. Megala.M and Fathima begum of ECE second year

Reported by: Mugilan.G.N.S

BHARATH UNIVERSITY



The IEEE SB was inaugurated on 17th March, 2015 by Dr. P. Suresh Chander Pal, Former Vice-Chairman, IEEE India Council, Life Senior Member, IEEE & Ombudsman, IEEE Madras Section, Member, IEEE Power & Energy Society, Madras Chapter and Dr.H.R.Mohan Vice-chair IEEE Madras Section & Chair IEEE Computer Society Madras chapter & President,

Computer Society of India. BIST welcomed the gathering and introduced the chief guest. Dr.M.Ponnavaikko, Vice-Chancellor, Bharath University, delivered the presidential address and briefed about IEEE. Dr. P. Suresh Chander Pal inaugurated the branch activities and installed the office bearers of the year 2015 of the IEEE Student Branch of Bharath University. Dr.H.R.Mohan delivered the key note address. Mr. S.P. Vijayaragavan AP/EEE, IEEE Student Branch Counselor BIST proposed the vote of thanks.

Reported by: Mr. S.P. Vijayaragavan

KONGU ENGINEERING COLLEGE

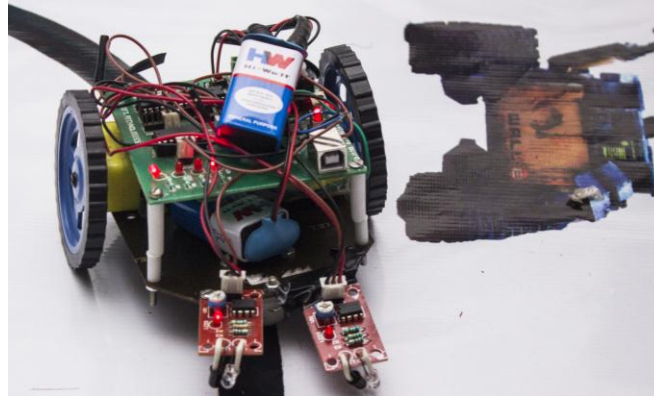
WIESHUIS

WIESHUIS, a society concerned awareness program was conducted by WIE, affinity group of IEEE student branch on 15th March, 2015 at Bharathiyar Adharavatra Kulandhaikal Illam orphanage, Chennimalai. It was conducted for 40 students of all classes from primary to secondary. A brief introduction about IEEE and its motto towards social awareness were explained. The students introduced themselves. A drawing competition for the kinder garden students and essay competition for all other students was conducted. An input session on their carrier perspective was carried out after finishing their 10th and their schooling in order to gain some knowledge about the future scope in various fields. Various games were organised and the day ended y after distributing sweets and prizes to the children.



Reported by: P.DIVYA, SECRETARY-WIE (IEEE SB-29741)





Photos of the function , "AVANZARE 2K15" conducted by IEEE Student Branch(29741) of Kongu Engineering College on 24th & 25th of February 2015.

Reported by : S.Bathusha, Secretary, IEEE SB(29741),

INTERNET OF THINGS (IOT)

A two day Workshop on “Internet of Things (IoT)” was organized by the IEEE Student Branch on 24th & 25th of February 2015. Nearly 100 Students from various institutions attended the workshop. The workshop was conducted by Computer Science Department Faculties and a Technology Business Incubator (TBI) Faculty. A brief introduction about IoT and its usage in process control in industries was given. An introduction of PHP (**Hypertext Preprocessor**) and it continued with the explanation about how to create a webpage, tabl and database using win amp was also given. Hands-on training on IoT was conducted. This session began with the introduction of Raspberry pi (Rpi) controller in IoT and it continued with the explanation about the coding of Raspberry pi controller and controlling it through internet. With the Rpi, the participants were taught to control the switching of light using internet. After that, they were guided to control the webcam to capture whenever any moments are detected. Next session was based on the usage of Arduino controller in IoT. An introduction about Arduino board



was given at first. Some basic programming with Arduino controller such as interfacing led & lcd were taught to the participants and they performed the same. After that an introduction about Ethernet and the programming were given to the participants.

Reported by: S. Bathusha, Secretary, IEEE Student Branch-29741

Dr. N. G. P. INSTITUTE OF TECHNOLOGY

Women's Day Celebrations

The IEEE Students' Branch (05511) , IEEE Women in Engineering Affinity Group and Women Development Cell organized the Women's Day Celebrations on 09-03-2015. Dr. Thavamani D. Palaniswami, Managing Trustee, KMCRET and Secretary, Dr. N.G.P Educational Institutions, Tmt. R.V.Ramya Bharati, IPS, Dy. Commissioner of Police (Crime), Coimbatore city and Ms.Aishwarya Rao, partner, Prahalad Textiles, Pvt Ltd and Director, Vivekalaya Group of Institutions participated.



Tmt. Ramya Bharati in her address highlighted a few of the destiny shaping qualities that women today need to create, nurture and pass on as legacy to posterity. "Be the best in whatever you do". Women can certainly be catalysts and work towards transformation for a better society. Ms. Aishwaryas's powerful PPT and address titled "Empowerment and Entrepreneurship" loaded more ammunition into the cause of women's upliftment with the claim "The world is remade through the power of fierce women performing outrageous deeds of creative rebellion".

The SHE, where 'S' denotes 'Silence', in most households across the country and world is a matter of concern. Should the 'S' be snuffed out, it is once again a patriarchal society. Secretary, Dr. Thavamani D.Palaniswami, N.G.P. Educational addressed on 'The success of every woman is an inspiration for the other'. Herself, the recipient of a number of awards for her outstanding contribution to medicine and education, the WDC & IEEE, WIE honored her with the title "Woman of Substance". Vote of thanks was delivered by Vaishnavi, Secretary WDC.

Design and Testing of PCB

The IEEE Students' Branch (05511) , Department of Electrical & Electronics Engineering and Department of Electronics & Communication Engineering organized workshop on Design and Testing of PCB on 6th & 7th of March, 2015. Dr. Thavamani D Palaniswami, presided over the function. Welcome address was delivered by Dr. V. Kumar Chinnaiyan, Head of the Department, Electrical and Electronics Engineering. Dr.S.Suresh Kumar, Director Research, Head of the Department Electronics and communication Engineering and The CEO, Dr. O. T. Buvaneswaran and. Dr. K. Porkumaran, the Principal, felicitated the gathering. The chief guest of the day was Er. E. Rajasekar Executive Director, RAANA Power Solutions, Hosur. The Workshop was conducted for training the students on the design and manufacturing of the Printed Circuit Boards. It imparted the basic knowledge as well as more advanced aspects of PCB design and its fabrication. About 40 participants participated. and they were trained in etching on a laminated copper sheet drilling process using a Hand driller and finally assembling and soldering the components on the board.



Reported by: Dr. K. Porkumaran (90534204) Sr.MIEEE

JAYARAM COLLEGE OF ENGINEERING AND TECHNOLOGY

Research is an Art

The IEEE Student Branch organized a seminar on 16th march, 2015. The Principal & Branch Mentor Dr.N.Kannan presided over the function.. The welcome address was delivered by Student President Mr. J. P. Anish Jobin. The Resource person Dr.A.Sahaaya Arul Mary, Dean Academic & HOD/CSE, shared her experience. Her lecture was on "Research is an Art". For doing a research one should be familiar with their interested field and also they should have strong idea about the basics. They should choose a base paper. and read papers in that area.

Research is of classified into two types namely breadth wise & depth wise research and explained in detail about that. She has spotted out clearly that “NO CORRELATION NO INNOVATION”. Use of trial and error method for finding new output and compared it with Benchmark accepted papers. All the analysis can be represented in graphical form for easy understanding and annotation by other research scholars. The student Branch coordinator Prof.M.Bhoopathi gave the vote of thanks.



Reported by: Boopathi M

JAYARAM COLLEGE OF ENGINEERING AND TECHNOLOGY

MECHATRONICS

The IEEE Student Branch organized a seminar on 6th march, 2015. The Principal & Branch Mentor Dr.N.Kannan, presided over the function. Dr. S. A. Sahaya Arul Mary Dean of Academics & Branch Counselor addressed the gathering.. The welcome address was delivered by Student President Mr. J. P. Anish Jobin. The chief guest of the program was Dr.Lenin, Associate Professor, Mechanical. He started explaining how the compaction in the technological system has arrived and how these are being done with the two devices SENSORS and TRANSDUCERS. He gave a good connection of the loop controls from the basic of the control systems to the sensors and transducers. He says the need for mechatronics in the eeeback grounding is simply for the purpose of sophistication for which he gave many live examples. He focused mainly on the fluid power system that is being used for controlling, transmitting or generating. This system is able to work with four major components tank, pump, control valve, actuators. He instantly gave some basic knowledge about the valves which was a good link given to the students to easily understand the working operation of various power plants. The HYDRAULICS and PNEMATICS working types were clearly explained by reservoir pumping system.

Finally, he concluded the mechatronics system to be more accurate, compact and reduces the human's timely work. The students feedback session was really seen effective. The students gained plenty of new ideas about the application of mechatronics. The beauty is a new start for think has begun in the minds of students towards the world of ROBOTICS. The chief guest has

given strong support to the budding engineers of the eee family to motivate and initiate them in all sorts of concepts and queries regarding the application of mechatronics techniques in the zone of electrical. They even made pleasant requests to the coordinator to enhance more programs that can surely help the student community to enrich their path in career. Towards the end the student Branch coordinator Prof.M.Bhoopathi gave the vote of thanks.



SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY

White Talks on ‘Nanobots’

IEEE Computer Society Student Chapter-61411A organized white talks on the topic ‘Nanobots’ on 31 January 2015. Mrs. S. Dhanalakshmi, HOD/CSE welcomed the gathering. The white talk’s session was handled by Mr. E.Pavithran, 3rd year CSE. The mechanism behind Nanobots and the detailed impact of cancer cells were technically preached by him. Mr. A. Aravindhnan, 3rd year CSE gave vote of thanks and the participants who provided valuable feedbacks were awarded and encouraged with IEEE goodies. Also, he announced that the students who are willing to present White talk on one of the emerging technologies are requested to register the Google form which is already circulated among the students.

Reported by: Vignesh Chandran, Volunteer | IEEE CS SMIT – 61411A

NATIONAL ENGINEERING COLLEGE

CRITICS EYE

IEEE COMPUTER SOCIETY STUDENT BRANCH CHAPTER organized, “**Critics Eye**”- **Product Review on Android Lollipop** on **21-01-2015**. 15 budding engineers from ECE, EEE, EIE, CSE, IT participated. The event aims to check the student’s awareness and to update their knowledge in the area of ANDROID which is being used by all people in their smart phones.

Among 15 students, 3 were bagged the prizes and the winners are listed below.

SI.NO	Name of the Student	Year& Branch	Prize
1.	Mazhar Syed Asan Ghulam Mohid	III Yr EIE	I Prize
2.	R.Vijaya Ragavan	III Yr CSE	II Prize
3.	P.Balamurugan	III Yr EEE	III Prize

Reported by:Dr.B.Paramasivan, Branch Chapter Advisor

ST.JOSEPH'S COLLEGE OF ENGINEERING

MIND HUNTERS

The program was conducted on 08.01.2015 and 09.01.2015. 20 teams participated in the first round. A written test was conducted for 40 minutes. 5 teams were selected for finals. Finals comprised of four rounds. First round is called Connections in which ten technical words have to be guessed within 30 seconds with the help of hints given. The second round is called RIDDLE. Each team will be given a riddle and they have to give the logical answer within the time limit. Third round is called RAPID FIRE. Five questions will be asked per team with different topics and to be answered within 30 seconds. Final round is called solve the impossible. One question has to be answered within the time limit. A basic electrical GATE question was given. Based on the correct answers, three teams were selected. The winners are:

First place: R.KATHIRAVAN (III yr EEE), S.KRISHNA BALAJI (III yr EEE), A.JAYASURIYAN (III yr EEE).

Second place: R.SOUNDARIYAN (II yr EEE), E.SENTHAMIL SELVAN (II yr EEE), T.SENTHILNATHAN (II yr EEE), V.AMAR GOUTHAM (II yr EEE).

Third place: D.MEGHANA (III yr EEE), S.MOHANA PRIYA (III yr EEE), K.SAHANA (III yr EEE), .SAHITHI (III yr EEE).



Reported by: JANNATH NISHA H,IEEE-SECRETARY

Dr. N. G. P. Institute of Technology

Variable Frequency Drives

The IEEE students' branch (05511) and students' Association of the Department of Electrical & Electronics Engineering, organized a guest lecture on Variable Frequency Drives on 05th of February, 2015. Secretary Dr. Thavamani D Palaniswami, presided over the function. Dr. V. Kumar Chinnaiyan, Head of the Department, Electrical and Electronics Engineering welcomed the gathering.. The CEO, Dr. O. T. Buvanewaran and. Dr. K. Porkumaran, the Principal felicitated the gathering. The chief guest was Mr.S.Radhakrishnan, GM-Operations, Mecton Training and Technical Services Limited, Chennai. He gave an elaborate lecture on the history of development of Variable Frequency Drives, their types and the basic concepts behind their working. With the detailed description of analysis of their performance, he highlighted their benefits and applications. Dr.M Gopinath, Associate Professor, Department of EEE, delivered the vote of thanks.



Reported by: Dr. K. Porkumaran (90534204) Sr.MIEEE

SATHYABAMA UNIVERSITY

Sathyabama IEEE Computer Society organizes technical symposium on 22nd and 23rd January 2015. The symposium was inaugurated by Mr. H.R.MOHAN, Chairman, IEEE Computer Society



Mr. Prashant Mohan International IEEE Student Volunteer and IEEE Student Chairman Mr. Sathees Sinnah. Spoke. Programming Contest, Debugging Contest, Photoshop Designing Contest, Computer Quiz Android Workshop, Dumb C, and Gaming events were conducted. , Technical Talks were given by:

- Nivas Ravichandran(An inspirational IEEE head)
- Prashant Kumar Pandey(Google Student Ambassador)
- Nishant(a final year student involved in Research project in NASA)
- Achyuth K. P.(Mozilla Rep.)

Reported by: Navdeep Singh,IEEE Computer Society Student Volunteer|

KNOWLEDGE INSTITUTE OF TECHNOLOGY

Awareness Program on First Aid

On 12th January 2015, program on “**Awareness program on First Aid**” was organized by Department of Electronics and Communication Engineering associated with IEEE Student Branch and women Empowerment Cell.The chief guest of First Aid awareness program was **Mr. S. Radha Krishnan, St. John’s Ambulance, Namakkal**. Dr.PSS.Srinivasan, Principal, Dr.K.Visagavel,VicePrincipal,Dr.N.Santhiyakumari,WECCoordinator,HOD/ECE,



Dr. P.M.Shanmugavadivu,HOD/Civil,and Dr.N.Suthanthira Vanitha, HOD/EEEhas felicitated the function. Over 500 girl students from all departments and all lady staff from Knowledge Institute of Technology attended the functions. Mr.S.Radhakrishnan, has saved many valuable lives by his training classes. He discussed about the types of deaths and how the deaths can be avoided by following the first aid at the correct time. He gave practical training to give first aid for a person when he is unconscious by using CPR, PPR and HFL methods. He gave instructions on first aid for domestic accidents, like fire in Kitchen, cylinder burst, etc. He concluded his speech by advising students to do exercise regularly, have regular diet, drink 3 liters of water daily and always be happy to lead a healthier life.

Integration of GIS with Information Technology

On 13th January 2015, Guest Lecture on “**Integration of GIS with Information Technology**” was organized by Department of Electronics and Communication Engineering and IEEE Student Branch.The Chief Guest was Dr. G.Balamurugan, Scientist-D, Centre for Earth and Atmospheric Science,SathyabamaUniversity,Chennai.Dr.PSS.Srinivasan,Principal,



Dr.K.Visagavel,Vice Principal,Dr.N.Santhiyakumari,IEEE Counsellor, HOD/ECE,has felicitated the function. The chief guest addressed the students about Geo-Information and Communication Technology (GICT) and its applications. He made the students to be clear about the basic concepts like the difference between Computer science and Information Technology and the definition of remote sensing. He elaborated the satellite count and the applications of some satellites around the earth. He explained about the satellite evolutions and its future advancement.

IEEE Career and Recognition

The IEEE Student Branch of Knowledge Institute of Technology, Salem organized a guest lecture on **“IEEE CAREER AND RECOGNITION”** on January 14, 2015.Mr. MUTHUKUMAR, Analyst, Sathyam Ventures, was the resource person.



Dr.PSS.Srinivasan, Principal, Dr.K.Visagavel, VicePrincipal, Dr.N.Santhiyakumari, IEEE Counsellor, HOD/ECE, has felicitated the function. Mr. Muthukumar the resource person gave an introduction about IEEE to the new student members and explained about the benefits and awards offered by IEEE. He also demonstrated how to access IEEE job site and IEEE Xplore Digital library through IEEE website for the new IEEE Student Members. He discussed about the latest technologies that are in the market which would bring drastic changes in employment in the core domain. He also discussed about the professional etiquettes – Self Belief, Dedication, Trustworthiness, Networking Co-Operation, and Team play with inspiring videos. Then the resource person gave an idea about how to present oneself in the interview, what are the challenges that a fresher face in the industry and how to overcome it.

Cancer Awareness Program

On 24th January 2015, Guest Lecture on **“Vizhiunarvum – Vizhippunarvum, Cancer Awareness Program”** was organized by Department of Electronics and Communication Engineering associated with IEEE Student Branch and women Empowerment Cell.



The chief guest of Cancer awareness program was Mr.S.Sukumar &Family. Dr.PSS.Srinivasan, Principal, Dr.K. Visagavel, VicePrincipal, Dr.N.Santhiyakumari, WEC -Coordinator, HOD/ECE, Dr. P.M.Shanmugavadivu, HOD/Civil and Dr.N.Suthanthira Vanitha, HOD/EEE has felicitated the function. Over 500 girl students and all lady staffs attended the function. Mr.S.Sukumar is the director of online solutions, Chennai. A Special dance performance was given in between Mr.S.Sukumar's speech by Ms. S. SAHAANA SUKUMAR, Bharatanatyam Dancer, Student of Guru Yuva Bharathi Archana Narayanamurthy, Chennai. The Chief Guest explained about the formation of cancer in a human body. He said that change in voice, loss of weight and appetite are some of the common symptoms of cancer. He said that the Surgery, Chemotherapy, and Radiation therapy are the most common types of cancer treatments. He said that the lung cancer, colorectal cancer, Breast cancer, Ovarian Cancer, Cervical Cancer, Prostate cancer, Oesophageal cancer, Stomach cancer, Pancreatic cancer, Leukemia cancer are the top 10 cancers .

Pengalin Urimayum Samudhaya Kadamayum

On 28th January 2015, Department of Electronics and Communication Engineering associated with IEEE Student Branch and women Empowerment Cell organized a program on “Vizhiunarvum – Vizhippunarvum, Cancer Awareness Program”.



The Chief guest of the program was Mrs. Ravathi. Dr. P.S.S. Srinivasan, The Principal, Dr.K. Visagavel, VicePrincipal, Dr.N.Santhiyakumari, WEC Coordinator, HOD/ECE, Dr.P.M.Shanmugavadivu, HOD/Civil, and Dr.N.Suthanthira Vanitha, HOD/EEE has felicitated

the function. All girl students from all departments and all lady faculty from Knowledge Institute of Technology have attended the functions. Mrs.T.Revathi explained about various rights and law framed for the women's in the society. She gave the helpline number for ladies as 1091 and helpline number for children as 1098. Our students interacted with the chief guest.

Reported by: Hemalatha.R, IEEE Student member

THIAGARAJAR COLLEGE OF ENGINEERING

Valedictory Function

The valedictory function of IEEE was organized with ECE Association on 25-03-15. Dr.S.Raju, Head of the Department ECE presided over the meeting. Mr.Madhan Mahalingam, Sr.Functional Lead Quality, Honeywell Technologies Ltd was the chief guest.

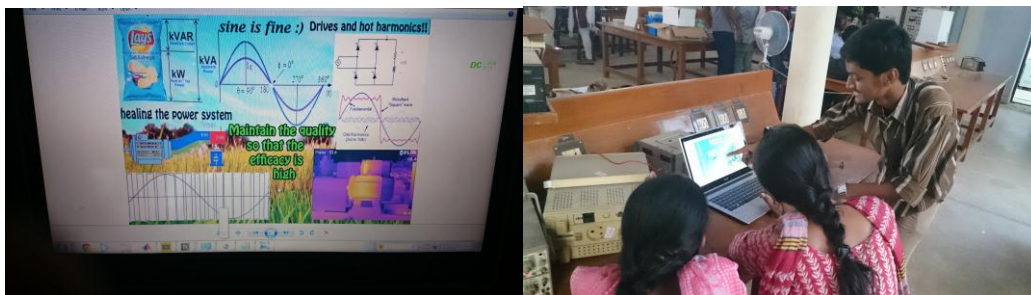


.. In his keynote address he talked about expectations of the corporate company from the graduates and also added the importance of working in the same domain. The other guest, Mr.Pradeep kumar Shanmugavelu, Technical Lead, Honeywell Technologies Ltd insisted that as we are living in Information era, many new things like mobile phones, Internet – especially social networks influences younger generations so he made an earnest appeal to make good use of it. Annual Report was read by GND.Ram Kishan, General treasurer, IEEE TCE. Felicitations were done by the Head of the department. Medals and certificates were distributed to students who bagged the prizes in the various competitions and discussion forums conducted by IEEE.

Reported by:K.Kalyani

POSTER PRESENTATION CONTEST

The event was conducted on 17th March 2015. 6 teams with 3 members per team participated. Research has shown that we remember visual images much easier and better than words. Using imagery can make learning more fun and interesting. Here is why-Our brain processes visuals 60,000 x faster than text and that is why photos on Facebook generate more “likes” and “shares” than text, video or links. Publishers who use infographics realize an increase in traffic of 12% over those who don't. Presenting an idea or topic through visuals has more effect than using words. This event was about using a poster to project a concept/technology and its applications.

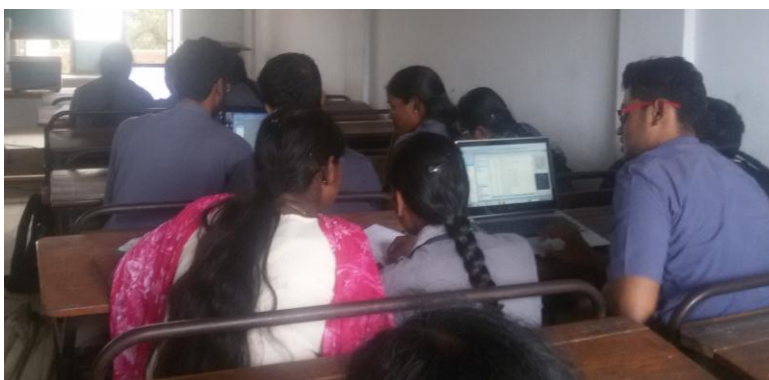


With the help of photo editing software, a poster containing pictures, graph, tables and charts is displayed and explained. Credits were given for the topic chosen, design of poster, presentation and queries. Topics presented were Smart sensors, Micro grid, Power system, Bluetooth devices, Electrical safety, Smart Bus Transport.

Reported by:K.Kalyani

CIRCUIT DESIGN CONTEST

The main motive of the event was to give exposure to Proteus Simulation software. It was a team event in which each team of four members were asked to design a circuit and show its working through simulation. The Questions were based on three topics-Linear integrated circuits, Digital systems (sequential circuits) and 8051 Programming. Learning new software and putting together a circuit as per requirement is no easy task. The event engaged the participants for an hour, doing



their best to simulate their own design and obtaining the results. The event was conducted on 07th Feb. 2015. 7 teams with 4 members per batch participated.

Reported by:K.Kalyani

DISCUSSION FORUM

Discussion Forum is a visionary initiative by the branch to impart latest technology to the members and keep them updated with the same. A wide range of topics related to recent technology are covered. The monthly updates from the reliable IEEE spectrum magazine are used often to give insights of technological developments in various fields and thus gearing up the budding engineers for future challenge waiting before them. After its success from the

members, they were made to participate intensively by allowing them to present on these latest



developments.

This move was made by the branch as a part of development of soft and communication skills of its members. The vision of giving insight to the rapid technological development and creating self awareness and equipping themselves to the future challenges of its members doesn't seem to be a myth. The following table gives information about the forum discussions:

Date	Topic	Student resource fellow
19/12/2014	1.Unmanned aerial vehicle	Prem, IIIyr,EEE
	2. Mobile Networks 1G to 5G	Rajeshwari, IIIyr,ECE
23/01/2015	1.Speed control of Induction Motor	Siddharth, IIIyr,EEE
	2.Gi-Fi	Saranya, IIIyr, ECE

Reported by:K.Kalyani

SONA COLLEGE OF TECHNOLOGY

CIRCUITRIX Symposium

The IEEE Student Branch and WIE group conducted an Inter College Technical Symposium “CIRCUITRIX 2K15” on 19th March 2015. The Symposium was inaugurated by IEEE Student Branch Counselor, Dr.C.Easwarlal and Staff Co-ordinator, Dr.S.Padma.Special address was given by the Principal Dr. V. Jayaprakash. He addressed to the students on “Make in India” and the need for core engineers to concentrate on the manufacturing sector. Events like Paper, poster, project and multimedia presentations, circuit and code debugging, line follower etc. were conducted. Around 200 students from various colleges participated in the events. The prizes were distributed to the winners.



ELECTRICAL EARTHING, SAFETY AND POWER QUALITY ISSUES

Workshop on “Electrical Earthing, Safety and Power Quality Issues”. 300 participants from various colleges and industries attended the workshop.



The inaugural address was given by the IEEE student branch counselor, Dr. C. Easwarlal. Shri S. Appavoo, Chief Electrical Inspector to Government, Chennai, has given a talk on electrical earthing and safety issues. Mr K.V. Varadharajan, LP Consultants International Private Ltd., Chennai, has addressed on the risk assessment of electronic equipment. Mr V. Venugopalan, Managing Director, Sri Bhoomidurga Marketing Pvt. Ltd., Chennai, Mr R. Shankar, CEO, Sai Powerreserve, Chennai and R. Balaji Managing Director of Navitas Energy Solutions, Chennai have discussed on the present issues of power quality and energy auditing.

RATHINAN TECHNICAL CAMPUS

IEEE International Conference on Engineering and Technology (ICETECH)

IEEE Student Chapter, the department of Computer Science Engineering and Information Technology jointly organized **2015 IEEE International Conference on Engineering and Technology (ICETECH)** on 20.03.2015.. The Conference received 602 papers including international and national papers, out of which 214 papers were accepted. The welcome address was given by Prof.S.Shanthi, Head of the Department of Computer Science and Engineering and was presided over by Dr.Madan A.Sendhil, Chairman, Rathinam group of Institutions and Prof.R.Manickam, Chief Executive officer, Rathinam Group of Institutions. Dr.G.P.Rajamani, Principal, delivered the felicitation address.



Prof. Arockiaswami Alphones Nanyang Technological University, Singapore, was the chief guest. He gave an speech on wireless communication. He also gave a detailed description about 2G,3G,4G and the impacts of it. The special guests were Dr. N.R. Alamelu, IEEE Chair Person, Madras Section, Dr. Siva Yellampalli, Professor in VTU Extension Centre, UTL Technologies Ltd, Bangalore and Mr. K. Raghunandhan, Jt. General Manager, Larsen & Toubro Ltd, Coimbatore. Prof. S.Syed Shajahaan, Administrative officer and Head, department of Information Technology delivered the Vote of Thanks

Reported by:: Ms.V.ManoChitra, Assistant Professor, Department of CSE,

St. Peter's College of Engineering and Technology

1. Inaugural Function

IEEE student branch was inaugurated on 17/03/2015. Dr.R.Rani Hema Malini, HOD, ECE, welcomed the gathering, Dr.M.a.Atmanand, Director, NIOT, Chennai (Vice-Chairman IEEE Madras Section) delivered the inaugural address and Dr.S.Selvan, Principal, presided over the function. The following office bearers were installed by the Student Branch Counselor Dr.V.Amudha, Prof. ECE. Chairman: Mr.A.Abdul Asik, Final Year, ECE, Vice-Chairman : Ms.M.Vanathi, Final Year, ECE Secretary : Mr.M.Barathkumar, II Year ECE, Treasurer: Mr.V.Harigaran, II Year ECE Chairman Mr.A.Abdul Asik, presented the vote of thanks.



2. Invited talk on IEEE code of Ethics

The IEEE student branch organized an invited talk on “IEEE Code of Ethics” by Dr.S.Selvan, Principal on 20th March 2015. Mr.V. Harigaran, Treasurer invited the gathering. Dr.S.Selvan, presented the IEEE ten codes of ethics such as Accepting responsibility, Avoiding conflicts with others, Honest to reject bribery, Improving to understand technology, Improving technical Competence, Criticizing honestly for technical work, Treating all persons equal, Avoiding to injure others and to assist Colleagues and co-workers. Mr.M. Barathkumar kumar delivered the vote of thanks.



Reported by: Dr.V.Amudha, IEEE student Branch Counselor

JAYARAM COLLEGE OF ENGINEERING AND TECHNOLOGY

MECHATRONICS

The IEEE Student Branch organized a seminar on 6th march, 2015. The seminar was presided by the Principal & Branch Mentor Dr.N.Kannan, addressed by Dr. S. A. Sahaya Arul Mary Dean of Academics & Branch Counselor. The welcome address delivered by Student President Mr. J. P. Anish Jobin final year EEE. The chief guest Dr.Lenin, Associate Professor, Mechanical, JCET presented the chief guest address. He explained technological system has arrived and how these are being done with the two devices SENSORS and TRANSDUCERS. He gave a good connection of the loop controls from the basic of the control systems to the sensors and transducers. He specified the need for mechatronics in the feedback grounding is simply for the purpose of sophistication for which he gave many live examples.



He focused mainly on the fluid power system that is being used for controlling, transmitting or generating. This system is able to work with four major components tank, pump, control valve, and actuators. The HYDRAULICS and PNEMATICS working types were clearly explained by reservoir pumping system. He concluded that the mechatronics system is more accurate, compact and reduces the human's timely work. The student Branch coordinator Prof.M.Bhoopathi gave the vote of thanks

MATERIAL STRENGTH IS OUR STRENGTH

The IEEE Student Branch organized a seminar on 3rd march, 2015. The seminar was presided by the Principal & Branch Mentor Dr.N.Kannan, addressed by Dr. S. A. Sahaya Arul Mary Dean of Academics & Branch Counselor. The welcome address delivered by Student President Mr. J. P. Anish Jobin final year EEE. The chief guest was Dr.P.Venkatachalam, Associate Professor, Mechanical, JCET. He delivered a talk on material science. He started with an easy approach "What is a material?" as nothing to get disturbed. He commented that our body is a mixture of many materials. Basically four materials such as metals, plastics, ceramics and composites. He made the students to think about the Delhi Pillar that has not rusted till after 1600 years. giving evidence about the high level skill of ancient people. He experimented some ideas for testing stainless steel using magnets. With this he explained the durability of aluminium reinforced steel. He also gave consistency and operation of airlines and ships. Finally he gave a clear vision of the high technology today in Nano science and application. He concluded the program by showing them many applicative videos like mud, water, oil and paint resistant material. The feedbacks from the students were arrowed to which apt clarification were given. The students were tuned with new ideas of using the Nano's. Towards the end the student Branch coordinator Prof.M.Bhoopathi gave the vote of thanks.



RATHINAM TECHNICAL CAMPUS

Impact of IOT in Nano Technology

IEEE Student Chapter and the Department of CSE & IT organized a "One day Seminar on Impact of IOT in Nano Technology" on 2nd March 2015.



The objective of this event is to focus on important aspects of IOT and to promote borderless discussion, identifying suitable technical solutions, in particular building blocks, smart services, security, to enable effective and efficient IOT system design and implementations. Welcome address was given by Prof.S.Shanthi, Head of the Department of Computer Science and Engineering. Dr.Madan A.Sendhil, Chairman, Rathinam group of Institutions, Prof.R.Manickam, Chief Executive officer, Rathinam Group of Institutions, Dr.G.P.Rajamani, Principal, RTC and Prof.S.Syed Shajahaan, AO & Head of the Department of Information Technology participated. Mr.A.Peter Manoj, SFT - Industrial Collaborations, CeNSE (Centre for Nano Science and Engineering), IISc (Indian Institute of Science), Bangalore was the Chief guest. He highlighted the necessity of IOT in real world. He also explained about sensors, Role of IOE in Big data, impact of nanotechnology which helped students to identify the potential applications of IOT. Nearly 150 students and 15 faculty members participated. Vote of thanks proposed by Prof.S.Syed Shajahaan, AO & Head of the Department of IT.

Reported by: Ms.V.ManoChitra, Assistant Professor, Department of CSE,

ST.JOSEPH'S COLLEGE OF ENGINEERING

TECHNICAL WORD VOLLEY

Technical WordVolley was conducted on 11th March 2015.. It was a pen and paper test consisting of one technical cross word puzzle and one non-technical **cross** word puzzle. Total of 28 teams with 2 members in each, participated. Based on the results of prelims 16 teams were selected for finals. The finals were conducted on 12th March. It consisted of 3 rounds. First round was "Brain Squeezers", which had 8 picture puzzles. Second round was "Word Volley" in which one member of the team has to find two words (one technical and another non-technical) based on the clues given by another member of the same team. On the basis of results of two rounds 8

teams were selected for Round 3. The third round was “Word Pool”. In this round the teams had to assemble words using the letters from the given word.



From the results of round 3 winners were selected

ORGANISERS : NISHEVITHA R (II yr EEE) and CHITRALEKA K (II yr EEE)
WINNERS: First place : SUBRAMANIAN C (IEEE) and SANTHOSH M R (III EEE).
Second place: JAGAPUTHRAN S (II ECE), JOHN EAPAN (III ECE)
Third place: E. SENTHAMIL SELVAN (II EEE), and T. SENTHILNATHAN (II EEE).

Reported by: Jannath Nisha

KONGU ENGINEERING COLLEGE

AVANZARE 2K15

A National Level Technical Symposium “AVANZARE 2k15” was organized by IEEE Student Branch on 24th & 25th of February 2015. 200 students from various institutions participated. Prof. K. NARAYANAN, Branch Co-ordinator proposed the welcome address. The presidential address was delivered by Prof. S. KUPPUSWAMI, Branch Counselor. The felicitation address was given by Thiru. V. K. MUTHUSAMI, Correspondent of KEC. Mr. H.R. MOHAN, President, Computer Society of India threw light on “Internet of Things (IoT) and Current Projects on Information Technology (IT) in India” which helped the students to enhance their knowledge on those topics.



This was followed by the event “Papel Prezenfacia” (paper presentation) in which the students expressed their innovative ideas on the streams of computer science and automation with a count of 12 papers. The event “Presentaze Projekt” (project presentation) was conducted in parallel, which paved way to exhibit their innovations. An event “CODROID”, for manipulating the C programs and to test the students’ programming skills was conducted. The event “KVIZO WETTEVERV” (Quiz) was conducted simultaneously, where questions related to engineering were thrown and the participants effectively answered them by recollecting the subjects studied earlier and it evaluated the students’ logical thinking in the final round. The prizes were distributed by Prof. K. NARAYANAN, Branch Coordinator and vote of thanks was proposed by Ms. R. SUBA KEERTHANA, Chairperson of WIE. “Papel Prezenfacia” (paper presentation)” which scrutinized the research works of young talents from ECE and EEE streams with a count of 20 papers. Simultaneously, the poster presentation was held. The event called “CIRCUITRIX” which focused on solving the issues which impart the students’ technical skills and evaluating the students’ core electronic and simulation software knowledge was conducted. . The event “PHOTOGRAPHY” to test students’ visual arts and photographic skills was conducted. The events “LINE FOLLOWER” and “ROBO SOCCER” were conducted. The event “CONNECTRONICS” was conducted to evaluate logical thinking of the students using pictures. The event CHAZ-O-HUNT was conducted to evaluate the students’ teamwork and observation skills. The prizes were given by Prof. K. NARAYANAN, Branch Co-ordinator, IEEE KEC. The vote of thanks was proposed by Ms.T.SURIYA, vice-chairman of WIE.

Reported by: S. Bathusha, Secretary, IEEE Student Branch

ST.JOSEPH'S COLLEGE OF ENGINEERING

EXPLORE TO SCORE

The mind hunting game Explore to score comprises of four rounds. First round is “QUIZ” which was a written-test conducted for ten minutes. In this round, ten women achievers have to be guessed within 10 minutes with the help of hints given. They were also asked to match the achievers with their achievements. The Second round was “PASS IT ON” which is an interesting round. In this round each team should prepare their own set of 3 hints that represent the best women achievers whom they had selected. These questions were passed on to the other teams for which they are unable to find the answer. Third round was the quickest round “WORD PLAY”. Five categories related to women were selected and each team should say a word related to that category instantly without delay. Final round was “PICTA QUIZ”. Two photos of women achievers were shown to each team and it was found by the participants. Hints were given regarding those persons. From the results of these four rounds the top three scorers were selected.



ORGANISERS :MEGHNA(III EEE), ROSHNI ARUL(II EEE)UMA DEVI(II EEE), and AAGHAVE(II EEE)

WINNERS: FIRST PRIZE:B.SOWMIYA (II EEE), 93146015,A.TINA(II EEE),J.S.SHILPA (II EEE), and MADHUMITHA(II EEE)

SECOND PRIZE: G A .NAVEENAA (II EEE), R.NISHEVITHA (II EEE), M.PREETHIKA (II EEE),and R.MONISHA (II yr EEE)

THIRD PRIZE:SUNANDA(III EEE), S.MOHANA PRIYA (III EEE), Mohanapriya.s K.SAHANA (III EEE). And T.SAHITHI (III EEE)

Reported by: Jannath Nisha

SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY

Mock Interview

The IEEE Student Branch organized a Mock Interview for the III year students on 28th February 2015 .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, and various HRs from TCS , Accenture , CTS and various other MNCs. 150 participated in all the 4 rounds which

included 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. Panel Discussion with all the HRs was conducted. 1



Reported by : Chelliah R, Secretary – IEEE SMIT SB

Solar PV

IEEE Power and Energy Society hosted a two day Workshop on Solar PV on 25th & 26th February 2015 for the students of the institution. The workshop was inaugurated in the presence of Dr.R.M.Suresh, Principal, Prof.G.Janaki, HOD , EEE Dept, and 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.



The basics and fundamentals of solar and solar panel design was covered and all the components of a solar off-grid plant was covered. 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.

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

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 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.



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

Coimbatore Institute of Engineering and Technology

A Plunge into Application Security



IEEE Student Branch conducted a technical seminar for all the final year students of CSE, ECE, EEE and IT on 28th February 2015. Mr.G.Ranjith, Placement Trainer addressed the students on the topic “A Plunge into Application Security”. During his address, he covered the following topics: What is application security?, importance of application security, top 10 OWASP vulnerabilities, and demos on few top vulnerabilities. Totally 60 students attended.

Reported by: Saravanan.B, IEEE Student Branch Counselor

Prathyusha Institute of Technology and Management

NATIONAL SCIENCE DAY

National Science Day celebrations was organized on February 28, 2015. The programme was inaugurated by Dr.P.M.Bealuh Devamalar, Principal, Dr.V.Thulasibai, Vice Principal. Model making, paper presentation, painting and quiz events were organised. 51 students participated. In each event best three contestants were given prizes. The valedictory function of the programme was conducted and Dr. D. Arivuoli, Professor Physics and Chairman, Sports Board of Anna University, Chennai was the chief guest. In his address, he highlighted the scientific advancements which benefited human race especially in the fields like agriculture, medicine, and information technology and nano science. Dr. Arivuoli also honoured winners of the competitions. Dr.P.Theriappan, Head, Department of Biotechnology, proposed vote of thanks.

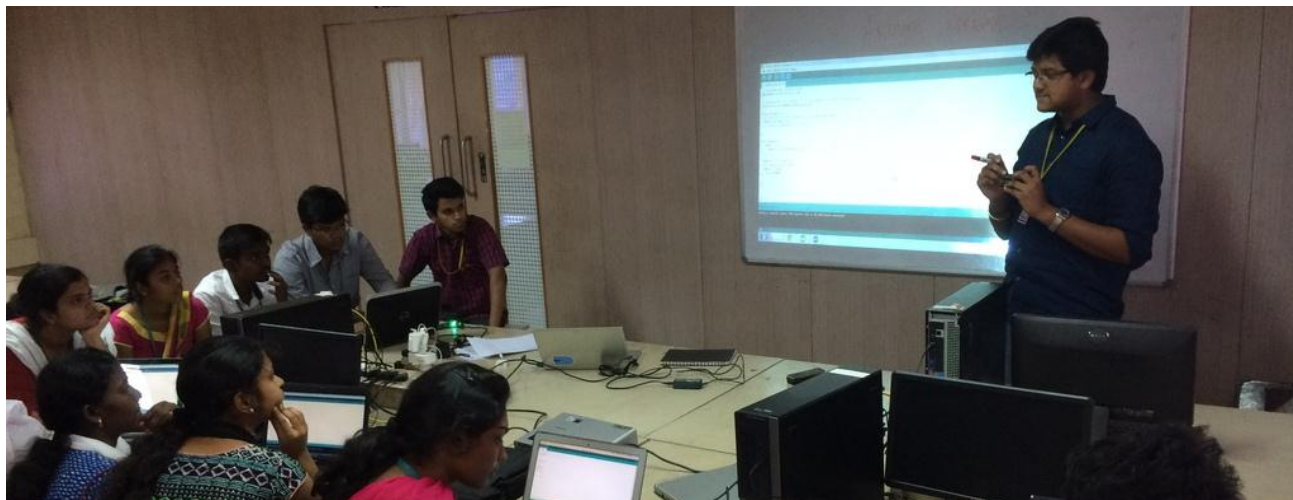


Reported by: Dr.M.Moorthi, Associate Professor/ ECE, IEEE Student Branch Coordinator

SRI VENKATESWARA COLLEGE OF ENGINEERING

Arduino

The IEEE student branch started a Students' Research Club to bridge the gap between theoretical fundamentals and its application to perpetuate Practical skills on trending Engineering practices through Workshops and Applied Research. The Club completed its first Arduino workshop series on the 2nd of March, 2015. The objective of the workshop on Arduino was to provide the students of first year with an understanding of Embedded Systems and provide them with the knowledge and skill that would permit them to self-explore and build hardware solutions of their liking. The workshop dealt with interfacing of various shields like the LCD shield, 7-segment display/DTMF shield, proximity sensor, relay boards and relay boards with the Arduino-Uno board which gave an insight to development of practical embedded systems. This club is an initiative by three students - Vikram Balakrishnan, Aditya Narasimhan and Prashanth T V, IEEE student branch members from the Electronics and Communication Engineering.



Reported by: Vikram Balakrishnan and Prashanth T V.

Mepco Schlenk Engineering College

AUTOCAD

Workshop on AUTOCAD was conducted on January 23, 2015. The goal of the event was to train the students with basic knowledge about AUTOCAD software. This event focuses on the basics commands used in AUTOCAD especially for designing 2D diagrams. The event started at 5.15 PM in which topics on drafting and designing were dealt. A basic drawing was created with basic commands with each and every commands and tools explained individually. A detailed explanation about the basic settings to be done before using the drawing area was delivered. Student branch counselor Mr.C.Kalayana Sundaram concluded the session by providing the certificates to the participants.

Reported by: Vinith V

KNOWLEDGE INSTITUTE OF TECHNOLOGY

IEEE – in Technology Innovations

The IEEE SB in association with ECE department has organized a guest lecture on “IEEE in Technology Innovations” 27th February, 2015. Dr.PSS.Srinivasan, Principal, presided over the function and delivered the Presidential Address. Dr.N.Santhiyakumari, HOD/ECE welcomed the gathering. Mr. A.NAGAPPAN, Chairman in IEEE Aerospace and Electronic System Security, Branch Counsellor, IEEE – Student Chapter, and principal of VMKV Engineering College was the guest of the program. The lecture was focused on IEEE and Technological Innovations. The guest shared about the societies, IEEE’s contribution to society and the affinity groups of IEEE



like GOLD, WIE, LIM etc., The students were also given the clear idea about the benefits of IEEE which includes scholarships, grants, fellowships, awards etc. and how to apply for all those scholarships and awards. 72 IEEE Student members from various branches participated.

IEEE –WIE One Step Ahead

The IEEE-WIE in association with department of ECE has organized a guest lecture on “IEEE – WIE One Step Ahead” for 28th February, 2015. Dr. PSS. Srinivasan, Principal, presided over the function and delivered the Presidential Address. Dr. N. Santhiyakumari, HOD/ECE welcomed the gathering. Dr. RAMALATHA MARIMUTHU, IEEE WIE, Student Chapter Coordinator, Professor & Head, Department of IT, Kumaraguru College of Technology, Coimbatore was the guest of the function.



The resource person started the session with the mission and vision of IEEE-WIE and how women and men collectively work together and innovate new products for the benefits of humanity using their talents through WIE. She also shared how WIE helps in recognizing women achievements, organizing programs, providing assistance etc. The encouraged the students to involve in social, Non-technical activities where one can develop Communication, Networking and Leadership skills. 72 IEEE Student members participated.

MAKE A PRODUCT

On 18th Feb-2015, IEEE Students branch, INTEC Association and ECE Department organized “MAKE A PRODUCT” for the students. Products related to electronics field were displayed. Students from 2nd and 3rd year displayed their products. The students explained their products to juries. Prizes were given depending on their presentation of their products. Dr. PSS. Srinivasan, Principal overviewed the student products. The function was presided by Dr. N. Santhiya Kumari, HOD/ECE.

IEEE Spectrum

IEEE Student Branch conducted a discussion session about the IEEE SPECTRUM MAGAZINE on 5th February 2015. M. Bharanidharan, IEEE SB Faculty in-charge explained the importance of IEEE spectrum. Every members of SB voluntarily shared their ideas on different topics. ECE students discussed on “Transistor from Silicene” and “Flying Selfie Bots” were discussed by CSE students and “Autonomous Quad Copter” by EEE students. Ms.R.Nithya, SB faculty in-charge motivated the members for their active participation.



Make Your Mark

IEEE Student Branch conducted an event on Make Your Mark for IEEE & Non IEEE members in all departments on 28th February 2015. Theme for boys was Green Technology and for Girls Women – the Power and Status. All Department students were actively participated in event like Sand art, Oil painting, Egg painting, Paper art, Pencil art, Glass painting, Embroidery, and Meganthi. Prizes were given for the winners of the events.

Reported by: Hemalatha.R, IEEE Student member

NATIONAL ENGINEERING COLLEGE

IEEE COMPUTER SOCIETY STUDENT BRANCH CHAPTER organized, a knowledge gaining Program for II Year CSE Students on the topic “Algorithm and Analysis” on 25.02.2015. 120 students participated.



Reported by: Dr.B.Paramasivan, Branch Chapter Advisor

Saveetha Engineering College

IEEE International Conference On Innovation, Information in Computing Technologies (ICHCT 2015)



IEEE International Conference on Innovation Information in Computing Technologies was organized on 19th& 20th February 2015. Mr.A.Vijayaraj, HOD, Dept. of IT welcomed the gathering. Dr.R.Venkatasamy, Principal, Saveetha Engineering College addressed the gathering about the importance of internet of things. Dr.P.Latha, Professor, Dept. of IT gave a brief introduction about the conference. The conference was inaugurated by Mr.RaviSubramanian, Project manager, Qualcomm. The chief guest narrated the current scenario of the wireless technology, products and its services. The Key note address was given by Dr.R.Raman, Director, Symbiosis University, Pune-India and in his address he specified the importance of strong database, how to overcome the existing problems and how to solve it to make living easier. Dr.R.M.Suresh, Principal, SMIT, Chennai-India gave a key note on current scenario and the features of Database set. 60 papers were selected after review. The conference sessions had a series of invited presentations chaired by Prof.B.Balamurugan from VIT University and Dr.M.Marikannan from Institute of Road and Transport Technology, Erode. Papers presented in the Conference would be published in IEEE xplore digital Library.

Reported by: Dr.P.Latha, Professor/IT

SRI RAMAKRISHNA ENGINEERING COLLEGE

TECHKOMOS'15

The IEEE Student Branch organized a National Level Technical Expo - 'Techkosmos' 15 on 13/02/2015. The event was inaugurated by Dr.K.Porkumaran, Principal, Dr.N.G.P. Institute of Technology, Coimbatore. He briefed about the technology and its advancement for the betterment of humanity and Dr. P.Karuppusamy, Principal In-charge, welcomed the gathering and Prof. S.P.Rajkumar, Professor and Head, Department of Electrical and Electronics Engineering briefed about "TECHKOSMOS 15". 60 participants from various colleges in Tamil Nadu participated. Project Presentation, had around 5 teams presenting their innovative ideas, which were judged by eminent Professors of the College. The Paper Presentation competition had representation of over 30 teams propounding their ideas that reflected the ways of advancing technology for humanity. 30 participants were seen for photography. There were various Fun Events that helped in engaging the participants as well as the Guests. The Event was also cherished with the certification of appreciation for the winners of the weekly intra college quiz competition-AUSFRAGEN, successfully organized by the IEEE Student Branch. The Judges of



respective events appreciated the winners of the events and their participation and awarded the certificates of appreciation. The IEEE Student Branch Awards “Duke of TECHKOSMOS 15” was given to S. Karthikeyan, B. Aadhirai, G.S. Prithev, D. Praveena, and B. Krishna Kumar, who played a key role in organizing Techkosmos'15. R.S. Arun Raj was awarded the title “YOUNG ENGINEER”.

Reported by: K. Balamurugan, AP/EEE

AWARENESS PROGRAMME ON ENGINEERING EDUCATION FOR SCHOOL STUDENTS

IEEE SB of Sri Ramakrishna Engineering College in collaboration with CTS had organized a one day visit to Parli, near Piloor Dam on 7, February 2015. It was an “OUTREACH” program where the Student Members visited a government run school and spent ample time with them. The main objective was to educate and share our views for the betterment of their future. There were about 21 student members who attended this program along with the employee volunteers from various MNCs such as CTS, TCS etc. who were working as a part of a new NGO named “KALAM PUTHIDHU” on regular basis serving the society with such activities. A self-introduction of each other and a brief discussion about the NGO and its various activities were given. Non-biodegradable things present around the school campus such as bottles and plastics were collected. This was a part of the “Swachh Bharat” Campaign launched by our Prime Minister Narendra Modi. The student members were divided into groups of three and split up to different areas for the cleaning process. There were a total of 74 children in the school. Games and various activities like singing and dancing were organized for them. The outside world and its exposures were the topics briefed to them. Later on various gifts which they had wished to possess were being distributed as part of the CTS OUTREACH program, were employees working there gift wrapped the gifts and had sent it to the school children as a token of their love. The various gifts comprised of watches, cricket bat and ball, storybooks, notes, umbrellas etc. Then few students shared their views on their gifts and thanks giving note was sent to the senders of the gifts. These were the various activities which formed the integral part of the OUTREACH program.

Reported by: K. Balamurugan, AP/EEE.

St. JOSEPH'S COLLEGE OF ENGINEERING

8 Students from Department of Electrical and Electronics Engineering , St.Joseph's College of Engineering had participated in “The One day workshop on Drone Tech, Sensors & Internet of Things(IOT)” held at IIT Madras Research Park , Organised by IEEE Power & Energy Society(Madras Chapter) on 27th February 2015.

Reported by: JANNATH NISHA H.

JAYARAM COLLEGE OF ENGINEERING AND TECHNOLOGY

TECHNICAL QUIZ COMPETITION

The IEEE Student Branch organized a Inter College level “Technical Quiz Competition” on 28th Feb, 2015. The welcome address was delivered by Student President Mr. J. P. Anish Jobin final year EEE. The Quiz competition was presided by the Principal & Branch Mentor Dr.N.Kannan. Dr. S. A. Sahaya Arul Mary Dean of Academics & Branch Counselor addressed the gathering. A inter college level Quiz competition was conducted for various Departments like EEE,ECE,CSE,E&I,IT in which 45 teams of 90 members were participated. 8 teams were short listed for final round and were quizzed in four modules: General knowledge, Logics & manias and True or false; Eye teaser, personality identification and Taglines; Fun world-Movies, world in world and dumb-c; where the questions based on sports, science, history, innovation and technology and current affairs. The winners are 1.) D. Sharumathi and Rajadurai sindhuja (III-cse) 2.) R. Arun venkitesh and K. Ganasekaran (IV-eee) 3.) A. xavier jerfin and K. Prasanth (III-E&I). SB coordinator prof. M. Bhoopathi thanked all the participants and the prizes and certificates were distributed to students by Principal Dr. N. Kannan.



Reported by: Prof. M. Bhoopathi, AP/EEE

**Faculty Development Programme
on
Big Data Analytics with Hadoop**



The IEEE Madras section & IEEE Student Branch of Vel Tech Dr.RR & Dr.SR R&D Institute of Science & Technology, Avadi, Chennai Organized and Supported by IEEE CS, Madras Chapter & IEEE CIS, Madras Chapter conducted a Faculty Development Programme (FDP) on 29th and 30th December 2014. The programme was attended by 56 faculty members of Various Universities and Institutions from all over TamilNadu & Karnataka. The coordinators of the program were Dr.N.Kumarappan, Professor of Electrical Engineering, Annamalai University and IEEE Madras Section Educational Activity Chair, Chair-IEEE CIS Madras Chapter, Dr. P. Visu, Associate Professor & Head and Dr. S. Koteeswaran, Associate Professor, Department of CSE. Dr. E. Kannan, Registrar, welcome the gathering and followed by the Special Address by Dr. Beela Satyanarayana, Vice Chancellor. The felicitation address by Prof. E. Kamalanaban, Dean SoE&C and the special address was given by Dr. N. Kumarapan & Mr.Thiruvalluvan M.G. The Resource Persons for the program were Mr. Thiruvalluvan M. G., Architect, Altiscale, Dr. P.Venkatesan, Professor –Research, Sri Ramachandra University, Mr. H. R Mohan, Chairman, IEEE Computer Society, Madras Chapter & President, Computer Society of India & Mr. Bharath Kumar Dasa, Senior Systems Engineer, Infoys, Chennai. The topics covered were Hadoop as a Service, Machine learning Approaches for Big Data Analytics, Big data Opportunities, Getting started with Hadoop Deployment Hands on Training and the session ended up with Map Reduce, PIG & HIVE. Finally we concluded with Valedictory function addressed by Mr. H.R Mohan and vote of thanks by Ms. Geetha Rani. K & Ms. R.T.Thivya lakshmi.

Reported by Dr N Kumarappan, EAC Chair, IEEE Madras Section

News letter of the IEEE Madras Section
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Mr. H.R.MOHAN, Prof. T.MICHAEL N KUMR

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