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Message from Chairman



Dr. N. R. ALAMELU

Esteemed Members,

Greetings,

It is time for the IEEE Madras Section to consolidate the activities conducted by the student branches, society chapters and the affinity groups. The statistics from the Madras Section and also from R10 indicate that there is a sharp decline in the membership. As an IEEE member and also as the chairperson of one of the largest sections in R10, I feel that we have the responsibility in motivating the Student branches to be active and creative in coordinating the activities which would benefit the members for their professional development and growth.

If the involvements of the members increase it would certainly result not only in the increase of the membership but also in sustaining the membership. I request the student branch counselors to constantly work on these initiatives so that we remain as one of the largest sections in the Asia Pacific region with activities being conducted for the benefit of all members. This would certainly place our section in the global map of IEEE making everybody a very proud member.

Best Wishes

YOUR AFFECTIONATE OFFICE BEARER

Dr. N. R. Alamelu

Message from the Editor



Dr. S.ARUMUGAM
arumugamdote@yahoo.co.in
+919965099900

I am happy to write editorial for the November issue. U.S. President Barack Obama's proposed fiscal 2016 budget will include \$4 billion to provide states with money to develop computer science programs, and another \$100 million in grants available directly to school districts to further computer learning. In addition to encouraging the creation of computer science programs, the money will be used to build programs that attract students who typically are not served by that education segment. The U.S. National Science Foundation will invest \$120 million in developing instructional materials for schools and resources to ensure teachers are prepared to educate students in computer science. Meanwhile, the U.S. Corporation for National and Community Service is pledging \$17 million to support similar educator training. Obama's agenda includes improving U.S. citizens' computer science knowledge so they can participate more effectively in an increasingly computer-driven economy. "This isn't just a tech issue, this isn't just an education issue, computer science education is now an economic and social imperative for the next generation of American students," says Microsoft President Brad Smith. The importance of Computer Science Education is important for the development of our country also.

Dr. S.ARUMUGAM

PRIYADARSHINI ENGINEERING COLLEGE
IEEE Sponsored “Technical Seminar” in association with
IEEE Computer Society (Madras Chapter)
&
IEEE Product Safety Engineering Society (Madras Chapter)



A Technical Seminar on “Digital India, Make in India, Skill India, Consumer Electronics Product Safety and Recent Innovations in Nanotechnology” was organized on 28th Oct 2015. Dr. P. Natarajan, Principal, welcomed the guest and delivered the Presidential address. Dr. R. Thilepa, SB counselor provided the seminar overview. Chief Guest Mr.H.R.Mohan, Chairman, IEEE Computer Society (Madras Chapter) presented a session on Digital India, Make in India and Skill India. He explained about the impact of Digital India, Nine pillars of Digital India, Make in India and its importance represented by our Prime Minister Shri. Narendra Modi and initiatives. He added how the Skill India initiative will support both Digital India and Make in India. Dr. R. K. Vimalnathan, Treasurer, IEEE-PSES (Madras Chapter), in his technical presentation, briefed on the importance of Consumer Product Safety and covered various techniques of energy saving concepts by renewable energy in solar systems and efficiency of various designs and challenges with regard to sustainability, environmental concerns. Dr. R. Thilepa, IEEE SB Counselor, PEC, delivered a session on Recent Innovations in Nanotechnology and their applications used in various field like Medical, Electronics and Biotechnology. Mr. V. Jayaprakasam, Chairman, IEEE-PSES (Madras Chapter) elaborated and provided the highlights of the IEEE Membership benefits to both the students and faculty members and motivated the participants to become members of IEEE and societies of their professional interest. This program was conducted for the benefit of faculty members of all streams of engineering, UG and PG students of all streams. Around 30 faculty members and over 50 students attended the technical seminar and benefitted by the presentations on various topics by the resource persons.

Reported by: Dr. R.Thilepa

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

The IEEE student branch organized a guest lecture on “PROJECT BASED LEARNING USING MATLAB” on 07.10.2015 by Mr.K.Sivasubramaniam, AP/ECE. Dr.C.Rajasekaran, IEEE Student Branch Counselor welcomed the gathering. Dr. K. B. Jayanthi, Professor and HOD/ECE, in her felicitation, briefed us about the importance of hands on training and particularly mention with the MATLAB Design. She encouraged the students by her full support and told them to develop their own ideas related to electronics and to improve more programming languages in various domains. Dr. K.Thyagarajah, Principal inspired the students through his addressing, by delivering the importance of developing a kit by their technical knowledge and future scope in



the field of Electronics in this developing world. The guest lecture mainly focused on a systematic teaching method that engages students in learning essential knowledge and life-enhancing skills through an extended, student-influenced inquiry process structured around complex, authentic questions and carefully designed products and tasks. The program also covered the programming topics based on MATLAB. The vote of thanks was delivered by Mr.V.Prabakar, AP/ECE.

Reported by: Dr.C.Rajasekaran, Professor/ ECE.

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

INTERNET OF THINGS WITH ARDUINO

The IEEE student branch organized a workshop on “INTERNET OF THINGS WITH ARDUINO” on 09.10.2015 by Mr.J.Tamizharasan, Technology Consultant, Wipro Technologies. Dr.C.Rajasekaran, IEEE Student Branch Counselor welcomed the gathering. Dr. K. B. Jayanthi, Professor and HOD/ECE, in her felicitation, briefed us about the importance of internet of things with arduino. She encouraged the students by her full support and told them to develop their own ideas related to arduino and cloud computing with the help of IOT. Dr. K.Thyagarajah, Principal, inspired the students through his addressing, by delivering the importance of developing a kit by their technical knowledge and future scope in the field of Electronics in this developing world. The workshop is aimed in building internet of things with Arduino.. The vote of thanks was delivered by Mr.P.Navin Karthi, AP/ECE.



Reported by: Dr.C.Rajasekaran, Professor/ ECE.

PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY

REVERSE ENGINEERING

IEEE-EMBS & IEEE-SPS Student Branch Chapters jointly organized Reverse Engineering, a paper presentation contest on 13th October, 2015 with 45 participants from PSNA college of Engineering and Technology. Dr. S Muthukumar, IEEE SB Counselor, Professor, Department of Electrical and Electronics Engineering, was the guest of honor. Mr. P. Mohan Kumar, IEEE-EMBS SBC Advisor, Assistant Professor Department of Biomedical Engineering addresses the gathering. Ms. G. Abirami, IEEE-SPS SBC chair, felicitated the function with a brief introduction about the chief guest. Dr. V. E. Jayanthi, IEEE-SPS Advisor, Head - Department of Biomedical Engineering, Prof. M. Anandaraj, Associate professor, Department of Information Technology and Dr. K. Muralidharan, Professor, Department of Mechanical Engineering were the judges for papers presentation. 30 papers were presented. Three places were awarded for best three papers and



Reported by: Ms. M. NANDHINI, Assistant Professor.

KNOWLEDGE INSTITUTE OF TECHNOLOGY

IEEE DAY 2015 CELEBRATION IN SCHOOL

The IEEE student branch in association with ECE department organized various events in Government school-Vembadithalam as a part of IEEE day 2015 celebration. The following events were conducted.



1). TECHNICAL EVENTS: IEEE awareness video, Knowledge about higher education, Videos about recent technologies

i). IEEE AWARENESS VIDEO: A brief introduction about IEEE and its benefits were given. The knowledge about IEEE digital library, IEEE job site, IEEE TV and IEEE collaborate were also included in it. The active participation of KIOT, IEEE student branch members and its inclination with IEEE was also projected.

ii). KNOWLEDGE ABOUT HIGHER EDUCATION: In order to help students to move in a right career path, knowledge about different streams to choose after completing their higher secondary were given. The presentation included the career options in Engineering, Arts and Science, Medicine, Law, Management Studies, and Short-time value added courses.

iii). VIDEOS ABOUT RECENT TECHNOLOGIES: Videos about futuristic technologies which are yet to rule the world 20 years down the line were displayed. Those technological videos are related to the upcoming

streams like Recent developments in health care domain, Automation, Biometrics, Biotechnology, Nano technology. Moreover, to trigger the younger minds to think and ink certain motivational videos had also been played.

2). FUN EVENTS: Logo identification, Extempore, Drawing, Poetry, Essay writing. As a part of IEEE DAY 2015 celebration, in addition to technical events many fun events were conducted.

1. In logo identification, the logo of commercial products, automobiles and Multi-National Companies were displayed and many students actively participated in it.

2. In Extempore, pictures were displayed, from which the students were made to create a story by connecting those pictures. In particular this event helps in building their communication and imagination.

3. In drawing competition, the students were instructed to bring out their creativity, pertaining to the topic “My city at 2020”.

4. In poetry and essay writing, the students were given topics like, Nature, Sithariyakanavu, Vaanamkandenvazlvinaikonden and to expose their thoughts. At the end of the day, the best performers in each event were identified. They were awarded with certificates and honored with compliments.

IEEE student branch counsellor Dr.N.Santhiyakumari, IEEE Faculty Incharges, Mr.M.Bharanidharan, AP/ECE, Mr.R.Rasu, AP/ECE, Ms.R.Hemalatha, AP/ECE and IEEE Student volunteers Mr.BarathVignesh, Mr.A.S.HemnathKowshick, Ms.S.JayaVidhyasri, Ms.V.Sowndharya, Ms.R.Gayathri, Ms.C.Sangeetha, Ms.R.K.Sumetha, Mr.R.Dinesh, Mr.A.Balachandran were presided over the events.

IEEE DAY 2015 CELEBRATION IN KIOT

The IEEE student branch in association with ECE department has organized various events as a part of IEEE day 2015 celebration. A brief introduction about IEEE and its benefits were given.. The knowledge about IEEE digital library, IEEE job site, IEEE TV and IEEE collaborate were also included in it. The active participation of KIOT, IEEE student branch members and it’s inclination with IEEE was also projected. The following events were conducted: . Technical Quiz, Group discussion and logo identification. In Technical Quiz 40 Questions were given, the shortlisted students from this round went to group discussion. In Group discussion, they discussed about the recent technology improvement. The shortlisted students from this round went to logoidentification. In logo identification, the logo of commercial products, automobiles and Multi-National Companies were displayed.. At the end of the day, the best performers in each event were identified. They were awarded with certificates and honored with compliments. IEEE student branch counsellor Dr.N.Santhiyakumari, IEEE Faculty Incharges, Mr.M.Bharanidharan, AP/ECE, Mr.R.Rasu, AP/ECE, Ms.R.Hemalatha, AP/ECE and IEEE Student volunteers Mr.BarathVignesh, Mr.A.S.HemnathKowshick, Ms.S.JayaVidhyasri, Ms.V.Sowndharya, Ms.R.Gayathri, Ms.C.Sangeetha, Ms.R.K.Sumetha, Mr.R.Dinesh, Mr.A.Balachandran were presided over the events.

SIGNING OF NDA WITH IEEE-USA

The department of ECE & IEEE-Student Branch, signed a Mutual NDA with IEEE – USA for “Blended Learning Program in VLSI”. Dr. PSS. Srinivasan, Principal, presided over the function. Dr. K. Visagavel, Vice Principal, felicitated the function in the presence of Dr.N.Santhiyakumari, HOD of ECE and IEEE student counselor. The chief guest of the program was Mr.G.B.Venkatesh, Head-IEEE Blended Learning Program in VLSI, Bengaluru. In his address, he encouraged the students to involve in practical learning and develop crucial skills required by industry. Later, he distributed the prizes for the winners of events conducted by IEEE-SB for school students of Vembadithalam Govt. School and for KIOT students as a part of IEEE day-2015.



DISCUSSION ON IEEE SPECTRUM.

IEEE Student Branch conducted a discussion session on IEEE SPECTRUM MAGAZINE ANALYSIS for IEEE SB members on 17th October for IEEE Members belongs to ECE Department and 19th October for IEEE Members of EEE and CSE Departments. Mr. 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 “The Martian space suit” and “Building Bloodhound” was discussed by CSE students and “1000 MPH” by EEE students. IEEE SB members updated their knowledge on various fields and current trends. Mr. M. Bharanidharan, AP/ECE, Mr. R. Rasu, AP/ECE, Ms. R. Hemalatha, AP/ECE, SB faculty in-charges motivated the members for their active participation and the session ended as great inspiration for sharing of knowledge.

FDP ON “ORGANIZATIONAL EFFECTIVENESS”

The IEEE SB in association with ECE department and Human Resource Development Cell organized Faculty Development Program on “**Organizational Effectiveness**” from 03-11-2015 to 04.11.2015. The chief guest for the program was **Mr. S. Venkatanivasan**, Freelance Trainer, Chennai. In the presence of Dr. P. S. Srinivasan, Principal, Dr. K. Visagavel, Vice Principal and Dr. N. Santhiyakumari, Prof & Head/ECE, Knowledge Institute of Technology, Salem. The Chief Guest explained about how to satisfy the Internal and External customers through effective communication. He also explained about the perception, How to avoid the perception and how to become high-flyers in life.



Reported by: Hemalatha. R. IEEE Student member

IEEE MTS INDIA CHAPTER



The Marine Technology Society MTS India section started in 2015 to promote interaction among the industries and Institutes in India and also to attract young talent in the field of marine technology. The activities will be in-line and based on the guidelines of IEEE Marine Technology Society. Recently MTS Marine Materials Committee had elected Dr. R. Venkatesan of NIOT as a Chair. India has submitted their bid to host OCEANS in India during the OCEANS'15 MTS/Genova, Italy. This was successfully presented by Dr. M. A. Atmanand (NIOT) for IEEE-OES and by Mr. Nandakumar (elektronic lab) for MTS. In continuation, a visit of Dr. Albert (Sandy) Williams Vice President for Conference Development, IEEE-OES and Mr. Drew Michel Immediate Past President-MTS was organised by IEEE-OES and MTS to discuss and explore the facilities in Chennai, India for hosting OCEANS in India. During the meeting held at NIOT on 5th Oct 2015, they were shown the willingness and readiness to host the event-OCEANS in Chennai, India. Subsequently they were shown Hotels such as ITC-Grand Chola, Westin in Chennai and Chennai Trade Center which could be the potential conference venues. They also interacted with the members of IEEE-OES and MTS. Mr Drew interacted with students from SRM University Chennai who participated in the AUVSI competition in San Diego USA in July 2015. NIOT sponsored this visit of students and faculty. He had a close discussion on design of AUV, issues with cables and connectors, scope of underwater technology and he also shared his experience with students. Mr. Drew Michel has inaugurated MTS India section website and explained the interest of MTS to support the efforts undertaken by MTS India chapter. He also urged to organise Tech Surge workshop in 2016. MTS India chapter readily agreed and finalised two topics namely Tsunami and Underwater Search. He was confident that MTS India chapter would grow after seeing the enthusiasm shown by the members.

IEEE PHOTONICS SOCIETY MADRAS CHAPTER

INAGURAL FUNCTION

The inaugural function of IEEE Photonics Society Madras Chapter was Organized by IEEE Madras Section on October 23rd, 2015.. Totally 40 IEEE and non-IEEE members attended.. The guests attended the function were Prof.A.Darwin Jose Raju, Treasurer, IEEE Madras Section, and Prof.C.Arunachalla Perumal, S.A Engineering College, Chennai. The function started with reading of the IEEE Code of Ethics. Welcome address was given by Prof.T.D.Subash, Chair, IEEE Photonics Society Madras Chapter. He welcomed all the eminent personalities with great orientation on and off the dias, also welcomed the students. Introduction to Office Bearers was done by Prof.A.Darwin Jose Raju. He briefed the importance and benefits of society chapters. Prof.C.Arunachalla Perumal handled a session on "Recent Trends in Photonics Packets & Future Optical Communication Networks". The Vote of thanks was delivered by Prof.T.D.Subash who felicitated and thanked all the guests for spending their precious time. He also motivated the students to do more volunteering in IEEE. Nagercoil Hub Volunteers Meet was initiated by the Chairperson of IEEE Nagercoil Hub. The meeting covered the Objectives, Outcome and Drawbacks of the congress, Ways to overcome, Future Plans – A glance,

Upcoming event. The Professors *A.Darwin Jose Raju* and *T.D.Subash* guided the student volunteers by giving few suggestions.



Reported by: .D.Subash, Chair - IEEE Photonics Society Madras Chapter, Vice-Chair - IEEE EDS Coimbatore Chapter, Secretary - IEEE MAS Young Professionals, IEEE madras section

FACULTY DEVELOPMENT PROGRAMME



The EEE and EIE department of Jeppiaar Engineering College in association with IEEE Madras Section organized an FDP on “Application of Intelligent Controllers in Renewable Energy Systems” on 30.10.2015. Dr.N.Kumarappan, Professor, Annamalai University, Chair, Educational Activity, Excom Member, IEEE Madras Section had given an insight and detailed lecture on the importance of renewable energy resources and applications of intelligent controllers with real time example in the morning session. Dr.J.Prakash, HOD/IE, MIT campus, Anna University. delivered a lecture on advanced sensors, soft computing techniques and Comparison of various control techniques in renewable energy systems.. The programme was attended by 43 faculty members of colleges and universities from all over Tamilnadu. Dr.N.Kumarappan, Dr.V.Sridevi and Mr.S.Sellakumar were coordinated the programme. The inaugural function was presided over by Mrs.M.Regeena Jeppiaar, Director, in the presence of Dr.G.Sathiyabama, Principal, Jeppiaar Engineering College, Chennai. The program ended up with excellent feedback session, certificate distribution and a valedictory address by Dr. N. Kumarappan.

Reported by Dr N Kumarappan, Chair EAC

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

CARE CLUB ACTIVITY ON MICRO TALK

IEEE-EMBS Student Branch organized a event on Micro talk by CARE Club wing of the Chapter on 09.10.2015. The event was focussed to disseminate the knowledge of general awareness. The event was conducted as a micro talk on topics give on spot. The best presenters were appreciated with certificate.

ADVANCED TECHNIQUES IN IMMUNOTECHNOLOGY

IEEE-EMBS Student Branch organized a one day workshop on Advanced Techniques in Immunotechnology on 10.10.2015 in association with ProGen Private Ltd, Salem. Dr.V.Ganesan, Scientist, ProGen Private Ltd, Salem conducted the workshop. Hands on training on the techniques including differentiation of blood cells, Immuno electrophoresis, Radial immuno diffusion, C-Reactive Protein test and ELISA sandwich tests have been given.



ADVANCED TECHNIQUES IN GENETIC ENGINEERING

IEEE-EMBS student Branch in collaboration with MEDOX Biotech Pvt Ltd, Chennai organized a two days workshop on Genetic Engineering during 12.10.2015 and 13.10.2015. The workshop includes hands on training on the techniques like multiplex PCR, site directed mutagenesis, GFP cloning and DNA mutation detection anlysis.

Reported by: **Dr.P.Ponmurugan, Professor & Head Department of Biotechnology**

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

AWARENESS OF BREAST CANCER



The IEEE-WIE student branch organized a guest lecture on “AWARENESS OF BREAST CANCER” on 17.10.2015 by Dr.Murugesan, Jansons MRI Diagnostic Private Limited,Erode. . Dr.K.B.Jayanthi, IEEE-WIE Student Branch Counselor welcomed the gathering. The objective of this program was to raise awareness and reduce the stigma of breast cancer through education on symptoms and treatment. Supporters hope that greater knowledge will lead to earlier detection of breast cancer, which is associated with higher long-term survival rates, and that money raised for breast cancer will produce a reliable, permanent cure.The vote of thanks was delivered by Dr.K.Santhi, Professor/ECE.

Reported by: Dr.C.Rajasekaran, Professor/ ECE

RESEARCH METHODOLOGY

Department of ECE in co-ordination with IEEE Madras Section and Technically sponsored by IEEE CIS Madras Chapter, organised a skill development program on ‘Research Methodology’ on October 17th-2015 at C K College of Engineering and Technology, Cuddalore. 70 participants attended.Welcome address was given by Dr.N.Mahendran, HoD/Branch counselor of IEEE student Branch. The special address was delivered by Principal Dr.Arun V.Parwate. The inaugural address was delivered by our chief guest Dr.N.Kumarappan, EAC Chair/Secretary, IEEE Madras Section, Chennai. Dr.N.Mahendran, HoD/Branch counselor of IEEE student Branch handled one session. He covered the topics Introduction towards the term research and methodologies, The purpose of research, the concept of research design and its types., the steps involved in the data collection and qualities of good research and its benefits. The II session handled by Dr.N.Kumarappan.



He covered the topics basic knowledge about the IEEE transactions, the ways of publishing the paper in IEEE, different technical articles and websites, the term thinking, creativity and passion.The III session was handled by Dr.G.sasikumar,HoD/Mechanical Engg.CKCET. He had given various possibilities to publish research papers in other than IEEE transactions Vote of thanks was given by P.Jegadeeshwari, Assistant Professor, ECE,CKCET, Cuddalore

Reported by: Dr N Kumarappan.

St.XAVIER’S CATHOLIC COLLEGE OF ENGINEERING

FUZZY LOGIC APPLICATION USING MATLAB

The IEEE Education society Student Chapter conducted a Workshop on Fuzzy Logic Application using MATLAB sponsored by IEEE Education Society, Madras Section on 20th of October 2015. The workshop was organised by T. Riya Benson, Final ECE.The resource person for this workshop was Dr.R.K.Selvakumar, HOD, Department of CSE, Agni College of Engineering, Chennai. The workshop started with a welcome address by Dr.C.Seldev Christopher, Faculty Advisor, IEEE Edusoc(SB62851). He gave a brief introduction about the

resource person Dr.R.K.Selvakumar.He also gave a brief note on the ideas on Fuzzy Logic and explained the sessions in the workshop. The workshop comprised totally of three sessions handled by the resource person providing a clear workout for the participants in each session. A total of 30 members attended the workshop.In the first session he discussed about the Basics of Fuzzy Algorithm. He compared the concepts with the practical examples which made it easier to understand.He talked about the membership and characteristics function and their differences. Various membership functions like triangular, trapezoidal, Gaussian functions were also taught. The second session was on the Digital Image Processing in MATLAB. In this session Prof.Dr.R.K.Selvakumar taught how to read an image through the MATLAB.He also discussed the various ways to see the plots of histogram and ways to perform equalization to obtain an enhanced image.He also explained how to add noise in the image and then to remove it by filtering. This session added a better practical knowledge on the theory concepts dealt.In the last session he explained the application of Fuzzy Logic using a combination of Fuzzy and Digital Image Processing in MATLAB.Finally the sessions get over and the feedbacks from the participants were collected. The memento was given to the resource person by Prof.A Darwin Jose Raju ,Co-ordinator of IEEE Student branch(SB62851). The vote of thanks was given by Krishna Priya S.L, IEEE Edusoc Chairperson (SB62851).

First we thank almighty for making this workshop a great success. Correspondent Rev. Fr. Dr. M. Maria William, Principal Dr.S.JosephSekhar and Bursar Rev.Fr. Benzigar, Mentor had given their continuous support. Mrs.RamalathaMarimuthu, Chair IEEE Education Society, Madras Section helped in organizing this workshop. Professor Dr. A. Darwin Jose Raju and the Counsellor Assistant Professor J.Bright Jose and the Education Society Faculty Advisor Dr. C. Seldev Christopher gave all the support for making this workshop great success.



Reported by: T.RIYA BENSON, IEEE MEMBER#:93478159

IEEE WIE SB AG TECHNICAL GATHERING

The first IEEE WIE SB Affinity Group's technical gathering for the academic year 2015-2016 was conducted on 14th July 2015. The meeting began with the IEEE Code of Ethics read by Ms. Asiyabeevi of III ECE. Ms. Beautlin Jenisha of III ECE welcomed the gathering. Ms. JebaTharisini.D IEEE WIE SB AG chairperson presided over the meeting. She gave a speech about WIE, its objectives and the various awards that are being given to the members of WIE AG. She had also laid a clear plan about the activities that are to be held in the academic year 2015-2016. In the presidential address, Ms. Bertino. C of III ECE gave the motivational speech regarding "Women Empowerment". In her speech, she has enlightened the gathering with women empowerment and also the challenges faced by the women in our society and all around the world. The whole meeting was conducted under the guidance of IEEE SB Coordinator Prof .A. Darwin Jose Raju and IEEE SB counsellor Prof .J. Bright Jose. The vote of thanks was given by Ms. Tanya OF III I.T.

Reported by: Amanda George Perira, IEEE #: 92827620

IEEE TECHNICAL GATHERING

The IEEE SXCCE student branch chapter Education Society technical gathering was held on 25.08.2015. The meeting was held under the leadership of IEEE SB Coordinator Prof .A. Darwin Jose Raju. The meeting was headed by the student branch counselor Prof .J. Bright Jose and the Faculty advisor of IEEE SB EDUSOC Society Prof. Dr. C. Seldev Christopher. The meeting started with the code of ethics by Mr. Benny Jackson of third EEE. Mr. Shreejith A S of second year IT welcomed the gathering. Miss. Mary Dainishya T. N gave the presidential address. Her address was about how to develop motivation in life and how to achieve great success in life through the words of William Shakespeare. The words were "Pleasure and action make the hours seem short". And also she explained the meaning of the words and at last she added that whatever you are going to do at first you just love that and start doing that and that will give you great success. The technical talk was then given by Miss. Giftiya J.Sherlin. She presented on the topic Micro Resonator. She explained the uses and its working mechanism and also she explained the latest innovations and advantages and disadvantages of the micro resonator. The keynote address was then given by Mr. .J. Bright Jose, IEEE SB counselor about the appropriate work of volunteers. The meeting was concluded with the vote of thanks by Ms. Kavya Sree Prakasham of second CSE.

Reported by: Mary Dainishya N, IEEE #:93133794

IEEE TECHNICAL GATHERING

The IEEE student branch 62851 conducted its technical gathering on 15/09/2015. It was held in the presence of Prof. A. Darwin Jose Raju, IEEE SB Co-coordinator and Prof. J. Bright Jose, IEEE SB Counselor. J. Adlin Babisha of final ECE presided over the meeting. The meeting was started with the code of ethics by D. Jeffry Jacob of second EEE. Stephy of second ECE welcomed the gathering. As the president of the gathering J. Adlin Babisha delivered a motivational talk. She insisted not to be a book worm anymore. Students should develop their practical knowledge. She also added that to withstand in this technical world, students should update their knowledge with new technologies. Then discussions on the upcoming events such as Engineers day celebration, IEEE day celebration, IEEE XTREME 9.0 took place. The technical gathering formally ended with the vote of thanks by Shajana Mary of third EEE.

Reported by: Mary Femina N, IEEE #:92789832

KARUNYA UNIVERSITY

OPTIMIZATION TECHNIQUES FOR ELECTRICAL ENGINEERING APPLICATIONS

The IEEE Power Electronics Society (PELS) Student Branch Chapter - SBC31061A organized a One Day National Level Workshop on, "Optimization Techniques for Electrical Engineering Applications", on 03rd November 2015. The workshop was inaugurated in the presence of Dr. Sreedevi.V.T, Chair of IEEE PELS Madras section, Dr.A.Shobha Rekh, Director School of Electrical Sciences, Dr.A.Immanuel Selvakumar, Professor & HOD, EEE Department, Mr.K.Vinoth Kumar, IEEE PELS Student Branch Counselor, EEE Department. The Session-1 was handled by Dr. Sreedevi. and she delivered a Lecture on "Introduction to Optimization Techniques for Power Electronics Systems". Session-2 was handled by Dr.A.Immanuel Selvakumar, and he delivered a Lecture on, "Particle Swarm Optimization & Differential Evolution". Session-3 was handled by Dr.Sishaj.P.Simon, Assistant Professor, Department of EEE, National Institute of Technology, Tiruchirappalli and he delivered a Lecture on, "Fire Fly Algorithm for Generation Scheduling". This was followed by a Session-4 was handled by Dr. V.Jegathesan, Associate Professor, Department of EEE, School of Electrical Sciences, Karunya University, Coimbatore and he delivered a lecture on, "Evolutionary Programming in Power Electronics Applications". Around 40 participants including PG students, Research Scholars and

Faculty Members participated in the workshop programme. The workshop ended with a valedictory session and certificates were distributed for the participants.



Reported by: **Prof. K.Vinoth Kumar, IEEE PELS Student Branch Advisor**

BANNARI AMMAN INSTITUTE OF TECHNOLOGY

IEEE STAC 2K15- Student Technical Awareness Conference

IEEE Student Branch Department of EEE conducted a one Day National Level Technical Symposium on 30 September, 2015. Dr.A.Jeevanandham, IEEE Student Branch counselor, presided over the function and delivered the Presidential Address. Dr S.M.Suneeth Kumar, Professor, BIT welcomed the gathering.. The Resource persons for the event was Dr. A.Jeevanandham, IEEE Student branch Counselor, Professor EEE, Mr. R.Ashok Kumar, Assistant Professor / EEE, Mrs K.T.Maheshwari, Associate Professor / EEE, Mr P.Sudhakar and Ms K.Madhumathi, student/EEE. The symposium comprises of 4 different competitive events and 3 workshops. Around 200 students from various colleges participated and won exciting prizes.

Paper presentation:

Around 180 abstracts were received from various colleges of which 100 papers were selected and 64 teams had participated. The event were conducted in 4 venues. First & Second place from each cluster were selected and awarded.

Poster Presentation:

Totally 10 teams had participated in the event and presented their ideas in the form of poster. Both technical and non-technical ideas were presented. The existing ideas and trending work were critically analyzed and suggestions on how to improve were given. First & Second place were selected and awarded.

Circuit Debugging:

In this event the technical skills of the students were tested. This event contains two rounds. The preliminary round contained the general aptitude & simple technical questions and around 50 teams participated. Ten teams were selected for next round comprised of practical circuit analysis. Design & Implementation of circuit was the selection criteria. First & Second place were selected and awarded.

Media Presentation:

The objective of this event was to dig out the extra-curricular talent hidden inside the students. The talents of student in various fields such as acting, directing, sounds & lighting, editing were identified through their short films screened on this event. Many awareness & thought provoking themes were screened by the students. Totally 10 teams participated. The best film was chosen and awarded.

Workshops: “PLC & SCADA”

The main objective of PLC & Scada Workshop was to make the aspiring engineers acquainted with the conceptual as well as practical knowledge of the Industrial Automation & latest technologies being used to achieve industrial automation. The idea of organizing this workshop was to inculcate the basic fundamentals of automation in the students and provide them with a platform to work on. Mr.Elanchezhian & Mr. Sasikumar Prolific Systems, Coimbatore served as resource person .Around 35 students attended the workshop.

Electronic simulation using PROTEUS software

An in-depth knowledge about ‘PROTEUS’ was given by a series of lectures based learning was delivered by Dr. S.Veerakumar. It was interspersed with exercises on Proteus Software to demonstrate and practice the concepts for simulation discussed in the lecture. Open discussion forum was encouraged. He affirmed that concatenation of Proteus Software will be a powerful tool for simulation. Nearly 25 students had attended and gained the training.

PID Controller Design

Mr.M.Lakshmanan, Asst. professor/EEE served as resource person. He explained the concepts with real world examples and through the PID control tuning simulation software. 30 students participated.

Recent trends in Power systems

IEEE Student Branch chapter and Department of EEE conducted a guest lecture on September, 2015. Dr. S. Balamurugan, Associate Professor/ EEE.,Amrita School of Engineering,Amrita Vishwa Vidyapeetham,Amritanagar, Coimbatore served as resource person. He briefly explained about what are needs an industry expects from the students and how students can develop the skills.

Recent Trends in Electrical Machines

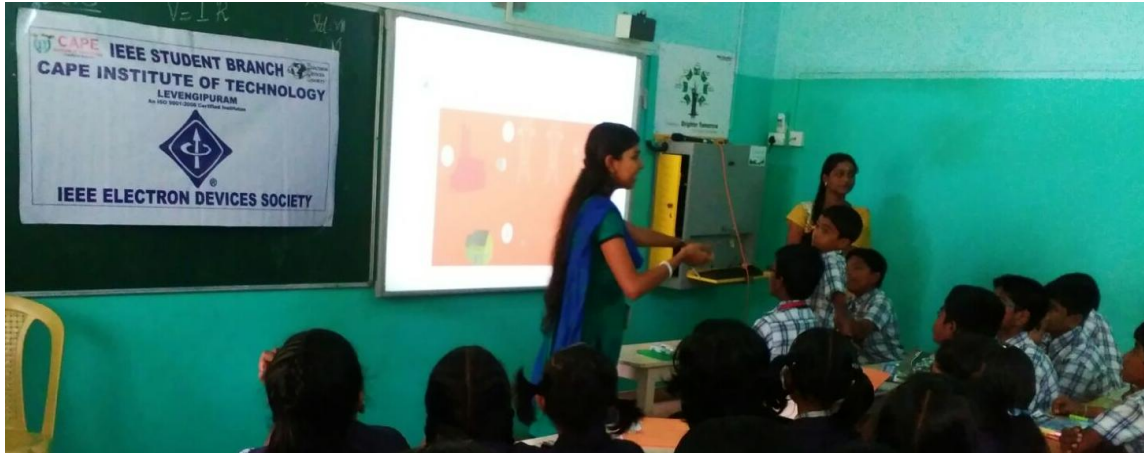
IEEE Student chapter and Department of EEE conducted a guest lecture on 28 September, 2015. The chief guest of the program was Mr.A.Sampathkumar, Energy Auditor and Consulting Engineer, PSG Institutes and Industries. The discussions involved validation of the student’s ideas, and critical analysis of the problem statement given. The existing ideas and trending work were critically analyzed and suggestions on how to proceed were given and it involved ideas of making the machine economical.

Reported by: R.Ashokkumar, Assistant Professor

CAPE INSTITUTE OF TECHNOLOGY SCIENCE TO ENGINEERING – ELECTRONICS KIT DEMO

A “Science to Engineering – Electronics Kit Demo” programme was organized by IEEE Student Branch in association with Electron Devices Society, Coimbatore Chapter on 9th Oct 2015 at Govt. High School, Thirupathisaram. The vision of this programme was to create awareness about Electronics to the school students. 10 Student volunteers from the chapter participated and organized the training programme. Around 33 students of high school classes attended the programme. (18 students from IX and 15 from X standard). The programme started with an inauguration function under the Chairmanship of Prof.P.Nagarajan, HOD/ECE. The training to the students were given with the kit provided by Electron Devices Society (EDS), Coimbatore

Chapter. Some basic electronic component presentations and also explained about the importance of electronics which is creating an impact in this technical world. The participants were grouped into 5 teams and the session started with hands-on training to the students. The students eagerly took part in the training programme. They completed 10 mini projects within an hour. The post-lunch session started with some innovative video presentations about electronics. To make the day more interesting some contests like Quiz, Color Coder and the circuit combo contests were conducted for the students. Then, prizes were distributed to the winners by the volunteers of the student Branch.



Reported by: ASVINI.R.A, SB Treasurer

A "Science to Engineering – Electronics Kit Demo" programme was organized by IEEE Student Branch in association with Electron Devices Society, Coimbatore Chapter on 22nd Oct 2015 at Christ CMI Central School, Anjugramam. The vision of this programme was to create awareness about Electronics to the school students. 12 Student volunteers from the chapter participated and organized the training programme. Around 35 students of high school classes attended the programme. (17 students from VI and 18 from VII standard).



The programme started with an inauguration function under the Chairmanship of Prof.S.Neela, AP/ECE. The volunteers initially explained about the basics of voltage, current, power and energy. The training to the students was given with the kit provided by Electron Devices Society (EDS), Coimbatore Chapter. Some basic electronic component presentations and also explained about the importance of electronics which is creating an

impact in this technical world. The participants were grouped into 5 teams and the session started with hands-on training to the students. The students eagerly took part in the training programme. The post-lunch session started with some innovative video presentations about electronics. To make the day more interesting some contests like Quiz, Color Coder and the circuit combo contests were conducted for the students. Then, prizes were distributed to the winners by the volunteers of the student Branch.

Reported by: ASVINI.R.A,SB Treasurer

St. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING

ENGINEER'S DAY

September 15th is celebrated as Engineer's Day to commemorate the birthday of the legendary engineer Visvesvaraya M. IEEE Student Branch 62851 celebrated the "Engineer's Day" on September 17th on the theme "Engineering Challenges for Knowledge Era". All the budding engineers of IEEE attended the celebration. The meeting started with the code of ethics by Junia Tryphosa P, Vice Chair of Student Branch. Prof. Bright Jose J, IEEE Student Branch Counselor welcomed the gathering. Principal Dr. Joseph Sekhar presided over the function and gave the presidential address. He shared his experience of being an engineer. Also he brought to the engineers his college life, his achievements as an engineer. He also addressed the gathering about the engineering scopes and openings that developed from earlier days till now. The Chief Guest was introduced to the gathering by Prof. Subitha A, Faculty Advisor, IEEE SB WIE Affinity Group.



She gave a brief note about the chief guest. The chief guest Er. Arul Jerald Prakash is an IEEE member currently working in Kerala Section. He motivated the budding engineers to participate in various conferences. Attending conference may help the engineers to develop technically as well as in their professional life. Engineers should make best use of the available opportunities. He also gave a note on why the day is being celebrated as engineer's day. In his view, engineers are nation builders. He also shared his experience of attending various conference and the benefits he gained from those conferences. He also told the importance of learning engineering. According to him, if a student can disassemble and assemble device he could be called as an engineer. Also he made a statement that there is no use of learning engineering without practical knowledge. He concluded by telling engineers should contribute for the development of India. Prof. Seldev Christopher C, Faculty Advisor, IEEE SB EDUSOC felicitated the gathering. In his felicitation, he added many things about the engineering tricks. He added that an engineer must be the one who will be able to address the community problems in a technical way. Finally, the vote of thanks was given by Jeba Femi W J, Treasurer of IEEE Student Branch. Various events like Creative Engineers, Topic Presentation, Case Study, Quiz, Photo Contest and Video Contest were conducted which would help the budding engineers to improve their creativity, presentation skill and decision making skill. The meeting ended with Prize Distribution for the winner, given by Prof. Darwin Jose Raju A, Coordinator IEEE SB 62851.

Reported by; W.J. Jeba Femi, Treasurer, IEEE SB.

IEEE SB 62851 EDUSOC TECHNICAL GATHERING

The third IEEE SXCCE student branch chapter Education Society technical gathering of the academic year 2015-2016 was held on 22.09.2015.. The meeting was held under the leadership of our IEEE SB Coordinator Prof .A. Darwin Jose Raju. The meeting was headed by our student branch counselor Prof .J. Bright Jose and our Faculty advisor Prof. Dr. C. Seldev Christopher. The meeting was started with the code of ethics by Miss. Ankayarkanni of 2nd ECE. Miss. Panchami of second year CSE welcomed the gathering. Miss.Vincy.A.Sariga Vincent of final IT gave the presidential address. Her address was about IEEE academic .She told that the education is not just by hearing the concept but use that concept to develop more application. She also insisted on the use of IEEE digital Explorer for the reference. It will help to develop the ideas which you have. The technical quiz was then conducted by Miss. U. Aishwaraya Rani of final IT .Questions were asked in common to those attended the meeting and prizes were given to the winners. Then we discussed about the IEEE day competitions, IEEE Xtreme program and also the Workshop on fuzzy Logic using MATLAB application to be conducted in the month of October. The meeting was then concluded with the vote of thanks by Ms. Jessie Judi Robinson of second ECE.

Reported by: Mary Dainishya N

PANIMALAR INSTITUTE OF TECHNOLOGY

AIYEHUM 2014 – THIRD PRIZE

A Khadar Shareef, J Ranjith Kumar, C Arvind and P Vivek Anand from IEEE Madras Section students of Panimalar Institute of Technology have won Third Prize in AIYEHUM 2014 Challenge securing a prize money of USD 100 and certificates for their project Accident Prevention Using Intelligent Breaking System.

COMMUNICATION SKILLS

IEEE student branch organized a guest lecture on Communication Skills on 30th June 2015. The session was presided over by Mrs. Sofia Vincent, Assistant Professor, M.B.A.,. The session covered points on how communication plays a major role in any sector, the various delicacies in the language and the methods by which our communication skills can be improved. About 75 students actively participated. .

APTITUDE TRAINING PROGRAMME

To enhance the aptitude skills of Final year students and make them ready for placements - Career Development Cell and IEEE-SB in association with Productivity Reach, Bangalore organized a one week Aptitude Training Programme during 22.6.2015-30.6.2015. Training Sessions are supported by elitist experts from Premier Business Schools.

HIGHER STUDIES IN ABROAD

IEEE student branch PIT in association with PIT alumni cell arranged a guest lecture on Higher Studies in Abroad to the students of ECE department on 1st July 2015 for which the speakers were Mr.Arun Kumar, Perusing MS in Kyungpook National University, South Korea and Mr.Prem Kumar, Perusing MS in New Jersey Institute of Technology, US. The session gave the students various insights on how to prepare for doing MS or MBA in abroad and the application process. This event attracted around 650 students.

EXPECTATION OF INDUSTRIES FROM YOUNG ENGINEERS

On 1st July 2015 a Guest Lecture was conducted on Expectation of Industries from Young Engineers, by Mr.Ram Prashanth, Embedded Developer, Bosch Automotive Steering, Coimbatore. The session involved talks

on how to prepare to get into the core companies, what type of skills they need, the prerequisites and other expectations of the industry. This event attracted around 650 students.

MATLAB & ITS APPLICATION IN POWER ELECTRONICS

IEEE student branch in association with department of EEE conducted a Short term course (STC) on “MATLAB & ITS APPLICATION IN POWER ELECTRONICS” from 02.07.2015 -24.09.2015 for Third year students of EEE Department. The STC focused on how to use MATLAB software for various applications. Demonstration of the simulation of converter circuits using MATLAB was demonstrated.

ANTENNA DESIGN

Short term course for the final year ECE department students on Antenna Design from 6th July 2015 to 31st July 2015 was organized by IEEE-SB. The short term course was aimed at students who are about to do their final year project in the antenna domain. The course discussed on the design and construction of various antennas.

PSPICE

Short term course on “PSPICE” was conducted from 07.07.2015 -22.09.2014 for Second year students of EEE Department. The STC focused on designing a circuit in a PSPICE. The information imparted to the students will be useful for them to progress with the ideas rendered by them in implementing basic circuits using PSPICE.

LEARN BY DOING

IEEE Student Branch in association with the Entrepreneurship Development Cell of PIT organized a guest lecture on LEARN BY DOING on 11th July 2015. The speaker of the meet was Mr.Sunilraj Sudhakar, Finance manager FORD Global Business Services on the management methods. The audience of the session were the EDC members.

LABVIEW AND ITS APPLICATIONS

A short term course was conducted by IEEE -SB for the Third year ECE department students on LABVIEW and its applications from 06th to 31st July 2015. This course introduced the students to various features of LABVIEW and focused on how to use LABVIEW software for various applications. Image processing concepts with Real Time applications using LABVIEW was demonstrated. Around 210 students from ECE attended the short term course.

AWARENESS ON CIVIL SERVICE EXAMINATIONS

IEEE student branch in association with the PIT-CDC organized a guest lecture by Mr.Shankar, Director of Shankar IAS academy on Awareness on Civil Service Examinations on 14th July 2015. The session gave the students information about the preparation and pattern of the IAS examination. The session acted as an eye opener for students who were unsure about their career path. Around 1350 students attended the event.

PCB DESIGN

IEEE Student Branch organized a short term course for the Second year ECE department students on PCB design. This course was conducted from 06th July 2015 to 31st July 2015. The course introduced the students to various aspects of PCB design. Around 200 students from ECE attended the short term course. The information imparted by them will be useful for the students to progress with the ideas rendered by them in their projects.

ONLINE APTITUDE TEST

To bring out the talents from students of final year and to make them practice more aptitude problems IEEE SB in association with CDC PIT conducts online Aptitude test every Wednesday.

MOCK INTERVIEW

Mock interview was conducted to students to test their interview skills. All the eligible final year students underwent this programme. At the end of the interview students were provided with constructive feedback in a low-stress environment.

CAMPUS RECRUITMENT TRAINING WORKSHOP

The Campus Recruitment Training Workshop 2015 in association with PIT CDC, IEEE SB & SEED was held on 22nd to 30th August to give an entropic exposure about the campus interview. During the Training session the participants were made cognizant about how exactly the interview process goes on. The group discussions held were enlightening. The participants were taught to prepare resume. A live interview was conducted to observe and learn a lot. This event helped the students to overcome the fear of facing interviews and got a right view and spirit towards campus recruitments.

WORKSHOP ON ROBOTICS

Workshop on **Robotics** was conducted by IEEE Student Branch in two phases for ECE & EEE students on 12th August 2015 to 14th August 2015 and 19th August 2015 to 21st August 2015. The workshops involved around 300 students. The students were given the basic knowledge about the design and construction of the bots, Line follower robots, etc.,.

EnActUs ORIENTATION PROGRAMME

IEEE Student Branch in association with the Entrepreneurship Development Cell of PIT organized the EnActUs Orientation Programme on 19th August 2015. The session was presided over by Ms.Anitha Nallasekaran, Program Manager EnActUs, South, India. The lecture was aimed at instilling entrepreneurial instincts into young minds.

WORKSHOP ON RFID-2015

Department of ECE in association with IEEE SB organized a Two days workshop on RFID-2015 in coordination with IIT-Madras & Codex Design during 20th - 21st, August 2015. This workshop mainly focused on RFID Applications. The workshop covered topics like Features of RFID Systems, Security of RFID System, Applications & assembling RFID developing kit, Interfacing card with Reader, Writing a program for RFID based access and security system, Testing and debugging the RFID based access and security system program. Around 125 students in and around Tamil Nadu participated..

ENTREPRENEURSHIP DEVELOPMENT

IEEE Student Branch in association with the PIT-EDC organized a seminar on Entrepreneurship Development on 26th August 2015. The session was handled by Mr.Harish and Mr.Arul Prabhahar Asst.Managers, from National Small Industries Corporation, Guindy. During their talk they focused on how to start up a business, run it and to improve it. They also explained students how NSIC Chennai helps students to become an Entrepreneur.

ROBOTRON - ROBO RACE

PIT -IEEE Robotics & Automation Society organized Robo-Race competition for students of second & third year ECE & EEE. on 9th September 2015. The total numbers of Participants were around 25. Participants were instructed to make Robot and they have to run the Robot in the racing field.



DEBATE ON JOB VS ENTREPRENEURSHIP

Debate on Job vs Entrepreneurship was conducted on 11.09.2015. About 30 students participated in the debate. The students debated on pros & cons of having a job & Entrepreneurship & highlighted the general psychology of people towards Job and Entrepreneurship.

DHONI'15 – INVITED TALK ON ENTREPRENEURSHIP

An Invited talk was organized as a part of DHONI'15 Prize distribution ceremony on 19th September 2015, on Entrepreneurship. The event was presided over by Dr.G.Ravikumar, Director, Centre for Entrepreneurship Development (CED), Anna University, Chennai. During his speech he highlighted how entrepreneurship helps students .The session attracted around 150 students from various departments.

MINI PROJECT CONTEST

IEEE student branch conducted MINI Project Contest on 30th September 2015. 10 projects from various fields of VLSI, Image Processing, Embedded System and Robotics were exhibited. The following students won the prizes in the event.

PROJECT TITLE	STUDENTS NAME	POSITION	YEAR
STUDENTS RECORD USING C++ AND GRAPHIC DESIGNS	SAINATH K, MOHAMMED FARIZ K GOPINATH K	I	III
FOUR TONE	ALISHA CELESTINE.X , KAUSALYA.T NANDHINI PRIYA.M.N , INDHUMATHI.J		II
BALL FOLLOWING ROBOT	BALAJI T, ARAVIND B, SUNDARJI A MANOJKUMAR B, NAVEEN V	II	III
WATER LEVEL INDICATOR ALARM USING TRANSISTOR	HARISHBABU T, SHRIRAM S VAMSI KRISHNA M.		II

	S,JOSEPH MARCIAN M		
DATA HIDING USING STEGNOGRAPHY TECHNIQUE	NAVEEN KUMAR.V,YOKESH.T MURUGESAN S	III	III
SOLAR CAR WITH SOLAR CHARGER	HARINI R , HEMALATHA S PRIYADARSHINI S		III
AUTOMATIC STREET LIGHT CONTROL SYSTEM	RAMANAN R , SUDHAKARAN K VETRIVEL V , RAMESH A		II
BLOW SWITCH	AKSHAYA ANAND, N.CHANDRIKA S.PRIYANKA		II



MATLAB CODING CONTEST

PIT -IEEE Signal Processing Society organized MATLAB coding contest for third year students. It was conducted on **23rd September 2015**. The total numbers of Participants were around 15.

SHARING BENEFITS OF IEEE



Stall has been arranged to explain the benefits of IEEE. Student branch members explained various ways in which IEEE membership can be used to develop their skills.

INAUGURATION OF IEEE DAY CELEBRATION

IEEE DAY Celebrations was inaugurated by Dr.T.Jayanthy, Principal Panimalar Institute of Technology. During her Inaugural speech she briefed on the importance and the benefits of IEEE student membership. She also elaborated on how to access IEEE & tips to do projects. Dr.M.P.Chitra, IEEE Branch Adviser, HOD /ECE explained in brief about the activities and awards received by PIT IEEE Student branch. Mr.M.Arun Student Branch counselor briefed about the activities to be held during IEEE day celebrations. Student and professional members of SB gathered and shared their achievements among the members.



IEEE & ITS BENEFITS TO STUDENTS

Mr. S. Ganesh, Professional Member IEEE & Associate Prof. ECE delivered a lecture on IEEE & Its Benefits to students and society. During his speech he stated how IEEE differs from other professional societies. How IEEE brings various departments like CSE, EEE, AERO, etc., Under a single IEEE roof. He also briefed about IEEE Student project funding, IEEE Extreme, IEEE SIGHT , IEEE GOLD, IEEE WIE , etc., Mr.M.S. Saravanan IEEE SB chairman delivered the vote of thanks.



WALK-A-THON

PIT IEEE student Branch Members as a part of IEEE DAY 15 conducted a walk-a-thon for the cause of children ailing under child labor, child Marriage & Harassment against Women. The march consisted of around 40 people and attracted significant attention. The march was flagged by M.Arun, Student branch counselor, at around 10 A.M.



IEEE DAY 15 HUMAN FORMATION

As a part of IEEE DAY celebration IEEE students formed themselves in letters of IEEE DAY 15. This grasped the eyes of many first year students and triggered them to ask us what IEEE is? Office bearers of IEEE SB briefed them about IEEE and Benefits of Joining IEEE.

IEEE ROBOTICS CONTEST

Robotics and automation society PIT conducted IEEE Robotics Contest. Contest was held to bring in the talents of young engineers. 14 different robots were designed by participants and exhibited in the contest. The humanoid ROBO hand by Mr. M.S.Saravanan won the first prize.



QUIZ CONTEST

Quiz contest was held to bring out the hidden talent among IEEE student members. About 35 students attended the quiz prelims from which 3 teams were short listed for the Final round. The finalist underwent through two levels of quizzing which covered almost all the possible fields in engineering.



Participants during Quiz contest

EXTEMPORE

About 50 students participated in Extempore spoke on various topics like What can you do as an IEEEian? , Role of Engineers in Developing Society, Digital India, Clean India etc.,



IDEA GENERATION

“A man may die, even nations may rise and fall, but an idea lives on. Ideas have endurance without death”, to make it much evident, a Guest Lecture on Idea Generation on 19th October 2015 was organized by PIT E-Cell in association with IEEE SB & Purple Squirrel. Mr. V. Ramachandran, Senior Associate, Purple Squirrel, Chennai delivered the lecture. During the Lecture he explained students about the conventional and unconventional career and how they counteract with each other. Moreover, how we can make our career unconventional just by becoming a blogger. He also extended it to other fields like film; photography etc. by that he showed how even a small start-up can make big entrepreneurs.



FINANCE & MARKETING ASPECTS OF STARTUPS

Guest Lecture on Finance & Marketing Aspects of Startups was organized on October 19 – 2015 by PIT E-CELL & IEEE SB. “**Start where you are, use what you have and do what you can**”, with reference to the above context, our journey started successfully with an eminent speaker Mr. S Varadarajan, CEO ,V empower Academy. The session begun by the question “what is meant by the start” which aroused our enthusiasm and made us feel comfortable. Then, the speaker gave us his piece of information about the entrepreneurship and made us aware of how to eradicate the myths that prevent a person from becoming an entrepreneur. Next, the speaker gave us an idea of how thinking out of box will help build a good entrepreneur. He also made us visualize how even small start-ups have reaped fruitful results. He asked us to first master the tricks of the concerned field and then become an entrepreneur which gave us confidence to wake up the entrepreneurs in us. The speaker even said, how communication plays an important role in an entrepreneur’s career. To conclude with, this journey ended up in carving a endless and successful career towards the path of the entrepreneurship.



ARTIFICIAL INTELLIGENCE & COGNITION

Department of ECE in association with IFANDFOR ENDEAVOURS Chennai, IEEE-SB, IEEE Robotics & Automation Society organized a Workshop on “Artificial Intelligence & Cognition” during 4th to 5th November 2015. Mr.S.Kalidas founder IFANDFOR ENDEAVOURS Chennai conducted the workshop. The course focused on the basics of modern AI as well as some of the representative applications of AI. Along the way, participants learnt about the numerous applications and huge possibilities in the field of AI, which continues to expand human capability beyond imagination. About 50 participants who felt it extremely beneficial and gained knowledge on applications.

News letter of the IEEE Madras Section

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Editorial Team

Dr.S.ARUMUGAM

Mr. H.R.MOHAN, Prof. T.MICHAEL N KUMR

IEEE Madras Section, Room No. 3, ISTE Professional Center, Gandhi Mandapam Rd., Chennai –
600 025.

Tel: +91 44 24423939, Mobile: 9382328776, Email: ieemas@gmail.com

Website: <http://www.ewh.ieee.org/r10/madras/>