
Vol. 13 No. 8 Sep 2016

Message from Chairman



Dear Members,

Season's Greetings

Hope you enjoyed reading the August edition of the newsletter. Was it informative? I would like to get a feedback from you on the contents of the newsletter. I have a feeling that those who are reading are far too less and we would like to increase the readership levels. Please give a critical account of the newsletter. We would like to do an on line survey for this, which I request all of you to participate, which will be put up soon.

One activity which I request college students to take up is to motivate school children to take up science and engineering in their future. Many of them do not have adequate background to learn science. As mentors, I request engineering students to visit schools in their neighbourhood and understand their difficulties. School children open up to college students more than their teachers. Hence engineering students can interact with them and help them more than their teachers. Please use IEEE as a forum to take up this activity initially in one school, which can later be extended to many. I suggest you take up government schools where the students do not have enough support from their teachers and more so from their parents who may not be educated. I would be happy if any group of college students takes up this initiative. I would use this as an indirect means to identify if the newsletter is being read by the students.

Another aspect I would like all of you to consider is to start activities in areas under the Madras section, where activities are either not held or are below critical levels. Please interact with our office and identify such locations and motivate students and others to take up activities suitable in that location. IEEE is based on volunteering and that gives you an internal satisfaction which other acts may not be able to provide. Hence please go ahead and volunteer.

As you are aware, the IEEE Day will be celebrated on 15th October 2016 at the Madras Section. Interesting sessions are being planned. You must have received mailers from the Section for active participation in certain sessions by providing your inputs. I look forward to your joining us and make the IEEE Day celebrations a memorable event.

Wish you all the best

Till next time,

Yours voluntarily

M A Atmanand

Chairman, IEEE Madras Section



Message from the Editors



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Editor

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Dear Readers,

2016 IEEE President, Mr. Barry Shoop in his presidential position statement talks of "Collaboration is key for our members, our profession and for the public". One such initiative on these lines is IEEE Collabratec™, an integrated online community where technology professionals can network, collaborate, and create — all in one central hub. This online community offers a suite of productivity tools and is available to technology professionals around the world with exclusive features for IEEE members. With free sign-up, this tools helps members to connect with global technology professionals by location, technical interests, or career pursuits. Access research and collaborative authoring tools, establish a professional identity to showcase key accomplishments.

In this issue, we make a fervent request all our members to explore and participate in this wonderful avenue so as to improve collaboration and networking.

We have included 28 college-level reports on activities held at Aarupadai Veedu Institute of Technology, Chennai; B.S.Abdur Rahman University, Chennai; Cape Institute of Technology, Tirunelveli; Bannari Amman Institute of Technology, Sathyamangalam; Dr. Sivanthi Aditanar College of Engineering, Tiruchendur; Erode Sengunthar Engineering College, Erode; Jeppiar Institute of Technology, Chennai; Karpagam College of Engineering, Coimbatore; Karunya University, Coimbatore; Kings College of Engineering, Pudukottai; Knowledge Institute of Technology, Salem; Kongu Engineering College, Erode; KSR College of Technology, Tiruchengode; National Engineering College, Kovilpatti; Panimalar Institute of Technology, Chennai; SA Engineering College, Chennai; Sri Ramakrishna Engineering College, Coimbatore; SSN College of Engineering, Chennai; St Joseph College of Engineering, Chennai; St Joseph Institute of Technology, Chennai; St. Xavier's Catholic College of Engineering, Kanyakumari; Mepco Schlenk Engineering College, Sivakasi, Velammal Engineering College, Chennai; PSNA College of Engineering & Technology, Dindigul; Sethu Institute of Technology, Virudhunagar; Francis Xavier Engineering College, Tirunelveli; Ganadipathy Tulsi's Jain Engineering College, Vellore and Velalar College of Engineering and Technology, Erode .

The newsletter also carries brief reports on activities of the Section and society chapters such as EMC Society, Computational Intelligence Society, Information Theory Society, Oceanic Engineering Society, IEEE Product Safety Engineering Society, Madras Chapter and IEEE SIGHT ADSF.

Under "Forthcoming Events" various events technically sponsored by Madras Section and Madras Section Societies and some other events which will be of interest to our members are presented. The details of financial assistance extended by IEEE Madras Section to SBs to organize events and details of Funds transferred from IEEE HQ to IEEE Student Branches through Madras Section are also highlighted. We had compiled and presented a number of announcements which would interest the members and SBs to gain maximum from IEEE and its offerings. We are sure that members will find the Information Resources column useful.

Please note that timely reporting of your activities and achievements are very important for sustained support from HQ and section. Please make it a point to report all your events which no doubt increase your visibility and professional standing. We look for contributions from all to make the MAS LINK a sought after publication from the Section. While doing so, pl. adhere to the guidelines at <https://goo.gl/bYB44p>

The MAS LINK issues are archived in a shared folder at <https://drive.google.com/folderview?id=0B5jxEnDN1CofWlkxejBNei1vOXc&usp=sharing>

Aarupadai Veedu Institute of Technology, Chennai

Lecture on Advanced VLSI Design Techniques



IEEE SB and ECE department organized a Lecture on “Advanced VLSI Design Techniques” by Dr. D Meganathan, Prof/ECE, MIT Campus, Anna University on 4th August, 2016. Prof. D Vijendra Babu, Vice Principal; Dr. S. Suyambazhahan, Principal, and Mr. B. Sivachandra Mahalingam, AP addressed the gathering consisting of 150 students.

Lecture on Challenges in Communication and Networking



IEEE COMSOC and IEEE PSES Madras Chapters along with ECE department organized a Lecture on “Challenges in Communication and Networking” by Dr. V. Jayaprakasan, Chairman, IEEE PSES Madras Chapter on 9th August, 2016. Dr. S. Suyambazhahan, Prof. D. Vijendra Babu and Prof. P Subramanian, Chair, IEEE COMSOC Madras Chapter graced the occasion.

Report by: P. Subramanian, surya602@yahoo.co.in

Dog PC developed to let dogs play games

Hong Kong-based technology company Tesla has made a computer for dogs called the 'Dog PC'. The computer features a touchscreen tablet that lets dogs play games like Fruit Ninja with their paws. It also features a built-in electronic food box, a speaker, and a camera, to let the dog owners keep a watch on their pets from distant places

Bannari Amman Institute of Technology, Sathyamangalam

Lecture on Scope of Career Opportunity in New Media Technologies



A lecture on Scope of Career Opportunity in New Media Technologies by Mr. M. Venkatesan, Founder-CEO of Sai Media Productions group, Chennai was organized on 6th August, 2016.

Lecture on Embedded Systems in Industries



A lecture on Embedded Systems in Industries was delivered by Mr.P.Sivasamy, Project manager from Robert Bosch, Coimbatore on 12th August, 2016.

Workshop on Electrical Safety

Lecture on Energy Audit



IEEE SB organized a workshop on “Electrical Safety” on 17th August, 2016.



IEEE SB organized Guest lecture on Energy audit by Mr. A. S. Kandhasamy, Chief Engineer (Retired), TNEB, Gobi on 18th August, 2016.

Lecture on Skills expected from campus to corporation



A lecture on “Skills expected from campus to corporation” was delivered by Mr. Ravikumar G., Project Associate, CTS, Chennai on 23rd August, 2016.

Workshop on Lab VIEW Programming and Data Acquisition



IEEE SB organized Lab VIEW Programming and Data Acquisition Hands-on training on 25th and 26th August, 2016. 110 students got benefitted by this workshop.



Workshop on Simulation of Power Converters using MATLAB/Simulink

IEEE SB organized a workshop on Simulation of Power Converters using MATLAB/SIMULINK on 26th August, 2016.

Report by: Ashok Kumar R, ashokkumarr@bitsathy.ac.in

B.S.Abdur Rahman University, Chennai

8th National Conference on “Recent Trends in VLSI, Information and Communication.”



conference inaugural talk by Mr. H.R. Mohan was on the

IEEE SB organized the 8th National Conference on “Recent Trends in VLSI, Information and Communication” on 11th and 12th Aug, 2016. Conference was inaugurated by Mr. H.R Mohan, Vice-Chair, IEEE Madras Section. Dr. V. M. Periasamy, Vice-Chancellor presided over the conference. Dr. C. Tharini, HOD/ECE; Dr. G. Kannan, Ms. Parnasree Chakroborty & Ms .M. Padma Usha, Conference coordinators and Dr. V. Murugesan, Registrar also addressed the gathering, The theme, “ICT Trends and Impact on Society”.

Report by: Joseph Gladwin, josephgladwins@gmail.com

Cape Institute of Technology, Tirunelveli



One Day Workshop on PCB Assembly

IEEE SB and ECE department organized a workshop on “PCB Assembly” on 17th August, 2016. Workshop resource persons were Mr.R.Solamon Roach, Prof/ECE and Mr. L. Arivazhagan, AP/ECE. 35 students attended the workshop.

Electronics Orientation Programme



IEEE SB and EDS chapter, Coimbatore organized a “Electronics Orientation Program” at Hindu Higher Secondary School, Kannangulam on 30th August, 2016. 48 students were given Dictionaries. 15 IEEE SB members led by Ms. S.Aruna, Ms. I. Thangam and Ms. P. Soundariya Devi conducted the for the school children along with Mr. A.Neelabaran, AP/ECE; Mr. L. Arivazhagan, AP/ECE. Mrs. Vijayalexmi, Head Mistress of the school welcomed the gathering.

Report by: Mr. Arivazhagan.L, arivulaxmanan87@gmail.com

Erode Sengunthar Engineering College, Erode



IEEE SPAC 2016

IEEE SB organized Student Professional Awareness Conference (SPAC) on 30th August 2016. The conference was addressed by Dr. P.Selvan/Prof; Mr. Sivaprakasam, President; Mr. S. Sivananthan, Secretary; Dr. L. Boopathi, Principal and Er. R. Mohanraj.

Report by: B.Ragavendra, ragavendra.b@esec.ac.in

Francis Xavier Engineering College, Tirunelveli

14th National Level Technical Symposium, ECSTASY – 16



IEEE SB and ECE department organized the 14th National Level Technical Symposium, “ECSTASY - 16”. The symposium was inaugurated by Dr. N. B. Balamurugan, Professor, Thiagarajar College of Engineering, Madurai. Chairman and founder of SCAD Group of Institutions, Dr. S. Cletus Babu presided. Mrs. R. Vedha Priya Vadhana, HOD/ECE; Mr. Esakki Rajavel, AP/ECE; Dr. G. Rajakumar, Assoc. Prof/ECE and Dr. R. Ravi, Principal addressed the gathering.

Report by: Princy Edward, Princy041994@gmail.com

Ganadipathy Tulsī's Jain Engineering College, Vellore



Workshop on “Advanced Embedded System Design using ARM Processor”

IEEE ComSoc and ECE department organized a one-day workshop on “Advanced Embedded System Design using ARM Processor” on 10th August, 2016 by Mr.V.Saravanan M.E, Assistant Manager (Customer Support) and Mr.A.Patturaj Assistant Manager (Marketing) from ARK Automation Systems. Prof. A. Manimegalai, Head / ECE and IEEE SBC, Mr. C. Kumar also graced the occasion.



One-day special lecture "Signals and Systems"

IEEE ComSoc and ECE department organized a lecture on "Signals and Systems" Dr. K. Gayathri Devi, Prof/ECE, Dr.N.G.P Institute of Technology, Coimbatore on 27th August, 2016. Prof. A. Manimegalai, Head / ECE and IEEE SBC, Mr. C. Kumar graced the occasion.



Student Technology Awareness Programme (STAP)

IEEE ComSoc and ECE department organized a one-day Student Technology Awareness Programme (STAP) with hands-on technical sessions on Electronics on 31st August, 2016 for the students of Kings Matriculation Higher Secondary School, Katpadi, Vellore. The event was coordinated by Mrs. T. Sudha, AP/ECE.

Report by: Kumar C, mr.c.kumar@ieee.org

Jeppiaar Institute of Technology, Chennai

Workshop on Embedded System Design with PIC Microcontroller



The event was organised on 17-08-2016. The Session was started at 9.00 am by Mr. Shakti, HR, HCL Education Technologies, Chennai. He shared much information about the future scope of electronics and embedded systems. Initially, they handed over the software required for the session and told us to install the software. After launching the software, the session began with Explanation about the basic of Electronics and Electrical concepts in Engineering. They gave us a brief description about various tools. They also showed demonstration about the C-coded programs and made the students to work with the Software MPLAB. He gave an example program and made students to understand how to execute the embedded programs. Students had

sufficient time to work on the tools and they also clarified their doubts. His session was about designing projects and information about different methods of executing the innovations. We easily learnt to execute programs and observed the output. Overall it was an interesting and interactive session. The session concluded by taking photographs.

Report by: Mr.S.Selvin Pradeep Kumar, ieeesbc@jeppiaarinstitute.org

Karunya University, Coimbatore

Techno-Capture - A Scientific Photography contest



IEEE SB of Karunya University conducted 'TECHNO-CAPTURE' A Scientific Photography contest on the World Photography day, 19th August 2016. Nearly 50 students participated in the event. The winner and the runner were awarded with a cash prize of Rs.2000 and 1000. The Best 10 photographers were selected and recruited in the Media committee of the student branch. The contest was organized and conducted by Mr. A. Dominic Mathew and Mr. Edwin Moses.

Student Branch Meeting



IEEE-SB had a meeting for the newly recruited committee members on 30th August, 2016. 30 committee members and faculty coordinators from various departments attended the meeting. The session was very informative for the Fresh committee members to know the Structure and Opportunities of IEEE-SB. And also several plans and discussions are made regarding the events which are going to be held on The Engineer's day. The meeting was organized and conducted by Mr.A.Dominic Mathew, Chairman

Report by: Dominic Mathew.A, dominicmathew178167@gmail.com

Karpagam College of Engineering, Coimbatore



One day Workshop on Online Embedded design Systems

IEEE SB and Karpagam Innovation Centre (KIC) organized a one-day workshop on online embedded systems design on 1st August, 2016. 200 students benefited through this workshop.

Are you the one?



IEEE SB and Karpagam Innovation Centre (KIC) organized a techno-commercial event. "Are you the One?" on 2nd August, 2016 60 students benefited through this event and submitted business ideas.

Seminar on Cloud Computing



IEEE SB and KIC organized a seminar on "Cloud Computing" on 5th August, 2016. 120 students from various departments attend the workshop.

Note to Heaven



IEEE SB and KIC organized Note to Heaven, a motivational event on 8th August, 2016 for first year students. At the end of the session the students were asked to send a note to heaven by writing their thoughts for their future.

Seminar on Advanced Optimization Methodology



IEEE SB and KIC organized a seminar on advanced optimization methodology by Dr. B. Nagaraj, Prof on 9th August, 2016.

To Infinity & Beyond



IEEE SB and KIC organized a tech-based motivation program on 10th August, 2016. The main objective of this program is to motivate the students to go for his/ her tech upgradation. 250 students benefited.

Seminar on Optimized Tech Computing With MATLAB



IEEE SB and KIC organized a seminar on Optimized Tech computing with MATLAB was held on 11th August, 2016. 75 students benefited through this seminar which had demos as well.

Guest Lecture on "Build Your Dreams"



IEEE SB and KIC organized a lecture on the topic, 'Build your dreams' on 13th August, 2016. The session helped the students to develop an ability of novel or creative thinking.

Awareness programme on Cyber Crime Threats and its Safety Measures



IEEE Product Safety Engineering Society Chapter and ECE department organized an awareness programme on Cyber Crime Threats and its Safety Measures by Dr. P.N. Raajan, Inspector of Police, Cyber Crime Cell Coimbatore City, on 18th August, 2016. Through this programme Dr. P.N Raajan has shared his experience and field of work, which added an additional information and awareness to the student.

Boot Camp on KIC Idea Challenge

IEEE SB and KIC organized Boot Camp on KIC Innovation Challenge under the theme of My Smart Campus on 18th August, 2016. Dr. B. Nagaraj, Head - Karpagam Innovation Centre motivated the students during this event

One Day Workshop on Embedded System Design



IEEE SB and ECE department organized a one-day workshop on embedded systems design with Texas Instruments on 20th August, 2016. 150 students benefited through this workshop.

Your time to Startup



STEPS Knowledge Services P Ltd organized an Idea contest for students on 20th August, 2016. In this workshop the students were trained under situation to create his own tech product. 60 students benefited through this contest.

I am a Leader



IEEE SB and KIC organized this event to motivate students and give them an exercise to lead. 120 students participated in this event held on 21st August, 2016

FDP ON Machine to Machine Technology



IEEE SB and KIC organized an FDP on M2M Protocol for Smart world on 23rd August, 2016.

Ideate - Present - Win



IEEE SB and KIC organized this event on 25th August, 2016. The event gave a platform for students to present their business ideas. 10 teams of 3 each presented their business ideas to a panel consisting of coordinators and heads of the entrepreneurship cell.

FDP on Advanced Signal Processing



IEEE SB and ECE department organized a workshop on Advanced Image Processing on 27th August, 2016. 20 faculty members attended the FDP.



Seminar on Skill for the Demand

IEEE SB and KIC organized a Seminar on Skill for the Demand on 29th August, 2016. This event was an awareness program to initiate and motivate Skill development among students. 55 students participated in this event.

Report by: Dr. B. Nagaraj, nagarajice@gmail.com

Kings College of Engineering, Pudukkottai



Guest Lectures

IEEE SB organized:

Lecture on “How to do Projects” by Mr. E. Venugopal, AP/EEE, Sri Eshwar College of Engineering, Coimbatore on 6th August, 2016.

Lecture on “High Frequency Analysis of Transistors & FET Amplifiers” by Dr. P.S. Kannan, Visiting Faculty/ECE on 25th August 2016.,



Awareness Talk

Mrs. S.R. Revathy, Research Scholar, Gandhigram Rural Institute, Gandhigram conducted an Awareness Talk on “Neural Networks & Education in Abroad” on 16th August 2016 for the benefit of SB members. A video demonstration & simulation on “Microwave Essentials” was conducted by Mr. R. Sathyaraj, AP/ECE on 6th August, 2016.

Report by: Dr. J. Arputha Vijaya Selvi, vijayas_02@yahoo.co.in

Knowledge Institute of Technology, Salem

Discussion about IEEE Hub Congress Meet



IEEE SB conducted a general IEEE Meet for members on 2nd August, 2016. In this session, SB Chair, A. Gowthaman and Treasurer, G. Gokul shared their experience about their participation on IEEE Coimbatore Hub Congress 2016. In this session, the various benefits and resources provided by IEEE was shared with the members.

Discussion on IEEE Spectrum



IEEE SB organized discussion sessions on Spectrum Magazine by Mr. M. Bharanidharan, IEEE SBC and Ms. R. Hemalatha, AP/ECE on 5th and 6th August, 2016.



Report on Outreach Program

IEEE SB organized an outreach program on “Recent Developments in Communication Technologies” on 12th August, 2016. IEEE SB Members, Mr. G. Gokul, Ms. P.Vijayalakshmi, Mr. K. Venusankaran and Ms. E. Priya interacted with school students about upcoming technologies at Government Girls Higher Secondary School, Vazhapadi, Salem



Foreign Language Training

IEEE SB conducted foreign language training on importance of Japanese language and the opportunities available by Mr.P.Kumar, Director, ABK AOTS DOSOKAI Tamilnadu Center on 22nd August, 2016. The event was aimed at preparing students for Japanese language proficiency test (JLPT) exams.



Lecture on “Career Opportunities for Communication Engineers”

IEEE SB and FORCE Club in association with ECE Dept. organized Lecture on “Career Opportunities for Communication Engineers” by Mr. B. Venkatesan, Project Manager, American Megatrends Pvt. Ltd. Chennai on 26th August, 2016. Dr. P.S.S. Srinivasan, Principal; Dr. K. Visagavel, Vice Principal and Dr. N. Santhiyakumari, Head/ECE graced the lecture.

Technical Lecture on “Innovation and Design”



IEEE SB, ECE department and Centre for Innovation and Product Development cell (CIPD) conducted a Awareness Program on “Innovation and Design” on 29th August, 2016. Resource persons were Prof. S.M.Jamkhandi, Director, IISc – MSME Centre of Excellence, Indian Institute of Science, Bangaluru and his colleagues, Prof. H.V.Anandamurthy, Deputy Director; Prof.R.Anbukumaran, Assistant Director and Prof.K.Siva Rama Prasad, Assistant Director, MSME Development Institute, Chennai.



Alumni Interaction

IEEE SB organized Alumni Interaction with UG students on 30th August, 2016. Mr.G.Barath Vignesh, Software trainee, IVTL Info view, Chennai shared his experiences on volunteerism in IEEE



Awareness Program “Women Empowerment”

IEEE SB organized an awareness program on “Women Empowerment” by Ms.Neeta Sharma, Managing Director, IAPMO, India on 31st August, 2016. She stressed upon the need to balance personal work and professional work and the problems encountered by women at the workplace.

Report by: Dr. N. Santhiyakumari, hod.ece@kiot.ac.in

Kongu Engineering College, Erode



Stallotechnico

IEEE/WIE organized Stallotechnico as part of the 15th Open House Exhibition from 19th to 21th August, 2016. The event had several of fun games to expose the talents of the students through cube solving, connexions, and brain teasers.



STAR

STAR (Students teachers and research program), a social research awareness program was conducted by WIE on 20th August, 2016 for 30 8th standard school students from Kongu Matric Higher Secondary School, Perundurai. The function was mainly organized to motivate the school students on career guidance. This event included a campus visit for the school children.

Report by: K. Sathiya, sathiya.k.in@ieee.org

K.S.Rangasamy College of Technology, Tiruchengode



Meritorious Award function

In association with Neomutants Biotech Association, IEEE EMBS SBC organized a meritorious award function on 17th August, 2016. Dr. Atanu Barik, Scientist-F, Radiology and Photochemistry division, BARC, New Delhi was the chief guest for the programme and delivered a talk on Radiation Biology. The best meritorious award, class toppers, awards for fund generation through projects and conferences, awards for excellence in research and co-curricular and extracurricular activities, IEEE Student Project fund receivers were felicitated.

Technical Connexions

IEEE EMBS SBC organized a fun cum Technical connexions event on 22nd August, 2016. 9 teams participated with B. Naresh, V. Yogeshlral and R. C. Gowtham of II B.Tech. Biotechnology emerging as the winning team.



Lecture on Biomaterials

IEEE EMBS SBC in association with Neomutants Association organized a lecture on Biomaterials by Dr. A. Kumaravel, Head/Mech on 7th September, 2016. 45 EMBS members attended the programme.

Report by: Dr.P.Ponmurugan, drponmurugan@gmail.com

Mepco Schlenk Engineering, Sivakasi

TECHTRONICS

IEEE SB organized TECHTRONICS on 17th August 2016. The event, which contained general technical questions, quiz and aptitude was organized by Ms. R.T. Prasanna of 3rd year EEE and Mr. Veera Arjunan of 2nd year EEE. Mr. C. Kalyana Sundaram, IEEE SBC and Ms. G. Bhuvaneshwari, IEEE SB chair also spoke.

Think to guess

IEEE SB organized “Think to Guess” on 27th July 2016. The goal of the event was training students to think logically and crucially and make the students develop courage in a crowd. P.S. Anujah of II CSE; V.C. Subbulakshmi of II EEE; R. Pravin of II Mech; M. Antro Abinesh of II EEE and P. Veera Arjunan of II EEE conducted various rounds of the event.

Report by: Anujah Sivakumar, jahuan004@gmail.com

National Engineering College, Kovilpatti

Workshop on “Implementation of Soft Computing Techniques Using MATLAB” – ISCT ‘16



IEEE Computational Intelligence Society, Madras chapter and EEE department organized a three-day workshop on “Implementation of Soft Computing Techniques Using MATLAB” –ISCT ‘16 during 4th to 6th August, The scope of the workshop is wide to address all major aspects of Soft Computing Implementation Techniques using MATLAB to various Electrical Engineering applications. Dr. P. S. Manoharan, Asso Prof. /EEE, Thiagarajar College of Engineering, Madurai delivered the inaugural address. Others who spoke and delivered talks included Dr. M. Will Juice Iruthayarajan, Head/EEE and Secretary, IEEE CIS, Madras Chapter; Dr. L.Kalaivani, Asso Prof./EEE and Dr.S.Shanmugavel, Principal; Dr. R.V.Maheswari Asso Prof. /EEE Dr.V.Gomathi, Asso Prof. /CSE and Mr.M.Sivapalanirajan AP/EEE. 25 participants from various institutions benefitted by this workshop.



MOBIAPP - A Mobile Application Development

IEEE CS Student chapter organized, MOBIAPP– A Mobile Application Development Hands-on Practice on 18th and 19th August, 2016. 35 students attended the MOBIAPP Event. Final year students M.Priyanka, M.Sankari, T.Ramala and M.G.Ramalakshmi gave a hands-on practice on mobile application development with simple applications.



Technical Events

On behalf of IEEE ITS Madras Chapter, technical events were conducted on 26th August, 2016. Innovative ideas were presented by students in emerging technological trends. Knowledge of students on numerical and C programming were explored using objective type tests. More than 120 Students actively participated in these events. In idea presentation, the first place was obtained by E.Beno Solomon and D.Benjamin, the second place was bagged by P.Sudalai Vadivoo, K. Swathika and S. Selva Gomathi and the third place was bagged by C.Aarthi, V. M. Karpaga Gomathi and N.Gomathi Meena. In objective type test the first place was shared by two students P.

Manikanda Prabu and V.Anto Josephin Monisha, the second place was shared by three students, M. Javeeth Asraf, G. Revathi and R. Gopi Krishnan and the third place was obtained by S. Janani.



Tech Talk

On behalf of IEEE ITS Madras Chapter, a technical talk on “An Industrial perspective towards data management” by Mr. Ilango Somasundaram, Director Enterprise Data Management, AnnikInc Technology Services, Seattle USA was organized on 30th August, 2016. Dr.B.Paramasivan, Chairman and Dr.S.Tamilselvi, Vice Chairman of IEEE Information Theory Society Madras Chapter were present for the techtalk. 53 students benefitted from the event.

Report by: Dr. B. Paramasivan, hodcse@nec.edu.in

Panimalar Institute of Technology, Chennai

Lecture on 3 People I See

IEEE SB and Industry Interaction Cell organized a Lecture program on “3 People I See” by Mr. Rajendran Dandapani, Director - Engineering, Zoho Corporation on 22nd July, 2016.



Short Term course on image processing and its Application

Dept. of ECE in association with IEEE-SP,WIE,IETE,ISTE organized short-term course on Image Processing and its applications for students with image processing as their research interest during June to August 2016. The topics covered included basics of Image Processing, Image Enhancement, Compression, Restoration & Segmentation Techniques and Image Processing.



Short Term Course on Embedded System using Arduino

Dept. of ECE in Association with IEEE-RAS, WIE, IETE, ISTE organized short-term course on Embedded System using Arduino during June to August 2016. Projects like Home Automation, Simple Data Logger, LED Display, Heart Beat Sensor, Etc., were implemented during hands-on training session.



Seminar on Nuclear Power Plant and Its Safety Measures

IEEE SB, Power & Energy Society, Control Systems Society and Power Electronics Society in association with department of EEE organized a guest lecture on “Nuclear power plant and its safety measures” by Mrs. K.P. Nithya, AP on 3rd August, 2016 Ms .K.P. Lavanya Assoc Prof. & Branch Advisor- IEEE Control system society welcomed the gathering.



Seminar on Power System Protection

IEEE SB, Power & energy society, Control Systems Society and power electronics society in association with department of EEE organized a Seminar on Power system protection by Mr. K.Dinesh, AP on 8th August, 2016. 55 students participated in the seminar.



Electra Buzz

IEEE SB, Power & energy society, Control Systems Society and power electronics society in association with department of EEE organized Electra Buzz – a Technical EEE Quiz Contest for the IEEE student members on 12th August, 2016. The event was organized by Dr.S.Deepa, student Branch Advisor-Power Energy Society.



Entrepreneurship Orientation Program for juniors

Entrepreneurship Development Cell and IEEE SB organized Entrepreneurship Orientation Program by Sree Vishnu Priya. K, Regional Program Executive from south east of ENACTUS on 17th August 2016. The session highlighted the various stages involved in becoming a successful Entrepreneur.



Troubleshoot

IEEE SB, Power & Energy society, Control Systems Society and Power Electronics Society in association with department of EEE organized Troubleshoot - Circuit Debugging event in 17th August, 2016. 35 students attended the event organized by Mr.L.Jayaprakash, AP/EEE.



MATLAB Coding Contest

IEEE-SB, Power & Energy society, Control Systems Society and Power Electronics Society in association with department of EEE conducted “Matlab Coding Contest” on 19th August, 2016. 30 students attended the event organized by Mrs. K.P.Nithya, AP/EEE.



Lecture on Higher Studies at Abroad

IEEE SB and CDC organized a Lecture on Higher Studies at Abroad by Mr. Atiq Shah, Director Score Getter Chennai on 24th August, 2016.

Lecture on 10 Steps to Become an Entrepreneur

Entrepreneurship Development Cell and IEEE SB organized a Lecture on 10 Steps to Become an Entrepreneur by Dr. Baskaran, Deputy Director of Industries and Commerce, Govt of Tamil Nadu on 25th August, 2016.



Workshop on PSPICE Software

IEEE SB, Power & Energy society, Control Systems Society and Power Electronics Society in association with department of EEE organized a one day workshop on “PSPICE Software” on 26th August, 2016 . 33 students attended the event organized by Mr.P.Elangovan, AP/EEE.



Lecture on Opportunities in Defence Sector

IEEE SB and CDC organized a Lecture on Opportunities in Defence Sector by Mr. A. Surendren, Director, Defence Academy, Chennai on 31st August, 2016. The speaker made an emphasis on the procedures on how to enter into this sector.

Report by: M. Arun, arunmeieee@gmail.com

PSNA College of Engineering and Technology, Dindigul



Circuit Debugging

The Power Electronics Society of IEEE SB organized “Circuit Debugging” on 29th August, 2016. The event was inaugurated by Dr. V. Rajasekaran, HOD/EEE. 83 teams participated in the event. Three top teams were awarded by Dr. S. Muthukumar, Prof/EEE and SBC and Dr. I. Gerald Christopher Raj, Asst. Prof/EEE.

Report by: Dr. S. Muthukumar, muthu2kumaran@yahoo.co.in

S.A. Engineering College, Chennai

Workshop on Mathematical Modelling of Wireless



IEEE SB organized National level Workshop on “Mathematical Modelling of Wireless Networks” on 28th July 2016. Dr. R. Anitha, Prof/Maths and Prof. Uma, VIT, Chennai were resource persons for the workshop.

Inauguration of SAEC IEEE WIE Affinity Group



IEEE WIE Affinity group was inaugurated by Dr. Vydeki Vijayakumar, WIE Madras Chair on 3rd August 2016.



IEEE WIE Sponsored Seminar on “Avoiding Plagiarism”

IEEE WIE-sponsored seminar on “Avoiding Plagiarism” was organized on 3rd August 2016. Dr. Sakkaravarthi of VIT, Chennai was the resource person for the seminar in which 120 students participated.

Report by: Dr. .E.A.Mary Anita, drmaryanita@saec.ac.in

Sethu Institute of Technology, Kariapatti



Orientation Program on Welcome to IEEE

IEEE SB organized an orientation program on “Welcome to IEEE”, to create the awareness about IEEE Membership and its benefits to the students on 1st September 2016. 50 students took part in this orientation program. Dr. A. Senthil Kumar, Principal inaugurated the program which was addressed by Dr. M. Santhi, Head / EEE & SBC; Mr.Harun Basha S, SB Chair; Ms.C.Rajeswari & Ms. J. Jeyashanthi, faculty coordinators; Ms.Ramya V and Mr. Prasanna V.

Report by: Dr. M. Santhi, santhi_nelson@rediffmail.com

Dr. Sivanthi Aditanar College of Engineering, Tiruchendur

Poster Cum Photography Contest



IEEE SB organized a poster cum photography contest on 10th August 2016. More than 15 batches of students had participated. Ms.B.S.Aswathy, AP/ECE, Mr. S. Senthil Siva Manikandan, AP/ECE, Ms. R. Jenifer Eunice, AP/ECE functioned as judges for the event. The winners were

Prize	Name	Section
I	Frijit Raja Shunmathi.D Divyalakshmi.M	IV ECE A
II	Godwin.S.T	II ECE A
III	Maria Jebina.A , Abirami.G	III ECE A

Seminar on Lab View Software



IEEE SB organized a one-day seminar on the title “Understanding Lab view software” by Mr. Ramaiah Chidambaram, Managing Director, W2B Consulting Services, Chennai on 4th August, 2016. Dr. D. David Neels Ponkumar, HOD/ECE; Dr. R. Manjith, AP/ECE, and Mr. VDM. Jabez Daniel, AP/ECE graced the occasion. 45 student members benefitted from the seminar.



C Puzzles Contest

IEEE SB organized a C Puzzles contest on 30th August 2016. 53 took part in the contest. The winners were

Prize	Name	Section
I	M.Rajeswari	III ECE B
II	E.Mahalakshmi	III ECE A
III	V.Vinoshilfa	III ECE B



Debate Event

IEEE SB organized a Debate event on 31st August, 2016. Ms. B.S.Asathy, AP/ECE & Mrs.S.Beula,AP/ECE judged the performance of the participants. The winners were

Prize	Name	Section
I	S.Mythili Rani	II ECE B
II	S.Sundhara Lakshmi	II ECE B
III	B.Bhavani	II ECE A

Report by: Dr. R. Manjith, manjithkmr@gmail.com

Sri Ramakrishna Engineering College, Coimbatore

Deep Drive from Pointers to Data Structures – Hands on Approach

IEEE SB organized a one-day Hands-on Training on “Deep Drive from Pointers to Data Structures – Hands on Approach” on 19th and 20th August 2016. 48 students’ members attended the training conducted by Mr. A. Bharanidharan, AP/CSE. Dr. N.R. Alamelu, Principal and Prof. K. Balamurugan, IEEE SBC graced the occasion.

PHOTON 2016



IEEE SB organized a one-day intra-collegiate event, “PHOTON 2016 on 29th August, 2016, on the occasion of Engineer’s Day. The event was inaugurated by Dr.S. Elangovan, HOD/EEE, Jansons Institute of Technology Coimbatore and Chair, IEEE Young Professional Affinity Group & Student Project Funding of IEEE Madras Section. Dr.S. Elangovan shared the information about the benefits for IEEE student members and various awards in IEEE R10 & IEEE Madras Section. Dr. N.R. Alamelu, Principal; Dr. S.U. Prabha, HoD/EEE; Prof. K. Balamurugan, IEEE SBC and Mr.V.Thilak Das, SB Vice-Chair also spoke. Various

events were organized for the benefit of 320 participants included Q-Hunter, Hackathan, Logomania, Geskraft, TNT and Engineer’s Eye.

Report by: K. Balamurugan, balamurugan.kaliappan@srec.ac.in

Women make smart device to help build good habits

San Francisco-based entrepreneurs Kayla Mathus and Laura Day have developed a smart device called 'Moti', which helps users to build good habits like exercise and drinking more water. The device keeps reminding the user to continue the good habit and gets angry or sad when the user breaks the routine. On completing the task, the device celebrates by emitting light.

SSN College of Engineering, Kalavakkam, Chennai



Workshop on Cardiothoracic Equipment

IEEE SB and EMBS conducted hands-on Workshop on Cardiothoracic Equipment on 4th August, 2016. 45 students participated in this workshop which was conducted by professionals from Bio Vision Medical systems.

The three equipment dealt specifically in the workshop were: Intra-Aortic Balloon Pump, Heart Lung Machine and Hemotherm.



Industrial Visit

IEEE SB, EMBS and dept. of Biomedical Engineering arranged an industrial visit to Sri Ramachandra Medical College and Hospital on 10th August, 2016. The main objective is to have an in-depth knowledge of radiology and imaging equipment, nuclear medicine equipment and nephrology equipment.



Lecture on Power converters for PV applications

IEEE SB and EEE department organized a lecture on “Power converters for PV applications” by Dr. M. Prabhakar, Assoc. Prof, SELECT-VIT, Chennai on 17th August, 2016. Lecture, which was attended by 21 students, was organized by Dr. R. Ramaprabha & Ms. S. Malathy.



Membership Drive

IEEE SB organized a Membership Drive on 20th August, 2016 in the presence of Dr. R. Ramaprabha, IEEE SBC and Dr. S. Radha, IEEE ComSoc Faculty advisor. The event was organized by Mr. Vishal SB, Chair and Mr. D. Kavin, SB Secretary.



Workshop on Programming with PIC Microcontroller

IEEE SB and department of EEE organized a Hands-on Workshop on “Programming with PIC Microcontroller” on 20th August, 2016. 30 students participated in this workshop and get benefitted with hands-on practice. The resource persons were Ms. G. Ramya (Full-time Research Scholar, EEE/) & Mr. Mohana Krishnan (PG Student, EEE). Dr. R. Ramaprabha, Assoc Prof/EEE and Dr. M. Balaji also addressed the workshop organized by Mr. D. Kavin & Mr. P. Arjun.

IEEE Explore Digital Library: Delivering Research Better Than Ever

The event titled- “IEEE Explore Digital Library: Delivering Research Better Than Ever” was conducted by the IEEE-WIE affinity group on 30th August, 2016. The resource person was by Mr. Dhanu Pattanashetti, IEEE client services and university partnership program manager, Bangalore.



50 students and research scholars attended this event, which was organised by faculty coordinators, Dr. S. Karthika and Ms. Ranjini Vasu from the department of information technology. The event was also graced by the presence of the librarian Mr. G. Sethuraman, Ms. S. Rajalakshmi from CSE and Dr. Richa Malviya from BME.

IEEE Madras Section Participation in IEEE SYWL Congress 2016



IEEE Madras Section sent a youthful delegation to attend IEEE SYWL Congress 2016 held at Bangalore during 25th to 27th August, 2016. The event was held, coincidentally with the 50th anniversary of IEEE Region 10. Distinguished speakers for the event included Mr. Ananth Kumar, Union Minister for Parliamentary Affairs, Chemicals & Fertilizers; Mr. Ramakrishna Kappagantu, R10 Director; Dr. Howard Michel, 2015 IEEE President and CEO; Dr. Sathesh Reddy, Scientific Advisor to the Defence Minister; Mr. Vipin Tyagi, Executive Director - C DOT; Mr. Jim Pendergast, COO, IEEE; Prof. N Viswanadham, IEEE Life Fellow, IISc; Prof. Jose Moura, Vice President IEEE Technical Activities Board among others. The IEEE Madras Section put up a stall and entertainment for the gala event, allowing delegates to learn to dress up in dhoti, play the Mridangam, and also displayed a relic from Tanjore. Sweets were also distributed. Ms. Sangamalika Rajakumar, 3rd Year, IIIT-DM Kancheepuram presented her idea in the IEEE Innovation challenge finals and was part of the team that won the first place in the same.

List of Student and Young Professional delegates who attended the congress from IEEE MAS included:

- Mr. SB Vishal, SB Chair, SSN SB Chair
- Mr. Aravindhan Anbazhagan, Young Professional, Recipient of Larry.K.Wilson Award
- Ms. Fathima Begum, Student, SMIT
- Mr. Jamal Mohamed, Student, R10 SAC, JIT
- Mr. Jim Isaac, Student, JEC
- Mr. Nivas Ravichandran, Young Professional, IEEE R10 YP coordinator
- Ms. Nivetha Swaminathan, Student, St. Joseph College of Engineering
- Ms. Sangamalika Rajakumar, Student, IIIT-DM Kancheepuram
- Mr. Solomon Sagar, Young Professional, Former Chair-IEEE JEC SB, Recipient of Richard E. Mervin Scholarship Award
- Mr. Sujit Roy, Student, Chair-KCT IEEE SB
- Mr. Vijay Srinivas, Young Professional, Former Chair-IEEE JIT SB
- Mr. Vinod Sharma, Young Professional, Former Chair-IEEE SMIT SB, Region Student Ambassador at IEEE R 10

Report by: Dr.R.Ramaprabha, ramaprabha@ssn.edu.in

St. Joseph's College of Engineering, Chennai

Technical Computing in Matlab



IEEE IAS organized Technical Computing In Matlab” on 28th July, 2016. 10 teams with 4 members each participated in the event. Teams were given a circuit diagram which had to be computed using Matlab software . Event organizers were Irene Eliza Thomas, Nisony.S, Prarthika.M, R.Sarala and G.JeevithaPriyadarshini. The first prize was won by Ashwathi.M, Swetha.P, Thilagavathy.T and U.Vinothini. The second prize was won by Gokul Nath, Komahan.K and Logarajan.S.

BLITZ



IEEE RAS organized “BLITZ”, robotics event on 26th July, 2016. 14 teams with 4 members each participated. The event organizers were Sathya Kaushik.V.N and Sai Vignesh P. The first prize was won by Sakthinathan.S., Kiran Kumar, Siddarth.K and Madhan Raghavendra. The second prize was won by Sadhan.N, SatishKumar.M, Vijay Karthik.KS and Saravanan.V.

IEEE CIS Inauguration



IEEE CIS chapter was inaugurated by Dr.N.Kumarappan, IEEE CIS Chair, Madras Section. Dr. Vaddishesagiri Rao, Principal presided over the inaugural. Mrs. G. Lathaselvi, SB chapter advisor CIS, introduced the OBs. Faculty and student OBs and members, Mr. G.S. Uthayakumar Ms.S.Floryntena, Ms. Pavithra K.S., Ms. Nithya.D, Ms. C.Thejeswini and Ms .S. Tharini Sri also spoke.

IEEE Control System Society Chapter Inauguration



IEEE Control System Student Branch Chapter was inaugurated on 20th August 201 by Dr. T.Thyagarajan, Prof/Instrumentation Engineering, MIT Campus, Anna University, and Dr. R. Hariprakash, Chairman, IEEE Control System Society Chapter and Dean of Meenakshi group of institutions, Chennai. Dr. T.Thyagarajan gave wonderful lecture on the topic of doing “Scopus for Innovative projects in Instrumentation Engineering”. IEEE Student members, Arjun Shiva P, Diksha Uniyal, Gandikota Divya, Hari Hara Sudhan G, Srinivasakannan V, Jael Edith

N, Kaavya Pranavi Gunasekaran, Nithya B, Rajkannan C, Sriram J, Umamaheswari G, Venkatesh Prasanth M. were present. Control System Society Chapter advisor Dr.V.Vijayan and Department chairs Dr.K.Sundaravadivu (Staff Affairs), Dr.R.Sivakumar (Student Affairs) and Dr.P. Deepa (Lab Affairs) also graced the occasion.

Report By: Uthayakumar G S, guthayakumar@gmail.com

New self-driving car 'smiles' at pedestrians

Swedish technology firm Semcon has developed a concept for a 'smiling' self-driving car that lets pedestrians know when it is safe to cross the street. When the car's sensors detect a pedestrian, a signal is sent to its front-facing display that lights up like a smile, confirming that the car will stop at a safe distance

St. Joseph's Institute of Technology, Chennai



presentation.

Smart Grid/ Innovative Methods for Generation of Electricity competition

IEEE SB organized student competition on Smart Grid/ Innovative Methods for Generation of Electricity. Students were assessed on their knowledge and technical view on Smart Grid/ Innovative Methods for Generation of Electricity. Winners were granted prizes based on their



Technical Quiz on robots

Technical Quiz on robots was conducted on 17th and 24th July, 2016. 18 teams of 2 members each participated. The winners were:

- 1st team - 1. Madhura III/B 2. Neeraja III/B
2nd team - 1. Deepa IV/A 2. Flavia IV/A

Report by: Kousalaya gnana, eceieeadvisor@gmail.com

St. Xavier's Catholic College of Engineering, Nagercoil

14th Inaugural Ceremony of IEEE SB



IEEE SB organized its 14th Inaugural Ceremony on 25th August, 2016. The Guest of Honor for the Inaugural Ceremony was Mr. Abilash Praveen, Systems and Security Lead, Concise Creative, Australia. Rev. Fr. Dr. M. Maria William, Correspondent presided over the ceremony. The function was graced by Dr. S. Joseph Sekhar, Principal; Prof. A. Darwin Jose Raju, SB Coordinator; Prof. J. Bright Jose, Counselor, SBC and Prof. A. Subitha, WIE Faculty

Advisor. Others who spoke included Mr. F. Carmel Raja, Membership Committee; Mr. A. Arunkumar, SB Chairman; Ms. M. Ivana Bhagya, SB Secretary; Ms. C. Bertino, WIE SB AG Secretary; Ms. J. Beautlin Jenisha, Secretary, IEEE EduSoc SBC and Ms. N. Asiya Beevi, Chairperson, WIE SB.

Orphanage Visit



On the occasion of India's 70th Independence Day, IEEE WIE organized a visit to "Bishop Leon Children's Home" on 15th August, 2016. The event was graced by Prof. A. Darwin Jose Raju, SB Coordinator; Prof. J. Bright Jose, Counselor, SBC and coordinated by Ms. N. Asiya Beevi, WIE Chair. Active student participants included Ms. M. S. Bala Ramya, Mr. M. Bala Murugan, Mr. K. Ajith Kumar, Mr. L. Jenkins Roch, Ms. Kavyashree Prakashan and Ms. C. Bertino. Sister Celine thanked the student volunteers for visiting their orphanage and motivating the children.

Technical Gatherings

IEEE WIE organized a technical gathering on 9th August, 2016. Ms. R. Ankayarkanni, Vice-Chairperson of WIE addressed the gathering and clearly stated the difference between Learning and Studying. A quiz was conducted by Ms. B. Anuja of III ECE, with an objective of increasing the knowledge of the members.

IEEE SB organized a Technical Gathering on 16th August, 2016. Ms. M. Ivana Bhagya, the Secretary of the IEEE SB gave a thought provoking talk on ‘Positive Attitude’. A Quiz was conducted for the student members by Ms. A. Aswitha of IV ECE and prizes were distributed to the winners.

The Education Society Student Branch Chapter of IEEE SB organized a Technical Gathering on 23rd August, 2016. The meeting was presided over by EduSoc Joint Secretary, Ms. Kavyashree Prakashan of 3rd CSE. She explained about "Privacy Security Settings - Challenges of Social Media". Ms. R. Shiney, IEEE EduSoc Chairperson, of 4th EEE gave a Technical Talk on "Charging Mobile Phones Using Speech Signals".

IEEE SB organized a Technical Gathering on 30th August, 2016. Ms. M. S. Bala Ramya, the Vice-Chair of IEEE SB gave a brief talk on ‘Self Motivation’. Ms. Jessie Judi Robinson of III ECE delivered a talk on recent trends such as Google cars, electric switches operated by cell phones.

Report by: Ivana Bhagya, ivanabhagya@gmail.com

Velammal Engineering College , Chennai

IEEE Computer Society Student Chapter Inauguration



IEEE CS student chapter was inaugurated on 26th July, 2016 by Mr. HR Mohan, Vice Chairman, IEEE Madras Section and Immediate Past Chairman, IEEE Computer Society Madras. Dr. N. Duraipandian, Principal; Dr. V. Vijaya Chamundeeswari, HOD/CSE and chapter advisor; Dr. P. Visu and Mr. John Pandian, Chapter chair; addressed the gathering. Office Bearers for the year 2016 were introduced by Mrs. SKB Sangeetha, AP. These include Mr. Yakeshraj – Vice Chairman, Mr. Balu – Secretary, Mr. Pavan Nihal – Treasurer, Mr. Praveen Kumar – Communication Secretary and Mr. Karthikeyan – Web Master. Mr. HR Mohan also delivered a seminar on “Recent Trends in Information and Communication Technologies”. The seminar covered the latest advancements we have achieved in the field of information and communication technologies. He explained the technologies with related videos and images.



Mobile Application Development Workshop

IEEE CS student chapter and CSE department organized Mobile Application Development hands-on workshop with active participation of 60 students on 25th and 26th August, 2016. Resource persons were Mr. Aanand Pandey.R (currently working as Technical Lead in AetherPal India Pvt Ltd.) and Mr. Ranjth (currently working as Android developer and trainer in Accord Infomatics). Dr. R. Dhaya, Assoc Prof and Dr. V. Vijaya Chamundeeswari, HOD-CSE also graced the occasion.

Report by: Pandu visu, pandu.visu@gmail.com

Google needs 5000 times more code than space shuttle

Search giant Google runs on two billion lines of code, which is 5,000 times more than the code required by one of the earliest space shuttles launched in 1982, which required 400,000 lines of code. While social media giant Facebook requires 61 million lines of code to run, Android operating system needs 1.18 million lines of code.

Velalar College of Engineering and Technology, Erode



Technical Lecture on “Body Sensor Networks”

The departments of EEE and BME along with IEEE EMBS organized Technical Lecture on “Body Sensor Networks” by Mr. Jaspal Singh, Principal Engineer & Head (DECD), CDAC Mohali, Chandigarh on 5th August, 2016

Report by: Raja Ram: krajarambe@gmail.com

IEEE Madras Section



Technical Meeting

IEEE Madras Section, IEEE ComSoc Madras Chapter, IEEE CS Madras Chapter, IEEE PSES Madras Chapter, IEEE Information Theory Society Madras Chapter and IEEE Young Professionals jointly organized a Technical Meeting on 20th August, 2016. Dr. Kirupa Ganapathy, Prof, Saveetha University delivered a lecture on Wireless Sensor Networks. In her lecture, she stressed on the applications of wireless sensor networks in different fields including agriculture, military and biomedical applications. Earlier Mr. H R Mohan, Vice Chair, IEEE Madras Section welcomed the gathering and Mr. P Subramanian, ComSoc Chair introduced the Speaker.

Report by: Subramanian, surya602@yahoo.co.in

IEEE EMC Society Madras Chapter

IEEE Distinguished Lecture Programme on “Demystifying Signal Integrity in High-Speed Designs”



IEEE EMC Society Madras Chapter organized the IEEE Distinguished Lecture Program titled “Demystifying Signal Integrity in High-Speed Designs” by Prof. Ram Achar, Department of Electronics, Carleton University, Canada at SAMEER-CEM, Chennai on 6th July, 2016. The lecture was attended by 90 participants representing R&D organizations, industries and academia from the region. The lecture was addressed by Mr. V. Venkatesan, Programme director, SAMEER, Centre for Electromagnetics, Chennai;

Mr. Mahesh Chaluvadi, Execom member; Dr. T. R. Suresh Kumar, Treasurer; Mr. P. Salil, Vice-Chair and Dr. B. Subbarao, Chair of IEEE EMCS Madras Chapter.

Report by: Salil P, Salil@scemcd.gov.in

IEEE Information Theory Society Madras Chapter

125 UG students participated in Idea Presentation & Numerical and C Aptitude test on 26th August, 2016 organized by the chapter.

The chapter organized a talk on “An industrial perspective towards data management” by Mr. Ilango Somasundaram, Director, Enterprise Data Management, AnnikInc Technology Services, Seattle, USA on 30th August, 2016.

Report by: Dr. B. Paramasivan, hodcse@nec.edu.in

IEEE Computational Intelligence Society, Madras Section

- 4th to 6th August, 2016: Three day Workshop on “Implementation of Soft Computing Techniques using MATLAB”, National Engineering College, Kovilpatti.
- 26th August, 2016: Distinguished Lecture Programme Talk on “Computational Intelligence for Industrial and Environmental Applications”, Jeppiaar Engineering College, Chennai.
- 27th August, 2016: IEEE CIS Student Chapter Inauguration, St.Joseph College of Engineering, Rajiv Gandhi Salai, Chennai.

Report by: Kumarappan N, kumarappan.ieee@gmail.com

IEEE Oceanic Engineering Society (OES) India Council

Ocean Technology Student Camp 2016



The IEEE Oceanic Engineering Society (OES) India Council in association with National Institute of Ocean Technology (NIOT) and Marine Technology Society (MTS) India Section organized the first one day Ocean Technology Student Camp (OTSC 2016) on 3rd Sep 2016 at NIOT Campus. More than 65 students from 15 schools participated in the camp.

A quiz competition on Ocean Technology was conducted for students as part of the camp. Fifteen teams participated in the quiz competition. In the quiz competition, PSBB Millennium School Thalambur OMR won the first prize; BVM Global School got the second prize; and Amalorpavam Higher Secondary School Pondicherry the third prize.

Dr.R.Venkatesan, Chair IEEE OES IC & Chair MTS IC welcomed the gathering. After the introductory remarks by Dr. G. A. Ramadass, Vice Chairman IEEE OES IC, Dr. M. A. Atmanand, Former Director, NIOT & Chair IEEE Madras Section and Mr. H.R Mohan Chair, Vice Chair, IEEE Madras Section and Chair, IEEE PCS addressed the gathering. Shri. M. Arul Muthiah, Treasurer IEEE OES IC introduced Prof. M. Ravindran, the Chief Guest and the Founder Director of NIOT. Prof. Ravindran, in his talk to create awareness on Ocean Technologies explained the history of oceans and insisted on the need for more evolving minds – the students, to get in to the field of ocean technology development. He also highlighted that the importance of oceans should be taken to young generation, especially to students community.

A visit to Chennai Port was arranged for the students in the afternoon session. The students were explained about the port facilities, handling ships inside port, berthing and port related activities. The students who participated were greatly impressed with various ocean technologies pursued by India.

Report by: Dr R Venkatesan, dr.r.venkatesan@gmail.com

IEEE Product Safety Engineering Society Madras Chapter

Workshop on Recent Trends and Challenges in Communication and Networking Using Cisco Packet Tracer



IEEE PSES Madras Chapter and ECE department of Sreenivasa Institute of Technology, Chittoor conducted a two day, hands-on workshop on “Recent Trends and Challenges in Communication and Networking Using Cisco Packet Tracer” on 12th and 13th August, 2016. The resource persons were Mr.B.S.Ananth, Technical Manager – SARRC, Cisco Networking Academy, Cisco Systems, Bangalore; Dr. V. Jayaprakasan, Chairman, IEEE-PSES (Madras Chapter) and Mr. C. Kumar, Cisco Netacad Contact, Ganadipathy Tulsi’s Jain Engineering College,

Vellore. Dr. P. Ramesh Kumar, Principal,; Mr. G. Srinivasulu, HOD/ECE and Prof. R.M.Sultani also graced the workshop. 100 students benefited through this programme.

Two Days Workshop on “Basics of Electronics”



IEEE PSES Madras Chapter, IIS Technologies and EEE department of Adhi College of Engineering and Technology, Walajabad organized a two-day workshop and hands-on training program on “Basics of Electronics” on 19th and 20th August, 2016. Resource persons were Mr. T. Gurunath from a leading MNC and Mr. J. Baskar, IIS Technologies, Chennai. Mr. K. B. Bhaskar, HOD/EEE and Dr. J. Gayathri Monicka Subaran, AP/EEE also addressed

the workshop.

One Day Workshop on “Android Application Development”



JP InfoTech in association with IEEE PSES and IEEE Information Theory Society (Madras Chapter) conducted a workshop on “Android Application Development” at Pondicherry University on 20th August 2016. Dr. S.Vijayakumar, Treasurer, IEEE – Product Safety Engineering Society, Madras Chapter delivered a keynote address on “Applications of Android in Mobile Communications and Safety Aspects”. The other resource person was Mr. Shanmugam, Data Crew Solutions, Coimbatore. Mr. Jayaprakash of JP InfoTech and Mr. G.

Vinothkumar addressed the workshop, which was attended by 100 students.

Technical talk on “Microcontroller based Safety Automation System Design”



IEEE PSES and EEE dept. of Er. Perumal Manimekalai College of Engineering, Hosur conducted a technical talk on 23rd July 2016.

Dr. I. Thangaraju, AP/EEE, Government College of Engineering, Bargur presented the technical talk on “Microcontroller based Safety Automation System Design”.

Mrs. G. Shasikala, HOD/EEE, Mr. N. Selvakumar, AP/EEE and Principal Dr .S. Chitra also addressed the

gathering in which 115 students participated.

Seminar on Understanding TCP/IP Addressing and Subnetting Basics



IEEE Communications Society, IEEE Product Safety Engineering Society (Madras Chapter) and ECE department of St. Joseph's College of Engineering, Chennai organized a seminar Understanding TCP/IP Addressing and Subnetting Basics by Dr.V.Jayaprakasan, Chairman, IEEE-PSES (Madras Chapter) on 20th August 2016. Mr.G.S.Udayakumar, Assoc Prof/ECE, presided over the inaugural session. 75 students from various institutions got benefited through this programme

Technical talk on “Network Analysis and Synthesis for Safe Communication”



120 students.

IEEE PSES and ECE department of Vivekanandha College of Engineering for Women, Tiruchengode organized a technical talk on “Network Analysis and Synthesis for Safe Communication” by Dr.I.Thangaraju, AP/EEE, Government College of Engineering, Bargur on 30th July 2016. Dr. S. Suresh Kumar, Principal presided over the inaugural session. Dr. D. Sasikala, HOD/ECE and Mr. T. Jayasimha, AP/ECE also graced the seminar, which was attended by

Report by: Dr. V. Jayaprakasan, jayaprakasan.v.1974@ieee.org

IEEE SIGHT – ADSF

Mini-consultation on Safe boat design and boat building to FAO standards



A 2 day Mini Consultation on Safe Boat Design and Boat Building to FAO Standards was organized on 29th and 30th July, 2016 at Moderator Gnanadason Polytechnic College (MGPTC), Nagercoil by IEEE ADSF SIGHT in association with Association of Deep Sea Going Artisanal Fishermen. Mr. I .Edwin Dyanand , Principal, MGPTC inaugurated the programme. Mr. Xavier, owner of the boat Mochanam, Mr. Pushpa Nayakam, owner of the boat Arputha Matha and Mr. Simson, Head/Mech,

MGPTC were the resource persons of the consultation. MGPTC college and the principal were also felicitated by SIGHT for active contribution. Annai Vailankanni College of Engineering received the award of Major Sponsor for supporting 5 Days IEEE Summer Camp 2016. Others who spoke included Mr Vincent Jain, Chair, IEEE ADSF SIGHT; Ms. Divya.C.; Mr. Mano of Aishwariya College of Engineering and Technology and Prof. Gaswin Kastro. All participants were taken to a field visits to see boat construction in Chinnamuttom, Kanyakumari owned by South Indian Federation of Fishermen Societies (SIFFS).

The mini consultation concluded with the following recommendations:

- ◆ Organize a Technical committee under the Chairmanship of Joint Secretary-Fisheries, Ministry of AHD &F, Government of India
- ◆ Organize special programmes for the fishermen to create awareness on the importance of Naval Architecture
- ◆ Organize exposure programme to the Engineering College students about the potential use of Engineers in Boat Building
- ◆ Organize a model boat competition in the Name of APJ Kalam

Report by: Er. Divya, divyachelladurai12@gmail.com

Information Resources

Compiled by

H.R. Mohan

Vice Chairman, IEEE Madras Section

Chief Editor, IEEE MAS LINK

ICT Consultant & Former AVP (Systems), The Hindu, Chennai

hrmohan.ieee@gmail.com

Six futuristic phone designs: Cell phone technology continues moving forward year after year, but many of the developments are incremental—a better camera, more storage space, or a faster processor. Those are just the improvements that make it to the mass market, though. There's a whole world of innovative developments in cellular phone design and technology that most people have never heard a word about, and some of them even come from leading cell phone manufacturers. Nokia, for instance, has developed a cell phone that can recharge in your pocket and other models made from largely recycled materials. Other companies are working hard to develop modular phones that are easier to repair and upgrade, thereby cutting down on electronic waste. It's impossible to know which of these futuristic technologies we'll actually be able to get our hands on, but it's fun to dream about what kind of features your cell phone might have in another five years. <http://goo.gl/RKGXAn>

Six innovative rooftop solar technologies: It's never been easier to give your house a solar roof. Falling manufacturing costs and increasing demand have led to a number of fascinating new solar products in recent years, including roof shingles with integrated solar cells, modular solar arrays and even efficient thermal tiles made from glass. As the technology improves and more people get turned on to the benefits of renewable energy, we expect to see even more innovative products hitting the market in the coming months and years, pushing forward the envelope for solar power production. <http://goo.gl/2g3dUf>

Six futuristic data storage technologies: Digital technology is taking over the world, and scientists are hard at work finding better ways to store data -- lots of it and for long periods of time. Scientists are exploring new materials for data storage as well as new methods for printing data on their chosen medium. While some companies are storing data on the ocean floor, other imagineers look upward, dreaming of giant storage skyscrapers. With so many different innovations happening in such a short period of time, the race is on to unlock the keys to near-limitless data storage potential. <http://goo.gl/ZMPCbr>

Android 7.0 Nougat: The smart person's guide: Learn what features and security enhancements Android Nougat has to offer, and why it's important, in this resource guide about the seventh iteration of the Android platform. <http://goo.gl/MPF91q>

GE makes \$1.4B bet on 3D printing, acquires two firms to boost additive manufacturing: GE recently announced plans to buy Arcam AB and SLM Solutions Group, continuing its efforts to gain a competitive foothold in the fast-growing 3D manufacturing space. <http://goo.gl/sZxLfb>

10 pieces of military technology that changed the way the civilian world works: A lot of the advanced technology that's part of your everyday life started off as tools of war. Some military-to-civilian tech transitions are well known, but there are a few that you might not know about. Here are ten pieces of technology that launched in a more weaponized role. <http://goo.gl/26IL91>

Software-Defined WAN For Dummies: This easy-to-read book gives you jargon-free best practices for Software-Defined Wide Area Networking. Learn the need for SD-WAN adoption for branch networking; benefits of migrating to a SD-WAN solution; and top 10 considerations for SD-WAN deployment. Read it online at <http://viewer.zmags.com/publication/2ff5f0ed>

Why You Should Invite Artificial Intelligence to All Your Meetings: New artificial intelligence technologies are able to handle all the drudgery associated with business meetings so the poor humans don't have to. Only humans can have meetings, sadly. But some of the clerical work associated with organizing and documenting meetings now might be outsourced to artificially intelligent machines. Wait, you might say. Isn't artificial intelligence for big tasks such as self-driving cars, automated trading and facial recognition? Once the stuff of science fiction, AI is quickly becoming widespread, available and even commoditized. <https://goo.gl/IW9fu1>

Android 7.0 for Developers: Android 7.0 Nougat introduces a variety of new features and capabilities for users and developers. This document highlights what's new for developers. Make sure check out the Android 7.0 behavior changes to learn about areas where platform changes may affect your apps. <http://goo.gl/dYU9r>

Google Cloud Platform: The smart person's guide: This comprehensive guide covers the history of Google Cloud Platform, the products and services it offers, and where it fits in the overall cloud market. <http://goo.gl/xR3sK3>

Microsoft Azure: The smart person's guide: This comprehensive guide about Microsoft Azure includes common use cases, technical limitations, and what to know before adopting the cloud computing platform. <http://goo.gl/jcbu1v>

Amazon Web Services: The smart person's guide: This comprehensive guide about AWS covers the expansive cloud services offered by Amazon, common use cases and technical limitations, and what to know for adopting this technology. <http://goo.gl/iN13Nn>

Five cheap or free ways to make a PC faster: It's 2016 and tech users have a plethora of different devices to choose from, ranging from tablets to smartwatches, yet the most commonly asked question to land in my mailbox hasn't changed in over two decades. <https://goo.gl/wABjDo>

Bloatware: What it is and how to get rid of it: Is your new Windows system laden with unnecessary -- or even harmful -- software? Here's a rundown of what to look for and how (or if) you can uninstall it. When you buy a new Windows PC, you expect it to be clean and lean, starting up fast and speeding through your work as quickly as you need it to. Ah, if that were only the case. The truth is, most Windows PCs start off slower than they should be, clogged with unnecessary preloaded software. Known as bloatware (or a number of less complimentary terms) this software comes in many different forms. Most bloatware isn't dangerous, but it can slow down your system and take up space on your hard drive. How much does bloatware slow down your PC? It's hard to say, but there are some indications that it can have a considerable effect. In this article the author discusses the most common types of bloatware you'll encounter, how to uninstall it and how to buy bloatware-free PCs. (Note that this article covers only Windows computers, and not Macs or other systems) <https://goo.gl/i6qeWb>

Women in tech: 20 stories of women doing big things with their tech skills: There's plenty to talk about, ranging from the amount of money women make and the positions they're hired for, to how they're educated, and the kind of health care they receive, even the way they're taxed for tampons. It's good to talk about serious issues affecting various segments of the population. If all this rubs you the wrong way — sorry not sorry, but there's a lot about gender equality that's pretty messed up, including the idea that we can make good as a society one day or month a year. Is it positive to have a day about women to raise awareness about their achievements and struggles? Yes. Would it be better to treat people with equality the rest of the year? You bet. Here's a roundup of some — not all — of our favorite profile pieces on women in tech who are knocking down stereotypes year-round. <https://goo.gl/zgAema>

10 free resources to help you learn to code: Get started coding with one (or several) of these 10 free resources for learning to code. If you've recently gotten the bright idea to learn to code, you're not alone. The facts are that there exist more jobs than talent to fill them in the tech sector, and if you're willing to dig in and build your skillset and portfolio, you could have a career before long. But where to start? There are many options out there. Some choose to go back to school, some sign up for for-profit bootcamps, others for workshops and seminars. If you're not ready to commit a ton of time and money just yet, one of these 10 free resources might be just what you need to get started learning to code. <https://goo.gl/fSHOP1>

6 ways the robot revolution will transform the future of work: TechRepublic spoke to Alec Ross, author of The Industries of the Future, about the global impact AI and robotics will have on the future of work. <http://goo.gl/KxHYPX>

7 short books worth more than an MBA: Over the past few decades, the value of an MBA has declined, probably because the academic world can't keep up with the rapid pace of change in the business world. Relatively few entrepreneurs have MBAs, but the author of the post bets that almost all of the successful ones have read and truly treasure these seven short, easy-to-read classics: <https://goo.gl/rgsGZ8>

Top 10 Motivational Books of All Time: Every business library should include at least one of these gems. In this post, the author lists the books that drive readers to change their lives, improve their lot, and build better careers. <https://goo.gl/hSorJC>

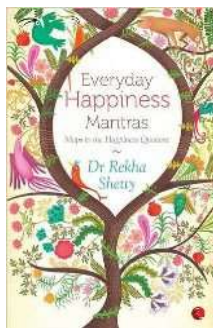
50 Tips for Starting Your Own Company: Starting your own business isn't for the faint of heart. It's stressful and pretty much demands your complete focus. On the plus side, it can also be a fulfilling experience professionally and personally. Here are 50 tips on how to make your business come to life. <https://goo.gl/UEppJO>

\$127 Billion in Drone-Powered Business Applications: The commercial applications of drones: Big consulting firms don't invest in little markets. So when a major player, like PwC, establishes a new global center of excellence around an emerging technology, like drones, it's probably worth swooping in for a look. If you do, you'll find a new PwC report at <http://goo.gl/CtrKGp> that pegs the commercial applications of "drone powered solutions" at more than \$127 billion. That's the current value of the business and labor — in sectors including infrastructure, transport, insurance, media and entertainment, telecommunication, agriculture, security, and mining — that could be supplanted by drone technology in the coming years.

7 Ways To Fix Your Slow Internet: With Internet practically acquiring the status of a family member in the new Generation X families, it hurts on another level altogether whenever your this family member is feeling low and not working. You try your level best to make it work, shut the Wi-Fi on and off, shut your devices on and off, thinking it would miraculously start feeling well again and work with all its might but, alas, you given in and contact your internet provider. If you also have to go through this painful ordeal every now and then, then worry no more because we have figured out few fixes and tweaks which will surely going to help you solve your this very important problem once and for all. <http://goo.gl/ggLBww>

A Personal SEO Tool for your Website: If your website is not optimized for search engines, you'll never get the traffic you're looking for. A tool called SEO tool panel can be used to easily optimize your website for best results. Let's set it up. <http://goo.gl/AEnB9n>

Book Reviews

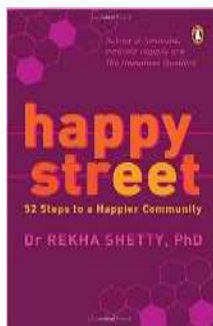


Everyday Happiness Mantras

Author: Dr. Rekha Shetty. Publisher: Rupa Publications.

Pages: 200. Price: Rs. 295/- Buy from Amazon at <https://goo.gl/zvSvtT>

Everyday Happiness Mantras, your very own guidebook to good cheer, will stay with you through the annual calendar and constantly remind you of the things that truly matter in life. Divided into fifty-two articles for each week of the year this book concentrates on one home truth at a time, observing each of which will ensure that you never have a bad day. Covering topics as varied as the power of communication and everyday love, to the importance of observing the annual rituals of the International Family Day and International Women's Day, Everyday Happiness Mantras takes old habits and imbues them with new significance that gives them renewed relevance. If you are choosing happiness over everything else this year, this is the book for you.



Happy Street: 52 Steps to a Happier Community

Author: Dr. Rekha Shetty. Publisher: Penguin Books.

Pages: 216. Price: 299/- Buy from Amazon at <https://goo.gl/U0eP8D>

52 simple steps to a better life. Our ceaseless toil to achieve success often assumes that our ultimate goal—happiness—lies at the end of a rainbow. But what if the key to happiness lies within each of us, and it is for us to build our own local Shangri-La, a Happy Street? Happiness guru Dr Rekha Shetty's new book shows us how we can make every day special by following some simple mantras and doing just a little bit to make a difference to our immediate environs. Seize the day; Practise acts of compassion; Take a break; Celebrate the little things; Treat yourself to joy; Leave your footprint on life; Build your own sustainable environment; Bring Lakshmi home. Happy Street is your very own step-by-step guide to achieving happiness for yourself and to building a better community.

Forthcoming Events

Events Technically Sponsored by Madras Section and Madras Section Societies

2016 International Conference on Renewable Energy And Materials For Sustainability (ICREMS); 20 - 21 Oct 2016 at Noorul Islam University, Nagercoil.

2016 International Conference on Communication and Electronics Systems (ICCES); 21-22 Oct 2016 at PPG Institute of Technology, Coimbatore. confyy.com/events/icces.php#

2016 Online International Conference on Green Engineering and Technologies (IC-GET); 19th Nov 2016 at Karpagam College of Engineering, Coimbatore. <http://www.oicget.com/>

2016 International Conference on Engineering and Technology (ICET); 16-17 Dec 2016 at karpagam college of Engineering, Coimbatore. www.oicget.com

2016 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC); 15-17 Dec 2016 at Agni College of Technology, Chnannai. <http://itfrindia.org/2016ICCIC/>

2016 International Conference on Design and Manufacturing (IConDM); 16-17 Dec 2016 at Indian Institute of Information Technology, Chennai. www.iiitdm.ac.in/icondm16/callfor

2016 First International Conference on Sustainable Green Buildings and Communities (SGBC); 18 – 20 Dec 2016 at Indian Institute of Technology Madras, Chennai. <http://www.sgbconf.org/>

2016 International Conference on Robotics:Current Trends and Future Challenges (RCTFC); 19 - 20 Dec 2016 at SASTRA University Campus, Thanjavur, <http://www.sastra.edu/rctfc2016/>

2017 11th International Conference on Intelligent Systems and Control (ISCO); 5-6 Jan 2017 at Karpagam College of Engineering, Coimbatore. www.kceisco.com

2017 International Conference on Computer Communication and Informatics (ICCCI); 5-7 Jan 2017 at Sri Shakthi Institute of Engineering and Technology, Coimbatore. <http://www.iccci.in/>

2017 International Conference on Computer, Communication and Signal Processing (ICCCSP); 10 – 11 Jan 2017 at SSN College of Engineering. icccsp.com/

2017 International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology (ICEEIMT); 3 – 4 Feb 2017 at Karunya University, Coimbatore. <http://www.karunya.edu/ece/icieeimt17/>

2017 International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud); 10-11 Feb 2017 at SCAD Institute of Technology, Palladam. <http://ismac2017.com/venue.html>

2017 International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies (ICAMMAET); 16 - 18 Feb 2017 at Bharath Institute of Higher Education and Research, Chennai.

2017 Second International Conference on Electrical, Computer and Communication Technologies (ICECCT); 22-24 Feb 2017 at SVS College of Engineering, Coimbatore. www.icecct.com

2017 International Conference on Information Communication and Embedded Systems (ICICES); 23-24 Feb 2017 at S.A. Engineering College, Chennai. www.saec.ac.in/icices2017

2017 2nd International Conference on Computing and Communications Technologies (ICCCT); 23-24 Feb 2017 at Sri Sai Ram Engineering College, Chennai. www.sairam.edu.in/icct17

2017 4th International Conference on Electronics and Communication Systems; 24-25 Feb 2017 at Karpagam college of Engineering, Coimbatore. www.icecs.in

2017 Third International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB); 27- 28 Feb 2017 at Prathyusha Engineering College, Chennai. <http://www.aeeicb2017.prathyusha.edu.in/>

2017 Twenty-third National Conference on Communications (NCC); 2-4 Mar 2017 at Indian Institute of Technology Madras , Chennai. <http://ncc2017.org/>

2017 International Conference on Inventive Communication and Computational Technologies (ICICCT); 10-11 Mar 2017 at Ranganathan Engineering College, Coimbatore. <http://icct2017.com/index.html>

2017 4th International Conference on Innovations in Information, Embedded and Communication Systems; 16-17 Mar 2017 at Karpagam college of Engineering, Coimbatore. <http://iciiecs.in/contact.html>

2017 International Conference on Computation of Power, Energy Information and Communication (ICCPEIC); 22-23 Mar 2017 at Adhiparasakthi Engineering College. <http://iccpeic.weebly.com>

2017 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET); 22-24 Mar 2017 at Sri Sivasubramaniya Nadar College of Engineering, Chennai. <http://www.wispnet2017.org/>

2017 International Conference on Communication and Signal Processing (ICCSP); 6 – 8 Apr 2017 at Adhiparasakthi Engineering College, Chennai. <http://www.iccsp-apec.com/>

2017 International Conference on Telecommunication, Power Analysis and Computing Techniques (ICTPACT); 6-8 Apr 2017 at Bharath Institute of Higher Education and Research, Chennai.

2017 International Conference on Trends in Electronics and Informatics (ICEI); 11-12 May 2017 at SCAD College of Engineering and Technology, Tirunelveli. <http://icoei.com/index.html>

Other Events

ADCOM-2016: 22nd annual International Conference on Advanced Computing and Communications at Bangalore during 8-10 Sep 2016. <http://accsindia.org/category/adcom-2016/>

ISC2-2016: 2016 IEEE International Smart Cities Conference. The flagship conference of the IEEE Smart Cities Initiative, ISC2 will be held in Trento, Italy, 12-15 Sep 2016. <http://events.unitn.it/en/isc2-2016> .

IEEE Day 2 2016: Call for IEEE Madras Section Member Achievements – 2016. Last date: 30th Sep 2016. <https://goo.gl/x1znX1>

IEEE Day -2016: Call for Video Clip Submission. Last date: 30th Sep 2016. <http://goo.gl/vl6ZNT>

IEEE Day – 2016: Call For "Presentation of Best Activities by SBs" Last date: 30th Sep 2016. <https://goo.gl/jeqWSG>

IEEE ProComm during 2-5 Oct 2016 at Austin, Texas. Theme: Communicating Entrepreneurship and Innovation. <http://sites.ieee.org/pcs/procomm2016/>

IEEE Madras Section Student Paper Contest 2016 (SPC2016): Last date: 3rd Oct 2016. <https://goo.gl/TuuUZJ>

All India Student-Young Professionals-WIE Congress 2016 (AISYWC), 7-9 Oct 2016 at LNM Institute of Information Technology, Jaipur Rajasthan. Kindly register on or before 7th August, 2016. www.aisywc.in

The 5th IEEE Global Conference on Consumer Electronics (GCCE 2016) ; October 11-14, 2016 at Kyoto, Japan <http://www.ieee-gcce.org/2016/index.html>

IEEE International Forum on Smart Grids for Smart Cities (SG4SC) that will be held October 16-18, 2016 at Paris, France. <http://www.ieeesg4sc.org/>

2016 IEEE International Symposium on Technology and Society (ISTAS 2016) on the theme Disruptive Technologies, Ethics and Global Development. 21-22 Oct 2016, Trivandrum, Kerala, India <http://istas2016.org/>

7th International Conference on Transforming Healthcare with IT 2016 is being held on 21-22 Oct 2016, ITC Chola, Chennai along with 21st annual conference of ISfTeH (International Society for Telemedicine and eHealth). As the IEEE Computer Society, Madras Chapter is a supporting organisations of this conference, a discount of 15% is applicable on the registration fee to the members of IEEE. While registering for the event pl. enter the discount code as DISCIEEE. <http://www.transformhealth-it.org/>

BIBE-2016: The 16th annual IEEE International Conference on Bioinformatics and Bioengineering. Oct 31-Nov 2, 2016, in Taichung, Taiwan <http://bibe2016.asia.edu.tw>

IEEE Madras Section Student Project Funding 2016 – 2017: .Call For Project Abstracts. Last date: 31st Oct 2016. <http://sites.ieee.org/madras/4483-2/>

IEEE India Council is Organizing 4th National Workshop on Cyber Security at Mumbai on 12th and 13th of November 2016. <http://events.hubilo.com/CyberSecurityWorkshop2016>

TENCON-2016: The theme for TENCON 2016 is Technologies for Smart Nation and it will be held in Singapore from 22-25 Nov 2016. Last date for paper submission: 30 May 2016. <http://www.tencon2016.org>

PEDES 2016: IEEE International Conference on Power Electronics, Drives and Energy Systems, 14-17 Dec 2016, Trivandrum, Kerala, India. www.pedes2016.org

International Conference on Smart Cities (ICSC'16) at RGM College of Engineering and Technology, Nandyal, Andhra Pradesh, India during 15-17 Dec 2016. Last date for paper submission: 15th Sep 2016 <http://rgitnandyal.com/ICSC16/>

INDICON-2016: 16-18 Dec 2016 at Bangalore. <http://www.indicon2016.in>

IEEE Bombay Section Symposium-2016 (IBSS-2016). 21-22 Dec 2016 at Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati. <http://ibss2016.ieeebombay.org/>

HTC-2016: Humanitarian Technology Conference. Date: December 21-23, 2016, Venue: Agra, India <http://www.ieeehtc2016.com>

9th International Conference on Trends in Industrial Measurements and Automation -TIMA 2017 during 6th,7th & 8th - January, 2017. Last date for paper submission is 15th Nov 2016. <http://tima2017.org/>

Announcements

IEEE Day – 2016

The IEEE Day - 2016 will be celebrated at the Madras Section on 15th Oct 2016 from 9.00 a.m. to 2.00 p.m. The venue is under finalisation. A formal invite for participation will be sent to all members in a short while. We are planning to have interesting sessions to engage all members. Some of the sessions planned include: Keynote address, Quiz on the theme “Know your IEEE”, Felicitation to members for their achievements, Presentation on Best Activities by SBs, Video clips on Technologies for humanity, Ice Breaking and Fun Activity, Opportunities to receive awards from IEEE, India Strategic Initiative on Entrepreneurship and Innovation etc., We request all our members keep a not on the date and register as soon as you get the formal invite by the last week of Sep 2016. Please note that Pre-Registration is a must and spot registration on 15th Oct 2016 will not be entertained.

IEEE Day – 2016: Call for IEEE Madras Section Member Achievements - 2016

As you are aware the IEEE Day 2016 will be celebrated at the Section on 15th Oct 2016 at Chennai. While a formal invite for the same with tentative agenda will be sent to you in a short while, we are in the process of collecting information regarding the achievements of the members in order to felicitate them at the IEEE Day. In this context, we request you to provide the details of your achievements (such as membership elevation, awards from India Council, R10, HQ, Societies / AGs etc., and recognition by other agencies for any significant activities carried out by you), during the year 2016. Pl. fill the google form at <https://goo.gl/eFepB0> All details provided till 30th Sep 2016 will be considered and evaluated for recognition at the IEEE Day on 15th Oct 2016.

ICT Quiz

The IEEE Computer Society (CS) Madras Chapter along with IEEE Professional Communication Society (PCS) Madras Chapter is organizing a ICT Quiz as a part of the celebration of the 70th anniversary of IEEE Computer Society. The Quiz will cover the Information and Communication Technology history and trends.

Students (both College level and School level of 10th grade and above) and professionals can participate in the Quiz in teams consisting of TWO persons.

Attractive prizes for all SIX teams selected for Regional Oral Quiz at SIX centres and Finals at Chennai. Certificate of participation to all taking part in the online prelims.

Please read the announcement at <http://goo.gl/ESjKRu> OR visit the website at <http://goo.gl/fhCeD7>

You can register online at <https://goo.gl/2olHmC> Before go ahead with registration, pl. read the announcement for guidelines.

If you need any clarifications, pl. email to ieeecsmds@gmail.com with subject as "ICT Quiz".

OR Contact any one of the following:

Dr. P. Sakthivel, Chair, IEEE CS Madras. Phone: +91 9444412789

IEEE Madras Section Office. Phone: +91 44 24423939, Mobile: +91 9382328776

The Last date for Registration along with payment is 22nd Sep 2016.

This ICT Quiz is supported by: Infocareer, Anjanasoft, Orbit Innovations, Kalpathi Investments & Pearson

IEEE Day – 2016: Call For "Presentation of Best Activities by SBs"

Dear Student Branch Counsellors & Office Bearers

As you are aware the IEEE Day 2016 will be celebrated at the Section on 15th Oct 2016 at Chennai.

As announced in the earlier IEEE MAS LINK newsletter, we propose to have a session on "Presentation of Best Activities by SBs" for about 30 minutes in which SIX selected SBs will be given a five minute slot to present about their events/activities organised to popularize the vision and mission of IEEE in localities in and around their SBs.

To facilitate the selection of these SIX SBs, who will get a chance to present their activities, pl. arrange to send your presentation copy (not to exceed 5 minutes in about 10-15 slides) to ieemas.docs@gmail.com on or before 30th Sep 2016. Late submissions will not be entertained.

The shortlisted SBs (to present their activities at IEEE Day) apart from getting recognised, will also get 10 points while their SB annual report for the year 2016 is evaluated for awards and recognition..

IEEE Day – 2016: Call for Video Clip Submission: "Best of YouTube – Technology for a Better Tomorrow"

As you are aware the IEEE Day is celebrated in the month of Oct every year. The IEEE Day – 2016 will be celebrated at the Madras Section on Saturday, 15th Oct 2016.

To popularize the mission of IEEE -- Leveraging Technology for a Better Tomorrow, on the IEEE Day, we wish to screen few video clips which demonstrate / highlight how the technologies, both simple and high-end are applied to help the humanity.

YouTube, one of the largest video sharing sites allows billions of people to discover watch and share videos. YouTube provides a forum for people to connect, inform, and inspire others across the globe and acts as a distribution platform for original content creators and advertisers large and small.

In the IEEE Day, we propose to screen 6-8 video clips of duration of 3-5 minutes each and of size less than 20MB based on the suggestion by our members whom they consider best, worth watching and truly highlight the mission of IEEE.

This programme will done by crowd-sourcing the content (video clips) from the members. In this context, we request you to send the best YouTube video clips in mpeg (mp4) format by downloading it from YouTube in order to avoid online streaming at the programme.

Pl. send your clips on or before 30th Sep 2016 following the guidelines provided in this email.

You may use website <http://keepvid.com/> to convert and download the YouTube video clips in mp4 format. Paste the URL of the clip at the top of the form and click on DOWNLOAD button. Then use the Download MP4 (max 480p) option. If the downloaded mp4 file size exceeds 20 MB (the limitation of Gmail for an attachment), re-download with lesser resolution say 360p to reduce the size of the file. After downloading make sure that that the file is usable by playing and watching the clip.

Pl. note that only one clip per member will be accepted to provide opportunity to a larger group of people. The clips of duration longer than 5 minutes will not be considered. Pl. avoid sending clips dealing with content not suitable for public viewing and which may hurt the sentiments.

A panel of judges will review and shortlist the clips for screening if the response is found to be overwhelming. The organisers' decision is final in accepting the clips. The contributors of the video clips selected for screening will be awarded a cash prize of Rs 250 each, as a token of appreciation.

Submission guidelines: (2 steps to be followed)

Step 1. Pl. send the mp4 file by email to ieemas.events@gmail.com with your name & file name in the subject line.

Pl. provide the following information in the body of the email.

Name
Designation
Company/Institution Name
Contact Phone No.
Email ID
Membership No.
Category of Member
Video Clip Title
Video Clip URL
Duration of the Video Clip
File Name of the mpeg Video Clip
Size of the mpeg Video Clip file
Why you consider this Video Clip is best

Step 2. Pl. use the google form at <http://goo.gl/0Pz9TU> and provide the above personal information and the details of the video clip submitted for our consideration & tracking your submissions.

The last date to submit the video clips is 30th Sep 2016.

As we will be shortlisting a max of 6-8 video clips, pl. send your video clips immediately.

For clarifications of any, pl. send email to ieemas.events@gmail.com

Details of funds transferred from IEEE HQ to IEEE Student Branches through IEEE Madras Section

S.NO.	COLLEGE NAME	AMOUNT	REMARKS
1	Jeppiaar Institute of Technology	25,701	SB funding for 2015 (Rebate)
2	Knowledge Institute of Technology	8,343	SB funding for 2015 (Rebate)
3	Prathyusha Institute of Tech. & Management	9,285	SB funding for 2015 (Rebate)
4	Sri Ramakrishna Engineering College	25,028	SB funding for 2015 (Rebate)
5	Sri Sairam Engineering College	41,041	SB funding for 2015 (Rebate)

Financial Assistance extended by IEEE Madras Section to SBs to organize events

SB College Name	Event Date	Topic	Amount (Rs)
R.M.K. College of Engineering & Technology	17-18, Jun 2016	Two days National Level Workshop on Embedded System Technologies	5000.00

Call for MGA Awards

You can help recognize the efforts of outstanding volunteers by nominating individuals for one of the prestigious [IEEE Member and Geographic Activities \(MGA\) Awards](#). Each award has a unique mission and criteria and offers the opportunity to honor distinguished colleagues, inspiring teachers, and corporate leaders.

If you know someone who has made substantial regional IEEE volunteer contributions through innovative projects, exemplary leadership, service, or by fulfilling the goals as related to transnational activities, consider nominating them for one of the following awards

- [MGA Larry K. Wilson Transnational Award](#)
- [MGA Innovation Award](#)
- [MGA Leadership Award](#)
- [MGA Achievement Award](#)
- [MGA Young Professionals Achievement Award](#)

Please visit the MGA Award nomination web page to [review the nominator guidelines and eligibility requirements](#), reference the step-by-step submittal instructions, and [link to the portal for nominations](#).

The deadline for nominations is 15 October 2016 (for completed nomination form and two letters of endorsement).

Nominate a colleague now: Please note: MGA awards are peer-recognized awards; therefore, self-nomination is not permitted. Please [e-mail MGA Awards](#) with any questions about the MGA Awards and Recognition Program.

New IEEE Event Finder™ app helps members find IEEE events nearby

With help from members in Region 10, a new app to help IEEE members identify IEEE events or conferences has been released. The app will use the geolocation feature of the user's phone to identify events happening nearby. Download the free app from the [Apple iTunes](#) or [Google Play](#) store. [Read the full article in the The Institute](#)

IEEE Annual Election: last chance to vote: deadline 3 October

Balloting started on 15 August for this year's election, which poses annual election candidates and the IEEE Board of Directors proposed Constitutional Amendment. In addition to the two candidates for 2017 IEEE President-Elect, James A. Jefferies and Wanda K. Reder, various IEEE Divisions and Regions, as well as IEEE Standards Association, IEEE Technical Activities, and IEEE-USA will be electing their officers.

Eligible voting members can access and return their ballot electronically or return by using the postage-paid reply envelope included in their ballot package.

Balloting ends at 12:00 noon Central Time USA (17:00 UTC) on 3 October 2016.

Join the IEEE Virtual Career & Talent Expo

All IEEE members are invited to attend the IEEE Virtual Career & Talent Expo. Through this new member benefit, members can gain access to many resources for a competitive advantage in their careers.

The next live event is Wednesday, 21 Sep 2016, from 10:00 a.m. (1700 UTC-7) – 2:00 p.m. PT (2100 UTC-7).

Join online from the comfort of your own computer, tablet, or mobile device, to connect live with recruiters from hiring companies.

Connect directly with IEEE resources via virtual booths, including IEEE Women in Engineering, IEEE Young Professionals, and IEEE Career Resources.

The Expo incorporates a virtual environment with additional resources including: assessment tools, webinars, e-books and many others—bringing you a new experience in getting hired.

[Register now for immediate access at www.IEEEexpo.org](http://www.IEEEexpo.org)

IEEE-USA offers free e-books to members in September and October

As a special benefit to IEEE members for the month of September, IEEE-USA E-Books will offer "A Living Resume – Volume 2: Documenting Your Writings, Awards and Honors," by author Harry T. Roman. Roman's continued story of documenting your growth as a professional stresses the importance of sharing your accomplishments. He writes that "Accomplishments form the icing on the cake of your career; and should be carefully itemized and detailed." This e-book is available 1 September to 15 October.

[Get your free e-book \(log in to your IEEE Account, add book to your cart, and use promo code SEPTFREE16 at checkout\)](#)

In October, IEEE-USA E-Books will offer "Shaping an Engineering Career--Book 3/Vol. 2: Advancing to Management." Author Alan C. Tribble explains the different types of management jobs, (e.g., engineering management, program management, business development management, etc.) that are typical career-growth opportunities for engineers. He offers advice on how to work within an organization, as well as specific recommendations for technical personnel preparing to transition to management This e-book is available 1 October to 15 November.

[Get your free e-book \(log in to your IEEE Account, add book to your cart, and use promo code OCTFREE16 at checkout\)](#)

IEEE Madras Section Student Paper Contest 2016 (SPC2016)

The call for participation in "IEEE Madras Section Student Paper Contest 2016 (SPC2016)" being held on 21st & 22nd October 2016 is open. It is jointly organized by IEEE Madras Section & Vel Tech University IEEE Student Branch has been mailed to all. For detailed brochure pl. visit <https://goo.gl/TuuUZJ>

IEEE Madras Section Student Project Funding 2016 – 2017

The call for Project Abstracts has been mailed to all our members. The last date is 31st Oct 2016. For additional details, pl. visit <http://sites.ieee.org/madras/4483-2/>

Useful IEEE Links

- Global Benefits Finder: http://www.ieee.org/membership_services/membership/benefits/index.html
- 2017 IEEE Membership and Society Membership Dues
http://www.ieee.org/membership_services/membership/join/join_dues.html
- IEEE Society Memberships: http://www.ieee.org/membership_services/membership/societies/index.html
- IEEE Student Activities: http://www.ieee.org/membership_services/membership/students/index.html
- IEEE Geographic Unit Formation Policies and Petitions
http://www.ieee.org/societies_communities/geo_activities/forms_petitions/forms_petitions_index.html
- Student Branch Officer Responsibilities and Administration
http://www.ieee.org/membership_services/membership/students/officers.html
- IEEE Region 10: <http://www.ieeer10.org>
- IEEE Contact & Support: http://www.ieee.org/about/contact_center/index.html
- IEEE Support Center: <https://supportcenter.ieee.org>
- IEEE Websites / Sitemap: <http://www.ieee.org/sitemap.html>

IEEE Madras Section membership status as on 1st September 2016

Affiliate	17
Associate Member	53
Fellow	4
Graduate Student Member	680
Life Member	7
Life Senior	11
Member	2183
Senior Member	176
Student Member	4549
Total	7680

For Private Circulation

IEEE MAS LINK

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