
Vol. 13 No. 3 Apr 2016

Message from Chairman



Dear Members,

Season's Greetings

I am sure you would have had a look at our Newsletter which has come out elegantly under the deft stroke of the editorial team lead by Mr. H. R. Mohan. Along with the eVersions of the MAS LINK for Feb & Mar 2016, the recent print edition for the quarter Jan-Mar 2016 has been brought out and posted to professional members and institutions. PDF version of the print edition has been sent to student members and others. Your feedback is welcome.

While I had indicated in passing about the seriousness with which student branches (SBs) should work, I would like to reiterate this in full earnest now. A set of letters have been sent from our section to those SBs which are inactive / having zero members and our team is following up to their best of ability. I feel, as responsible SBs, there should not have been a need to do this. My request to all those who go through this newsletter are that they should proactively increase the membership at least to the required level if not more and come up with activities in case they have been dormant for some time due to whatever reason. Though it is not pleasant, I may once again warn that in case the dormant branches do not enliven themselves, we may be constrained to close them, which will have a bad reputation for the Institution itself and sincerely hope it is better to avoid the same. I am seeing the approval of many new SBs in the past few months. While, it is a welcome sign, they should all remember that sustainability also is also equally important.

You may be aware that India stands second to only United States as far as the IEEE membership number is concerned. However, our involvement in IEEE activities at home as well as internationally is minimum. It is necessary for each one of us to actively participate in the multifarious activities of IEEE, which are elaborated in the website. As you chose the food of your liking at a food court in a mall, I request you to choose the area and activity which you like to do as part of IEEE and proceed. I am sure the basket of IEEE is so diverse that you can find something of your interest somewhere. In the unfortunate event that you do not find anything interesting, you have the freedom to start the activity of your liking as part of IEEE and grow further with many volunteers who are like you. That is the beauty of IEEE.

IEEE has grown to all branches, unlike what it was a few decades back. Please throw away the concept that IEEE is only for Electrical and Electronics Engineers and encourage students from other branches of study to join and get benefited. With the rapid developments in technology, keeping one updated in his area of work is becoming essential and membership in IEEE is an opt choice.

My best wishes to all students who are taking up their semester exams in the next few weeks. Do consider and take part in internships during your summer holidays to hone your skills and become industry ready. That will pay you in the long run. IEEE is ready to help you in this regard.

Till next time,

Yours voluntarily

M A Atmanand
Chairman, IEEE Madras Section



Prashant R Nair
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Message from the Editors



H.R. Mohan
Chief Editor

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Dear Readers,

Welcome to the 3rd issue of IEEE MAS LINK for the year 2016. While we are happy about the increased activity reporting, it is noted that only select SBs are regularly reporting on their activities. We are aware that there are numbers of SBs are conducting events but not reporting for inclusion in the newsletter. Also, we are given to understand that a significant number of SBs are also not reporting their activities to IEEE HQ and eventually miss out the rebate (annual grant) from the HQ. We urge all the SBs to take care of this issue and avail the benefit. In order to release the newsletter by middle of the month, we have implemented our criteria of not considering events reported after 8th. All SB counsellors are requested to make a note and submit the reports as per the guidelines available at <http://ieeecs-madras.managedbiz.com/link-web/report-to-maslink-submission-guidelines.pdf>

This month issue of MAS LINK features the activity reports from 23 SB, Four Affinity Group apart from the Section activities. The SBs and AGs whose activities published include: Aarupadai Veedu Institute of Technology, Chennai; Ganadipathy Tulsi's Jain Engineering College, Vellore; Jeppiaar Institute of Technology, Chennai; Karpagam College of Engineering, Coimbatore; KLN College of Engineering, Madurai; Kongu Engineering College, Erode; KPR Institute of Engineering and Technology, Coimbatore; M. Kumarasamy College of Engineering, Karur; National Engineering College, Kovilpatt; Dr. NGP Institute of Technology, Coimbatore; Prathyusha Engineering College, Chennai; Rajalakshmi Engineering College, Chennai; Rathinam Technical Campus, Coimbatore; SASTRA University, Thanjavur; Saveetha School of Engineering, Saveetha University, Chennai; Dr. Sivanthi Aditanar College of Engineering, Tiruchendur; Sri Krishna College of Engineering and Technology, Coimbatore; SRM University, Ramapuram Campus, Chennai; SSN College of Engineering, Chennai; St Joseph's College of Engineering, Chennai; Thiagarajar College of Engineering, Madurai; RMK College of Engineering and Technology, Chennai; Kings College of Engineering, Punalkulam; Women in Engineering Affinity Group; Entrepreneurship & Innovation Committee; SIGHT and Electron Devices - Coimbatore Chapter.

In the Announcements section, you will find the new opportunities for members in India which include Group Medical Insurance, Career Opportunities in Collabratec and India centric communities in Collabratec; . Call for nominations for 2016 IEEE Region-10 Awards & Recognitions; Forthcoming events; Careers@Singapore: Electronics – with a focus on IC Design; and Useful IEEE Links etc.

We had good response to the MAS LINK READER QUIZ-1603. Our idea of starting this quiz was to make every one read the newsletter which will indirectly motivate them to be more active. As announced, we are pleased to award two lucky winners – Mr. V. Sudarsan (SASTRA Univ) and Dr. Ramaprabha (SSNCE), the Amazon Gift Coupons of value Rs. 500 each. The awards for the QUIZ-1603 are sponsored by IEEE Professional Communication Society. The awards for the QUIZ-1604 are being sponsored by IEEE Computer Society. We look forward to other Society Chapters and Affinity Groups to come forward and sponsor the future awards. .

Our Chairman in his message has expressed his concerns regarding the SBs which are inactive or having zero members. To avoid the closure of such SBs, we request these institutions to act immediately since the membership dues are charged at 50% from Mar 2016 for the rest of year till Dec 2016.

Along with the Info Resources, we have published an extract from the talk on “ICT in Education” by Dr. M. Ponnavaikko, our Past Chairman. We look forward contributions from our members to make MAS LINK shelf worthy. To access past issues of MAS LINK, pl. visit <http://ieeecs-madras.managedbiz.com/link-web/index.html>

Aarupadai Veedu Institute of Technology, Chennai

Faculty Seminar Series



The IEEE SB with the ECE Dept. held the inauguration of the Faculty Seminar Series on Feb 22, 2016. Mr. D. Vijendra Babu, HOD, spoke on the concept of Faculty Seminar Series. Principal Dr. A. Prabakaran inaugurated the series and stressed on the need for the exchange on developments in the field among the faculty. The series of lectures which was coordinated by Mr. P. Subramanian, Assoc. Prof, ECE, consisted of the following lectures:

- 22nd Feb 2016: The first in this series of lectures was delivered by Dr. B. Sridhar, Prof., ECE, on the topic “Antennas for Energy Harvesting”.
- 14th Mar 2016: Ms. L. K. Hema, Assoc. Prof., ECE delivered a lecture on “Wireless Sensor Networks“ covering the concepts of wireless sensors, wireless sensor networks, their advantages and applications along with the design concepts involved.
- 15th Mar 2016: Mr. B. Sivachandra Mahalingam, AP, ECE, delivered a talk on “Video Compression Standards” which dealt with the need for video compression, types of compression techniques and existing standards.
- 16th Mar 2016: Mr. R Karthikeyan, AP, ECE, delivered a talk on “Machine Learning”. The lecture included the concepts of neural networks, fuzzy learning and other soft computing techniques in the context of machine learning.
- 17th Mar 2016: Mr. J. Salai Thillai Thilagam, Assoc. Prof., ECE delivered a lecture on “Microstrip Antennas”. The lecture was informative and dealt with the design, applications and advantages of microstrip antennas.

You are never too old to set another goal or to dream a new dream. -- C. S. Lewis

Life is 10% what happens to you and 90% how you react to it. -- Charles R. Swindoll

Good, better, best. Never let it rest. 'Til your good is better and your better is best. -- St. Jerome

Electron Devices - Coimbatore Chapter

3rd International Conference on Devices, Circuits and Systems (ICDCS'16)



The 3rd International Conference on Devices, Circuits and Systems was held during 3-5 Mar 2016 at Karunya University, Coimbatore. Dr. S. Sundar Manoharan, Vice Chancellor, presided over the inaugural session. The chief guest was Dr. Christian Teichert, Associate Professor, Institute of Physics from Montan Universitaet, Leoben, Austria. Dr. Rajendra Singh, Professor and Director, Centre for Nano electronics, Clemson University, USA and Dr. N. Mohan Kumar, Professor and Chair, IEEE Electron Devices Society, Madras Chapter were the guests of honour. The conference proceeding was released at the inaugural session..

The Inaugural function was followed by the key note talk by Dr. Christian Teichert on “Exploring the potential of graphene as transparent electrode material for organic semiconductor devices”. Dr. Rajendra Singh gave a keynote talk on “Photovoltaics, Battery And Internet Of Things Manufacturing For Transformation Of Global Electricity And Transport Sectors”.

In the afternoon, papers were presented by authors from National Applied Research Laboratories, Taiwan, Saudi Arabia, University of Western Australia, Kirkuk University, Iraq, various government research agencies like CSIR – National Aerospace laboratories, DRDO - SSD laboratory, IITB, IEST, VIT, Jadhavpur University, Army Institute of Technology, Pune, Government College of Engineering, Aurangabad, NIT Trichy, NIT Rourkela, NIT, Arunachal Pradesh, Aligarh Muslim University, Amrita University, Bannari Amman Institute of Technology, Thiagarajar College of Engineering, Madurai, Haldia Institute of Technology, Calcutta, University of Delhi, and various State Universities. The participants were from 14 states like Delhi, Maharashtra, Odisha, Kolkatta, Bangalore, Andhra Pradesh, Telengana, Jharkand, Kerala, Haryana, West Bengal University of Technology, Kolkatta, BITS pilani, Kolaghat Thermal Power Station.

The second day was a combined session of ICDCS and National Workshop on Recent Research Trends in Nano Scale Devices, Circuits and Systems. The details of which is presented under the Workshop.

National workshop on Recent Research Trends in Nano Scale Devices, Circuits and Systems



A one-day National Workshop on Recent Research Trends in Nanoscale Devices, Circuits and Systems was conducted on 4th Mar 2016. The conference attracted 87 persons including the participants including faculty from various colleges of Coimbatore and Pondicherry. The workshop sessions included:

Talk on “GaN,InAs and GaSb based TeraHertz Electronics for Biomedical Sensing and Imaging applications” by Dr. N. Mohan Kumar, Professor, SKP Engineering College, Tiruvannamalai and IEEE Electron Devices Society Madras Chair.

Lecture on “GCGS-DGMOSFETs is a prospective device for Nanoscale CMOS Technology” by Dr. Chandan. K. Sarkar, Professor, Jadhavpur University, Kolkatta and Distinguished Senior Fellow, IEEE.

Talk by Dr. Christian Teichert, Associate Professor, Institute of Physics, Montan Universitaet, Leoben on “Atomic Force Microscopy”.

Lecture by Dr. D. Nirmal on “Applications of high power and low power devices”.

A visit to NEMS/MEMS lab and the facilities available was organised as a part of the conf. explained by Dr. S. Rajesh, Professor & HOD/Nano Sciences explained the facilities. The workshop ended with the distribution of participation certificates. This workshop provided an insight into the current research trends and cutting edge technology of semiconductor fabrication and analysis.

Reported by: Dr. D. Nirmal, dnirmalphd@gmail.com

Ganadipathy Tulsī's Jain Engineering College, Vellore

Women's Day Celebration



Women's Welfare Committee (WWC) in association with IEEE WIE celebrated women's day on 7th Mar 2016. Prof. A. Manimegalai, HOD/ECE, IEEE SB Advisor and coordinator of Women's Welfare Committee presented the annual report of WWC. Some video clipping based on women's achievement were played. Mrs. Thangaprakash, Correspondent and Principal of Sunbeam Schools, Katpadi, Vellore was the Chief guest who in her talk spoke on women's awareness, women's education. A debate on the topic “Women Rights – Accepted or Rejected” was conducted and mementos were distributed to the participants.

Workshop on Arduino Based Designs



Dept. of ECE, IEEE COMSOC in association with SKM Electronics organized a two-days' workshop on “Arduino Based Designs” during 11-12 Mar 2016. A total of 55 students and 20 faculty members participated in the workshop. Mr. .V. Gopi, CEO, SKM Electronics, Tirupattur was the resource person of the workshop. After the introductory sessions on Arduino and its evolution, practical sessions were conducted on interfacing Arduino with many devices such as LED, LCD, GSM, GPS, and SENSOR. Mr Gopi also conducted a contest and the winners were given prizes. At the valedictory on 12th Mar, Dr. R. Varadharajan, Principal, GTEC addressed the gathering and distributed participation certificates.

Reported By: KUMAR C, mr.c.kumar@ieee.org

Life is really simple, but we insist on making it complicated. – Confucius

Life isn't about finding yourself. Life is about creating yourself. -- George Bernard Shaw

Life is not a problem to be solved, but a reality to be experienced. -- Soren Kierkegaard

Jeppiaar Institute of Technology, Chennai

Robotics Workshop



A basic Session about Robotics was organised by JIT-IEEE SB for the first year students on 16th Mar 2016. The IEEE SB Chairman Jamal Mohamad explained about IEEE, its membership benefits, IEEE Extreme programming Contest, Blog Development and his experiences in IEEE. He encouraged first year students to make use of their IEEE membership to their best.

The session on Robotics was conducted the IEEE members D. Vignesh and S. Vignesh who talked about Robotics, their models etc.,. The model developed during Robocon contest was showcased. The session highlighted latest robotic technologies and implementation of these technologies in day to day life. The wrkshop ended with S. Susheel speaking on content development and sharing his experiences in IEEE Networking.

WIE Event – Womes as Professional



IEEE-WIE AG conducted a program on “Women as Professional” on 22nd Mar 2016. Ms. Pachipula Pranavi, Programmer Analyst, Cognizant Technology, Student Ambassador at Xovian Start-up Space Agency & great space enthusiastic at SDNX was the chief guest.

The session was very interesting and motivating for every young budding engineer. Through this session participants got immense knowledge about a space and other aspects that were related to space.

Online Event – Blog Contest

A blog development contest was organised. It was an online contest open for a week starting from 21st Mar 2016 to 21st Mar 2016. Students from various departments participated in this contest which attracted 16 responses. These blogs were evaluated by the staff members and the winners were announced with their blog link. The winners were awarded with some cool goodies and prizes and the certificate of appreciation to all the participants..

Reported By: Mr.S.Selvin Pradeep Kuma, ieeesbc@jeppiaarinstitute.org

IEEE MAS LINK congratulates
Mr. S. Sellakumar, Counsellor, IEEE SB
at Jeppiaar Engineering College, Chennai
for having wond the third prize in R10 Website Contest
organised by the IEEE Region 10 Student Activities Committee.
The SB gets a cash prize of USD 200 and a certificate.

Karpagam College of Engineering, Coimbatore

Startup Conclave 2016



The Startup Conclave 2016 was organized on 29th Feb 2016 by Karpagam Innovation Centre (KIC), an initiative by the engineering community to support and be a part to realize our Prime Minister Mr. Narendra Modi's dream projects namely Startup India, Standup India, Make in India and Smart City into reality. The event was supported by IEEE Robotics and Automation, Madras Chapter.

The event started with a welcome address by Dr. A Nirmal Kumar, Principal of KCE, followed by the Presidential address by Dr. R. Vasanthakumar, Chairman and Managing Trustee, Karpagam Charity Trust. The Chief Guest address was delivered by Mr. Ashu Agarwal, Director, BW ACCELERATE. The Guests of Honour who graced the event include: Mr. Palanivel, Dept. Director, MSME, Mr. Dheenadayanan, Salt Audios, Mr. Satheesh Kumar, The Talk, Mohamed Nassar, E2E EXCITE, Mr. Vijayramkumar Veeraraghavan, CEO, Help'r and Mr. Pawas Jain, Founder Wired Hub.

This event had attracted and encouraged over 100 startups. 27 startups had their venture pitched up to the larger audience. Among them seven startups were sponsored and by the investors. During the day the startups were provided opportunity to have discussions with the mentors, experts, investors and professional service providers.

WCFTER'16: World Conference on Futuristic Trends in Research and Innovation for Social Welfare

World Conference on Futuristic Trends in Research and Innovation for Social welfare (WCFTER'16) was organized by Dept of ECE (PG) on 29th Feb & 1st Mar 2016. This Conference was technically sponsored by IEEE Robotics and Automation Society, Madras Chapter. This conference was conducted as an extension of the event Startup Conclave 2016. Out of 506 papers received after a review by a panel of over 183 reviewers, 122 papers were selected for presentation representing an acceptance rate of 23.68%. The conference was inaugurated by Dr. P.A. Manoharan, Chair, Robotics and Automation Society, Madras Chapter: Prof. Danilo Pelusi, Dept of ECE, University of Teramo, Italy delivered the keynote address.

ICIECS'16: 3rd International Conference on Innovations in Information Embedded and Communication Systems



The 3rd International Conference on Innovations in Information Embedded and Communication Systems was organized by Dept. of ECE (PG) on 17th & 18th Mar 2016. This Conference was technically sponsored by IEEE Computational Intelligence Society, Madras Chapter. The conference received responses from various countries like Bangladesh, China, Japan, South Africa, Russia, Norway, etc. Out of 4200 papers

received after a review by a panel of over 300 reviewers – specialists in different fields from all over the world, 1480 papers were selected for presentation representing an acceptance rate of 28.3%. This conference was inaugurated by Dr. Mo Jamshidi, Editor-in-Chief, Taylor & Francis, USA. Dr. N. Kumarappan, Vice-Chairman, IEEE Madras Section delivered the keynote address.

Yesterday is not ours to recover, but tomorrow is ours to win or lose. -- Lyndon B. Johnson

Knowledge Institute of Technology, Salem

German Language Training



The IEEE SB in association with ECE Dept organized “German Language Training, Level A1” on 5th Feb 2016. The resource person for this program was Mrs .Sasi Vadhani, German Language Trainer, Salem. On the first day, the resource person highlighted on how the speaking and understanding of another language opens up career opportunities. She added that German is one of the most spoken language in the European Union and the tenth most spoken language in the world apart from being one of the main languages used in business and international diplomacy. Regular classes will be held for nine hours per week till the A1 examination.

Manathinil Thelivu Kol



Women Empowerment Cell in association with IEEE SB organized a guest lecture on “Manathinil Thelivu Kol” for all girl students and faculty members on 3rd Mar 2016. Jc. Sridevi Sakthivel, Chartered President, JCI Attur Lotus and Jc Subhasini Eswarakrishnan, National Trainer, JCI were the guests.

Eight Secrets to become an Empowered Woman



resource person..

Women Empowerment Cell in association with IEEE SB organized an awareness programme entitled “Eight Secrets to become an Empowered Woman” for all the girl students of various departments on 8th Mar 2016. Mrs. Nalini Sampathkumar, Motivational Speaker, Life Coach, Writer and Journalist was the

Tech Talk on Recent Technology: The IEEE SB organized an event on “Recent Technology” on 8th Mar 2016 in which the 2nd and 3rd year IEEE student members took part actively and shared their knowledge about the recent technologies..

Detective Pennin Anubavamum Magalirkana Seithiyum



Women Empowerment Cell in association with IEEE SB organized an awareness programme on “Detective Pennin Anubavamum Magalirkana Seithiyum” on 9th Mar 2016. Detective I.S. Yasmin, Managing Director, ISY Verification Service, Coimbatore was the Chief Guest.

While addressing the students, the guest shared her experience in detective field and how she overcame all her obstacles to reach her destination. She stressed that women must improve their decision making skills and also must be assertive, adaptable and should stand by on their own.

During the Q &A session, for the query on how she could manage her family and her detective career, she replied that every women has capacity to manage family and her career and highlighted on the need for work life balance.

Group Discussion on Privatisation of Present Education System -- Boon or Bane: The IEEE SB organized a group discussion on “Privatisation of Present Education System -- Boon or Bane” on 11th Mar 2016.

3rd National Conference on Recent Trends in Communication & Information Technology



The Dept. of ECE along with IEEE SB organized the 3rd National Conference on Recent Trends in Communication & Information Technology on 12th Mar 2016.

The chief guest, Dr. V.R. Vijayakumar, Associate Professor/ Department of ECE, Anna University Regional Centre, Coimbatore, in his talk, spoke on the role of paper presentation, career development, role of communication and self-learning in securing job opportunities, research, product development and trends in automation. He also provided an overview on Core & IT Companies, their recruitment processes,

The guest of honor, Mr. E. Karunanidhi, Manager, Human Resources of Jasmin Infotech, Chennai. delivered a talk on “Quaternionic wavelet transform and its applications in Image Processing”.

The various sessions of the conf. were chaired by the alumni members of ECE Dept. Mr. R. Vishagan, Technical Leader, WIPRO Limited, Chennai, Mr. S. Prabhu, Software Engineer, Delphi Automotive Pvt. Ltd., Bengaluru, Ms. M. Nethravathi, Associate Software Engineer, iNautix Technologies, Chennai and Ms. M. Elakkiya Priya, Assistant Systems Engineer, Jasmin InfoTech, Chennai.

Students from various colleges presented their papers in areas such as Communication and Networking, Embedded & Real time Systems, Signal & Image Processing, VLSI Design etc., Certificates and cash awards were distributed to the prize winners during the valedictory.

Discussion on IEEE Spectrum: IEEE SB conducted a discussion session on IEEE Spectrum Magazine Analysis for IEEE SB members on 18th Mar 2016. Mr. M. Bharanidharan, IEEE SB faculty in-charge explained the importance of IEEE Spectrum. Students discussed on the article “Next-Gen Sensors Make Golf Clubs, Tennis Rackets, and Baseball Bats Smarter Than Ever”.

IIT Spoken Tutorial Online courses: IEEE SB in association with IIT Bombay started online courses on C & C++ for 2nd and Java for 3rd year students on 18th Mar 2016 to be conducted on a regular basis.

Debate on Private Job Vs Govt. Job: The IEEE SB organized a debate on “Private Job Vs Govt Job” on 23rd Mar 2016 in which all the 2nd and 3rd year IEEE student members actively participated. This Event was conducted by final year IEEE members. The best performers in this debate were identified and awarded with certificates and honored with compliments.

Report by: Hari Prasath. R, r.balajirhp@gmail.com

KLN College of Engineering, Madurai

Lecture on “Belief System and Emotional Intelligence”



The IEEE SB organized a lecture on “Belief System and Emotional Intelligence” on 2nd Mar 2016 in association with Junior Chamber International (JCI), Madurai. Rtn. JC. B. Muthuraja, Vice President, JCI, Madurai introduced the speakers of the programme and outlined the significance of emotional intelligence. Mr. JC. Jeyaprakash, Zone Vice President, Zone XVIII, JCI, Madurai spoken on the impact of emotional intelligence in handling societal issues. Mr. S. Solaman Jebakumar, CEO, Next Step Training and Consultancy discussed on belief and emotional intelligence with real-life examples. 132 students were benefitted by these lectures.

Guest Lecture on “Introduction to Automation on Drives”



The IEEE SB organized a guest lecture on “Introduction to Automation on Drives” on 9th Mar 2016 in which Mr. S. Vignesh, Manager, Center for Excellence and Mr. Akmal, Manager- Training Siemens Ltd, Chennai provided the details on the Siemens’ extensive range of industrial automation systems, unique, integrated system designed for deployment with all manufacturing applications. They explained about the manufacturing, process automation, solutions for infrastructure tasks which help increase productivity. Few videos relating to power electronics, energy, continuous process industry

and biomedical were screened. The speakers also clarified various questions asked by the students and interacted about the design. 132 students attended the guest lecture and get benefitted.

Industrial Visit



The IEEE SB organized an industrial visit to Kudankulam Nuclear Power Plant on 23rd Mar 2016. Dr. S. M. Kannan, IEEE SB Counselor organized the visit for 126 students of the SB. During the visit, Mr. Raosaheb H.Chavan, Scientific Officer – E (Civil) addressed the students along with Mr. Ashok, Scientist and Mr. M. Sudalai, Program Coordinator, Public Awareness Committee. In this visit, the students were exposed to nuclear power plant operation, control and safety.

Reported by : Dr S.Venkatanarayanan , venjeveee@gmail.com

Kongu Engineering College, Erode

National Workshop on Python



OOP, Classes, Objects, Inheritance, Packages, Namespaces and Exception handling. An introduction on GUI programming and the ways in implementing a user interface application.

The IEEE SB and WIE AG organized a national workshop on Python on 1st & 2nd Mar 2016. Mr. Vengatesh, CEO, Consensus Technologies, Coimbatore conducted the workshop. Topics covered include: Basic and advanced concepts like Basic Syntax, Constructs, I/O Statements, Operators and Expressions with programming challenges posed at every level, Insights to Conditional Statements and Control Struts & Programming on Sequence Data Types, List, Tuples, Dictionaries and functions, Regular Expression,

Village Survey for Sangamam Project



covered with agricultural land, it was suggested to replace the electric motors with solar motors for irrigation. Awareness was also created among the people about cleanliness, education, usage of bio fertilizers, and avoiding the plastic usage.

As part of Women's Day celebration, the Village Survey for the SANGAMAM Project was organized by IEEE SB and WIE AG. The survey was conducted in Ramayagoundenpalayam of Tirupur district on 8th Mar 2016. The aim of this survey is perform a socio-economic survey and find real-time solutions for the problems in the village. The village consists of 40 houses with a population of around 100 people, most of whom are daily-wage labourers. Since most of the area is

AVANZARE v10.0 – National Level Technical Symposium



A two-day national level technical symposium AVANZARE v10.0 was organized by IEEE SB of KEC on 17th & 18th Mar 2016. 137 Students from various institutions were participated in the symposium. Thiru. V. K. Muthusami, Correspondent of the college presided over the symposium. The chief guest was Ms. N. Kavitha, Director, STEPS Knowledge Services Private Ltd, Coimbatore. Various events included in this symposium are: Paper Presentation, Project Presentation, Mega Mind, Pseudo Extreme, Gaming and Embedded Challenge.

Internet of Things (IoT) Workshop



The IEEE SB organized a two-day national workshop on “Internet of Things (IoT)” on 17th & 18th Mar 2016. Nearly 70 Students from various institutions attended the workshop. The workshop was conducted by CSE faculty, Mr. K. Sentamilselvan, and Mr. A. Jeevanantham. Topics covered included introduction about IoT and its usage in process control in industries, PHP (Hypertext Preprocessor), Raspberry Pi (Rpi) controller in IoT, Arduino controller and board.

Report by: S.M. Soundarrajan, smsrajan94@gmail.com.

KPR Institute of Engineering and Technology, Coimbatore

Workshop on “Energy Auditing and its Conservation Techniques”



The IEEE SB conducted a one-day national workshop on “Energy Auditing and its Conservation Techniques” on 24th Mar 2016. The resource persons for the workshop were Dr. P. Selvakumar, AP/Mech, Kongu Engineering College and Prof. S. B. Nithyananth, AP/Mech, Kumaraguru College of Technology. Nearly 50 participants from various colleges attended this workshop. Topics covered included: Energy Efficiency, Conservation and Energy Management, Energy Saving Potential, Energy

Conservation Act, Energy Conservation Building Codes (ECBC), Objectives and Methodology of Energy Audit (EA), and Case Study on EA in Malabar Cement Plant.

Workshop on “Real Time Embedded Systems Using ATMEGA Controller



The IEEE SB conducted a one-day national workshop on “Real-time Embedded Systems using ATMEGA Controller” on 18th Mar 2016. Dr. K. Rajasekaran, Professor and Head, Department of EIE, Karunya University, Coimbatore gave the inaugural address and a session on “Embedded System – An Insight” and along with his team gave hands on training on ATMEGA128 controller which was very helpful to the participants for their project and research work. The session started with the basics of ATMEGA controller and progressed on to the programming of ATMEGA controller. Another resource person for the workshop was Dr. X. Anitha Mary, Assistant Professor, Department of EIE, Karunya University

handled the topics on Concepts on interrupts, timer and interfacing. The workshop concluded with mini project by the participants. Around sixty participants from various institutions attended the workshop.

Report by : Dr.V.Kumar Chinnaiyan, kumarchinn@hotmail.com

M. Kumarasamy College of Engineering, Karur

JUARA 2016



The IEEE SB conducted JUARA'16, an intra-collegiate meet on 24th Mar 2016. 72 students participated in the meet, which consisted of two events, Debate and Ad-Zap.

In the Debate, topics such as “Alcohol”, “Arranged Marriage” and “Hollywood vs Kollywood’ were debated.

The Ad-Zap event provided the students opportunities to improve their communication skills in presenting advertisements and overcome their stage fear in front of the large audience.

ReportBy : P .Sai Ram, sairamprakasamr@gmail.com

National Engineering College, Kovilpatti

Mr. Chanakyan

The IEEE CS student chapter organized, Mr. Chanakyan on 10th Mar 2016. 30 students participated in the event, which required them to answer 20 tactical society-relevant questions within the stipulated 30 minutes of time duration in very keen manner. Ms. C. Vidhya of III Year CSE won the 1st prize and declared as Mr. Chanakyan.

Colloquium on Claude E. Shannon's Remembrance - The C³



The 100th birth anniversary of Claude E. Shannon, Founder of Information Theory, is being celebrated this year. To mark this event, IEEE Information Theory Society, Madras Chapter organized a colloquium on “Claude Shannon's Remembrance - The C³.” along with IEEE SB on 2nd Apr 2016. The inaugural address was delivered by Dr. S. Shanmugavel, Principal and Dr. S. Tamilselvi, Vice-Chair of IEEE Information Theory Society presided over the event in

which 40 students participated and enriched their knowledge on Shannon’s inventions.

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

Keep your face to the sunshine and you cannot see a shadow. -- Helen Keller

Correction does much, but encouragement does more. -- Johann Wolfgang von Goethe

In order to carry a positive action we must develop here a positive vision. -- Dalai Lama

Dr. NGP Institute of Technology, Coimbatore

Distinguished Lecture Programme on “Drives for Electrical vehicles”



The IEEE SB organized a Distinguished Lecture programme on “Drives for Electrical Vehicles” on 3rd Mar 2016. The lecture was delivered by Dr. K.Raghavan, Associate Professor, Indian Institute of Technology, Gandhinagar, Gujarat.

Dr. Thavamani D Palaniswami, Secretary of the college presided over the function.

195 students benefitted from the programme and were familiarized with the various technical aspects such as electrical drives design and installation for vehicles.

Workshop on “Industrial Automation Using Ladder Programming”



The IEEE SB organized a one-day hands-on workshop on “Industrial Automation Using Ladder Programming” on 31st Mar 2016.

The resource persons were Mr. R. Srinivasa Prabu, Business Manager and Ms. S. Anandavalli Revathy, Application Engineer, Livewire, Coimbatore.

About 65 participants from III year electrical and electronics engineering dept. benefitted from this workshop

Report by: Dr. K. Porkumaran , porkumaran@gmail.com

Prathyusha Engineering College, Chennai

AEEICB 2016: International Conference



The 2nd IEEE International Conference on Advances in Electrical, Electronics, Information, Communication And Bioinformatics-2016 (AEEICB - 2016)” was organized at Prathyusha Engineering College in association with the IEEE Madras Section, IETE and CSI on 27th Feb 2016. 200 papers were presented during the conference and

included in IEEE Xplore.. Dr. S. K. Singh, Director, Ministry of News & Renewable, Energy Govt. of India, inaugurated the conference and released the proceedings. Others who participated in the inaugural included Mr. V.S. Prakash Attali, Principal, Head-Education & Training, Division of Infosys, Chennai-STP; Shri. P. Raja Rao, Chairman, PEC and Dr. P. M. Beulah Devamalar, Principal. Distinguished speakers included Mr. Santhosh Thomas, Global Hybrid Cloud Architect, IBM Global Technology Service, Chennai; Dr. G. Giridhar, Deputy Director General / Head – SRRA, MNRE, Govt. of India and Dr. Jeyaraj Selvaraj, Professor, University of Malaya, Malaysia.

Report by: Dr. M. Moorthi, moorthi.ece@prathyusha.edu.in

Rajalakshmi Engineering College, Chennai

Orientation Programme



The IEEE SB organized an orientation program, “Journey of Attitudes” on 3rd Mar 2016.

Dr. Sheila Anand, Senior Member, IEEE, inspired the students with her talk on the benefits of IEEE membership.

Mr. C. Arun Sandeep, IT Consultant, Chennai was the chief guest at the program.

Over 150 enthusiastic students attended the orientation.

International Conference on Engineering Digital Green Era



The IEEE SB along with IEEE CS and Computer Society of India (CSI) SBs organized an international conference on Engineering Digital Green Era (EDGE) during 17th to 19th Mar 2016. The conference was supported by IEEE Madras Section and IEEE Computer Society, Madras chapter. The following tutorials were conducted:

- Vision for 5G Communications by Dr.M.Meenakshi, Prof/ECE, College of Engineering, Anna University
- Analytics of IoT by Mr.Vijai Simha, Director, Simbiot Solutions Pvt. Ltd., Bengaluru.

Mr.K. Padmanaban, Vice- President, TCS and member of the TCS Corporate Technology board inaugurated the conference on 18th March 2016. Dr. Venkateswarlu, General Manager (R&D), Amararaja Batteries Limited was the Guest of Honour. Dr. C. R. Muthukrishnan, Advisor, Rajalakshmi Institutions & former President of CSI & Dy. Director, IIT Madras, presided over the function. 106 papers in various topics on recent trends related to Cloud and

Big Data Analytics, IoT, Embedded & VLSI systems, Wireless Communication & Networks, Image and Signal Processing, RF & MEMS, Mobile Computing were presented in the conf.

Rathinam Technical Campus, Coimbatore

2nd IEEE International Conference on Engineering and Technology



The IEEE SB along with the departments of CSE & IT organized the 2nd IEEE International Conference on Engineering and Technology - ICETECH-2016” on 17th & 18th Mar 2016 with the technical sponsorship of IEEE Computational Intelligence Society of Madras Section. 271 papers were presented during the conference. Dr. Madan. A. Sendhil, Chairman, Rathinam Group of Institutions presided over the conference, which was inaugurated by Mr. Bala Santhanam, Principal Engineer, Internet of Things Group, Intel, as the chief guest. Dr. M.A. Atmanand, Chairman, IEEE Madras Section; Dr .S. Sundaresh, DRDO Distinguished Fellow, Research and

Innovation Centre – IIT Madras and Dr. N. Kumarappan, Vice Chairman, IEEE Madras Section participated in the inaugural ceremony. Dr. M.A. Atmanand spoke about the recent advancements in Ocean Technologies, Dr .S .Sundaresh, highlighted various ways and means in which DRDO supports and patronages research and development, while Dr. N. Kumarappan spoke about the various trends and current improvements in IEEE.

Report by: Prof. S. Shanthi, shanthi.rtc@rathinamtechzone.com

SASTRA University, Thanjavur

Student Professional Awareness Conference-2016



The IEEE SB organized Student Professional Awareness Conference (SPAC) on 19th & 20th Mar 2016 to facilitate students to bridge the gap between their academics and the technical world. This SPAC-2016 was sponsored by IEEE India Strategic Initiative and IEEE Madras Section.

Ten speakers were invited for the conference. Around 100 participants, from institutions around Madras Section, turned up for the conference, which was inaugurated by Dr. B. Viswanathan, Dean (SEEE), SASTRA and other invited speakers.

Mr. Isaac John Wesley, Founder and CEO, Inkmonk, spoke about his transition from a student to an entrepreneur and the tips to follow while starting up a company. Mr. Nivas Ravichandran, Region 10 Young Professionals Coordinator, shared his volunteering experiences with IEEE and about the growth of this Student Branch.

Mr. Prasanth Mohan, Vice Chair, IEEE CS Student and YP Activities, spoke on technical societies in IEEE and the various opportunities available such as the AISC, IEEE Xtreme etc. Then, Dr. John Bosco Balaguru, Associate Dean(Research), SEEE, SASTRA, delivered a session on fundamentals of Research.

A technical brainstorming session on “Smart Cities, Smarter Solutions” was then held, in which the participants were divided into groups and were asked to discuss their ideas and present them, thereby concluding Day One.

Day Two started with an interactive Joint Session by Mr. Gokulnath Sridhar, Founder Tenreads and Ms Swaathi Kakarla, Founder and CEO, Skript, in which they shared their experiences on startups and the hardships they encountered. This was followed by another joint session by Mr. R.Sudharshan and Mr. P.Karthikeyan, who shared their experiences going through research and industrial internships and also briefed on how to approach and apply for internships.

An idea presentation event on the theme, “Humanitarian Technologies”, echoing the IEEE Theme was held and the top three teams were awarded cash prizes. Stalls on IEEE madC and IEEE Programming League, were also put up during the event by the ambassadors.

The last session of SPAC 2016 was jointly handled by Mr. Aravindhana A, Regional Student Ambassador, IEEE CS and Mr. Vijay Srinivas, IEEE Region 10 ECIM, on the major annual events that IEEE conducts and they also shared their experiences on participating in such events. This was followed by an ice-breaking session, which involved a fun event, to stress on the importance of networking in IEEE.

SPAC 2016 concluded with feedback from participants followed by Vote of Thanks. The Participants expressed their satisfaction with the event and explained how they got benefitted, while also pointing out a few areas of improvement.

PCB Workshop



The IEEE SB in association with ASCIEE (Electronics Club at SASTRA University) conducted the PCB workshop on 28th Feb 2016.

The workshop started with an introductory session regarding the purpose and importance of learning PCB designing and the various softwares available for its simulation by Dr.James A Baskaradas, SAP at SASTRA. This was followed by Mr.Raju who taught the participants on how to work in Cadsoft EAGLE PCB design software.

The afternoon session was hands-on session in which participants were provided with components for IR module and motor driver circuit and were made to design a PCB by themselves.

Report by: Supraja R supraja.r.in@ieee.org

Saveetha School of Engineering, Saveetha University, Chennai

Second International Conference on Human Computer Interactions



The Second International Conference on Human Computer Interactions was organized by Dept of CS, IT and ECE on 10th & 11th Mar 2016 to highlight the latest trends of Human Computer Interactions by renowned scientists, academicians, research scholars, industry professionals and the students across the globe.

The conference started with inaugural presided by Dr. N. M. Veeraiyan, Founder and Chancellor of Saveetha University. Dr. Liu Yun-hui, Professor, Mechanical and Automation Engineering, University of Hong Kong, Dr David Jenkins, Professor in Electronics and Mathematics, Plymouth University, UK, Mrs. Ramya Deepak, Director SSE, Dr. P. Shankar, Principal SSE, Dr. D. Dhanasekaran Convener and Dr. P. C. Kishore Raja Co-convenor participated in the inaugural session. Dr. N.M. Veeraiyan and Prof. Liu Yun-hui released the conference proceedings ICHCI -2016, followed by series of invited talks by eminent professionals. A Memorandum of Understanding was signed with Intel Labs for setting up centre of excellence labs on IOT and embedded systems at SSE.

The first key note address on “Surgical Robots” was delivered by Dr. Liu Yun-hui, Professor, University of Hong Kong. In the first technical session on “Human Computer Interaction” talks were delivered by Dr. Swaminathan, Associate professor, Academician, Anna University, Mr. Sivarajan Nepolean, Industrialist Director- Engineering, Channellive, and Mr. Venkateshwaran, Researcher in Multicoreware. The second key note address on “Human – Robot Interaction” was delivered by Professor David Jenkins, Plymouth University UK. In the second technical session on “Augmented Reality” talks were delivered Dr. Bhaskaran, Anna University, Mr. Sukumar Subramanian, MD, Accel Animation and Mr. Mukesh, Vice-President, E-Noah Solutions.

The second day started with a keynote address on “Artificial Intelligence” by Dr. Nor Ashidi Mat Isa, Professor, University of Sains, Malasiya, followed by third technical session on “Internet of Things (IoT)” by the distinguished speakers Dr. Bagayaveni, Professor, College of Engineering, Anna University, Mr. T. Rangarajan, TCS, and Prof. Prithviraj, REC.

A keynote address on “Embedded Systems” was delivered by Dr. Suresh Sundaram, NTU, Singapore, followed by fourth technical session on “Sensors” by Mrs. L.K. Hema, AVIT, Mr. Kalaiselvan, Deputy GM, Tata Communications, and Dr. Nirmala Grace, VIT, Vellore.

The conf. received 1099 research papers from across the globe including from Massachusetts Institute of Technology (MIT), Boston, University of Teknologi MALAYSIA, BITS Pilani, Dubai, Ulster University, U K, Hohai University, China. The review committee scrutinized the papers based on technical depth and originality and selected 135 papers and they were presented in parallel sessions during the conference.

The conf. concluded with a valedictory session presided by Mr. S. Bhanu Kumar, Director WinVinaya Info Systems in which Dr. Suresh Sundaram, NTU, Singapore, Mrs. Ramya Deepak, Director SSE, Dr. P. Shankar, Principal SSE, Dr. D. Dhanasekaran Convener and Dr. P. C. Kishore Raja Co-convenor participated. Report on ICHCI-2016 was presented by Mrs. Anusuya, Associate Professor, SSE. Best papers and best poster presentations were awarded. Technical support for this conference was provided by IEEE CIS, IEEE YP Madras Section.

Dr. Sivanthi Aditanar College of Engineering, Tiruchendur

Group Discussion



The IEEE SB organized a group discussion event on 10th Feb 2016 for the second year ECE students.

Mr. A. Jeyapaul Murugan, AP/ECE & Mrs. S. Beula, AP/ECE judged the performance of the participants. Various rounds were conducted and finally three students were judged as winners.

N. Nagarani, II ECE A won the first prize, Blessing Stanley & V. Vino Shilfa, II ECE B won second & Third prize respectively.

Non Quantitative Aptitude Contest

The IEEE SB conducted a Non Quantitative Aptitude contest for the second year ECE students on 11th Feb 2016. Over seventy students took part in the contest and actively answered the non-quantitative aptitude questionnaire. The answers were evaluated and the top three students were announced as prize winners. First prize --Rohini,ECE B, Second prize -- V. Vino Shilfa, ECE B & Third prize -- K. Kani Selvi , ECE A.

Technical Aptitude Contest

On behalf of IEEE SB, a technical Aptitude contest was conducted for the third year ECE students on 12th Feb 2016. Around fifty students took part in the contest and actively answered the technical aptitude questionnaire.

The answers were evaluated and the top three students were announced as prize winners.

The winners are R. Sakthi Brundha , J. Roselin Ramya, N..Sabrin Ramziya of III ECE B won the I, II & III prize respectively.

Logo Puzzles Contest



The IEEE SB organized a logo puzzles contest on 12th Feb 2016 for the final year ECE students. Mr. S. Senthil Sivamanikandan, AP/ECE judged the technical knowledge and skills of the participants. The top three batch of students were selected and adjudged as winners.

The first prize was bagged by R. Rathinasamy & E. Essakiraj of IV ECE B, second prize by P. Priya Raji of IV ECE B & G. Parvathi of IV ECE A, and the third prize by S. Preethi Mercy of IV ECE B & J. Jaya Sajina of IV ECE A.

Techno Talk Contest



On behalf of IEEE SB, a techno talk contest was conducted for the third year ECE students on 26th Feb 2016. Each contestant was provided with five minutes to present about the technical topic which was chosen by the contestant on the spot. Mrs. G. Ewance Lydia, AP/ECE judged the quality and presentation skills of the contestants.

More than twenty contestants had actively participated and among them three contestants were adjudged as prize winners. S. Raja Lakshmi, III ECE B won the first prize, M. Jeslin Mary & S. Maharaja, III ECE A won second & third prizes respectively.

Paper Presentation Contest



The IEEE SB organized a paper presentation contest on 8th Mar 2016 for the second year and third year ECE students. More than fifteen batches of students presented their papers and each batch is provided with ten minutes for presentation and three minutes for queries. Dr. A.Beno, Asso.Prof /ECE & Mr.S.P.Valanarasu, Asso.Prof /ECE judged the technical knowledge and quality of presentation of the participants. The top three batches of students were selected and adjudged as winners. The winners are: C.Vignesh & M. Manikandan on Patient monitoring system using GSM technology; R. Sakthi Brundha on Solar roadways; and S. Raja Lakshmi on Brain computer interfaced army rescue using synthetic telepathy through neural electronics.

Report by: Dr.R.Manjith, manjithkmr@gmail.com & Mr.V.D.M.Jabez Daniel, jabezdaniel@gmail.com

Sri Krishna College of Engineering and Technology, Coimbatore

National Level Technical Symposium- KRISNECS 2K16



The IEEE SB organized one-day national level technical symposium, KRISNECS-2K16 on 24th Feb 2016. The symposium was inaugurated by Prof. K. Ramprakash, Professor, Kumaraguru College of Technology. Dr. S. Annadurai, Principal presided over the function.

The symposium proceeding on CD was released by the Chief Guest. The symposium was attended by about 425 participants from various colleges in Tamil Nadu.

IEEE Women's Empowerment Programme



The IEEE SB organized IEEE Women's Empowerment Programme on 29th Mar 2016 commemorating "The International Women's day".

Dr. P. Thamarai Selvi, SoM Dept delivered a talk on "Women Empowerment".

Events such as Speech Competition, Poster Making and Essay Writing on the topic of "Role of women in modern society" were also held. 115 girl students participated.

Report by: Nandalal V nandalal@skcet.ac.in

Success is the sum of small efforts, repeated day-in and day-out. -- Robert Collier

Courage is resistance to fear, mastery of fear--not absence of fear. -- Mark Twain

It's not what you look at that matters, it's what you see. -- Anonymous

SRM University, Ramapuram Campus, Chennai

Workshop on Neural Network, Fuzzy Logic and its Applications to the Engineering Problems



The IEEE Computational Intelligence Society and IEEE SB conducted a one-day workshop on “Neural Network, Fuzzy Logic and its Applications to the Engineering Problems” on 26th Mar 2016. The event started off with Dr. Kumarappan, Chair, IEEE CIS, Madras Chapter speaking about IEEE, the computational Intelligence Society and its motto in the engineering world. He also enlightened the students about the benefits of being the member of IEEE. In his talk, Dr Kumarappan gave an elaborate understanding of Artificial

Neural Networks, its origin and evolution, the mathematical explanation on it. He emphasized upon Fuzzy Logic and its applications giving a detailed explanation about the same quoting examples. In the afternoon, Mr. R. Arulraj organized a hands-on session how to use neural network toolbox and fuzzy logic toolbox in MATLAB for simulation. The workshop concluded with the distribution of participation certificate to the participants.

Report by: Dr.N.Kumarappan, Kumarappan_n@hotmail.com

SSN College of Engineering, Chennai

Awareness Programme on DRDO and its Products & Job Opportunities



The IEEE and ISTE SBs jointly arranged a program on “Awareness of DRDO and Its Products & Job Opportunities” on 8th Mar 2016.

The program was led by Shri. M. Dhanabal, Scientist E, CVRD, DRDO, Avadi, Chennai.

Around 200 students were benefited. Models of DRDO defence products were displayed in an open vehicle.

Report by Dr. R. Ramaprabha, ramaprabhar@ssn.edu.in

Dream, Dream Dream, Dreams transform into thoughts and thoughts result in action.

Dreams are not those which comes while we are sleeping, but dreams are those when u don't sleep before fulfilling them.

Difficulties in your life do not come to destroy you, but to help you realize your hidden potential and power, let difficulties know that you too are difficult.

-- Dr. APJ Abdul Kalam, Former President of India

St Joseph's College of Engineering, Chennai

Feminist



The event "FEMINIST" comprised of two rounds -- Written Test and Technical Vocabs. 11 student teams participated and three prizes were given to first three teams.

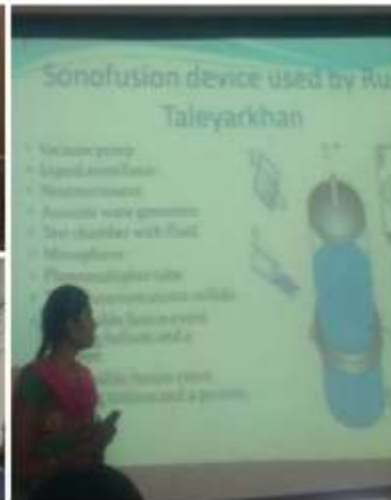
Lecture on "Concepts of Embedded Systems"



The IEEE SB organized a lecture on "Concepts of Embedded System" on 13th February 2016 by Mr. G.S. Ayyapan, Senior Scientist, CSIO-CSIR. 150 students benefitted from the lecture.

Report by: Irene Eliza Thomas ireneelizathomas@gmail.com

Thiagarajar College of Engineering, Madurai



Technical Connexion

The IEEE SB conducted Technical Connexion Contest on 17th Mar 2016 in which 16 students participated.

Paper Presentation

The IEEE SB conducted a paper presentation contest on 22nd Mar 2016 in which 18 students participated.

Tech talk Series

The IEEE SB conducted tech talk series event on 17th Feb 2016 in which 18 students took part.

Report by: Saroja Meenakshi.S

Congratulations to the winners of the MAS LINK READERS QUIZ-1603.

Mr. V. Sudarsan, Student Member, SASTRA University

Dr. R. Ramaprabha, Professional Member, SSN College of Engineering

Both will get Amazon Gift Coupon of value Rs. 500/= from IEEE PCS Madras Chapter

RMK College of Engineering and Technology, Chennai

Inauguration of IEEE Student Branch



The IEEE Student Branch of RMK College of Engineering and Technology was formally inaugurated on 22nd Mar 2016 by Mr. H.R. Mohan, Vice Chairman, IEEE Madras Section (Region -10).

In his inaugural address, Mr. Mohan had briefed the importance of IEEE membership, benefits and opportunities for employment through IEEE. He highlighted the value of membership in

technical society chapters and affinity groups. He also elaborated on the support a SB can get from the IEEE Madras Section such as funding for events, student projects, travel grant, awards & recognitions and technical support for organising workshops & conferences etc., to name a few.

Dr. E. B. Perumal Pillai, Principal, delivered the presidential address; he welcomed all the participants and appreciated the Electronics and Communication Department for Bringing the IEEE to the college and wished the IEEE Members for all success. Dr. N. Gangatharan., Professor and Head, ECE, felicitated the gathering. He welcomed all the students and faculties and emphasized the importance of IEEE Branch, which would bring out a wealth of ideas from a broad spectrum of research activities. Dr. S. Bhagavathi perumal, Vice-Principal, felicitated the gathering.

Mr. Ramachandran, the SB counselor introduced the executive members of IEEE SB for the year 2016. The event was attended by over 100 mainly comprising of under-graduate, Professors Faculties, and IEEE members.

Report by: R .Ramachandran, ramachandranee@rmkcet.ac.in

Kings College of Engineering, Punalkulam



Hands-on Training on Calibration: The IEEE SB along with the dept. of EEE, R&D section organized a one-day “Hands-on Training on Calibration” on 29th Mar 2016. Around 50 students of EEE dept. attended this training program. Mr. E. Venugopal, AP-EEE and SB Counselor welcomed the gathering. The program was conducted by Mr..J. .Prasad, Sakthi, Power Solution, Coimbatore explained the need and methods of calibration. The students are actively participated in the training and learnt how to calibrate the meters.



Project Competition: The IEEE SB along with the dept. of EEE, R&D section organized a “Project Competition” on 2nd Apr 2016. 58 students (in 16 batches) of final year EEE participated in the competition. Dr. J..Arputha Vijaya Selvi, Dean R&D and Dr. S. Sivakumar HOD/EEE evaluated the projects. The project titled “Design of Robotic Vehicle for Under Water nvironment” demonstrated by R. Karthigapriya MIEEE, J. Reshma MIEEE and P. Visaali MIEEE and guided by Mr. E. Venugopal, AP/EEE & IEEE SB Counsellor, was selected as the best project.

Madras Section

Talk on Life as a Software Engineer



IEEE Madras Section along with IEEE Computer Society Madras Chapter, IEEE Professional Communication Society, IEEE Young Professionals, IEEE Women in Engineering and Computer Society of India Chennai Chapter organized two talks -- “Life as Software Engineer” and “Final Year CS Projects: How to select a meaningful final year project” by Dr Jeyakesavan Veerasamy, Director of Center for Computer Science Education & Outreach, University of

Texas, Dallas, USA on 14th Mar 2016. Mr. H.R. Mohan, Chair, IEEE Computer Society welcomed the gathering and spoke on the relevance of the topic to the present generation. Mr. P. Subramanian, Execom Member and Co-chair, Technical Activities introduced the speaker.

Dr Jey Veerasamy in his first talk on “Life as Software Engineer” spoke on the differences in the software projects before and now. He also highlighted on the need for continuous learning, soft skills, time management skills current skill set and the latest buzz in the software industry including distributed computing, Big Data, Machine Learning and Open Source Software. The speech was interlude with interesting analogies.

In the second part of his talk Dr Jey Veerasamy spoke on the final year projects for Computer Science students. He elaborated on the projects carried out by students of UT, Dallas and also on the final year projects in the Indian context. Both the talks evoked good response from the participants and included discussions. Prof. C.R. Muthukrishnan, Former President, CSI and Former Dy. Director, IIT Madras presented a memento to the speaker. The session was attended by around 50 participants consisting of students, faculty and working professionals.

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

Talk on Digital India, Make in India and Skill India



The IEEE Madras Section is association with IEEE Computer Society and IEEE Information Theory Society organised a technical talk on “Digital India, Make in India, Skill India & Startup India” by Mr. H.R. Mohan, Vice Chairman, IEEE Madras Section and Former Associate Vice President (Systems), The Hindu. This event was organised at Francis Xavier Engineering College, Tirunelveli as a part of the Section’s initiative to spread the activities across

the Section. Dr. B. Paramasivan, chair of Technical Activities coordinated this event. Dr. D. C. Joy Winnie Wise, Professor & Head/CSE, Francis Xavier Engineering College welcomed the gathering and Mr. G. Aravind Swaminathan, Associate Professor and Associate Head/CSE, Francis Xavier Engineering College introduced the speaker. Mr. Mohan explained in details the initiatives of the Govt. of India in three major project areas. While the Digital India project aims to empower all the citizens with improving on digital infrastructure and providing citizen services on demand, the project Make In India aims to be self-reliant in terms of our needs and enhance our image in the international market and bring in investments from abroad. The Skill India project has an ambitious target of training 80 crore people in five years’ time. He screened few videos relating these projects and highlighted the support from the corporate sector for all these projects. In addition to his talk, Mr Mohan spoke on the membership in the IEEE technical societies and how it would make a change in the career of the young engineers in the competitive world.

Entrepreneurship & Innovation Committee Activities

Graphic Design Workshop



A two-day Graphic Design Workshop was organized on 12-13 Mar 2016 by IEEE Madras Section Entrepreneurship & Innovation Committee in association with IEEE Madras Section Young Professionals co-sponsored by IEEE Computer Society Chennai Chapter & IEEE Professional Communication Society Chennai Chapter. It was hosted at Chargebee Office, SP Infocity, Chennai.

The workshop trainers Mr. Adithya Dhotre & Mr. Yesvanth from Madrasters were present at the venue for both the days and trained the participants. A total of 25 participants including students, working professionals and seniors members enthusiastically attended and got benefited from this workshop.

The program kick started with welcoming the participants and speakers by Mr. Nivas Ravichandran. The first day of the workshop comprised of the ice breaking session, introduction to the basics of design followed by explanation and hands-on experience with the design tools. Participants learned to design and edit basic pictures using Adobe Photoshop.

The second day included more design activity for the participants. They were taught the mind mapping procedure for design. At the end of the workshop, a mini-design contest was held in which the participants were asked to design a cover page for 'Madras'. Two of the participants Ms. Aishwarya & Mr. Kiran were announced as winners for their designs and awarded with Amazon gift vouchers.

Mr. H. R. Mohan, Vice-Chair, IEEE Madras Section visited the workshop during second day and motivated the participants and organizers. Feedback was collected from the participants at the end through online form and all the attendees found the workshop extremely useful. The workshop ended with thank you note to the participants, volunteers and speakers for their amazing contribution to the success of the event.

Report by: Aravindhyan Anbazhagan, aravindhyan@computer.org

Women in Engineering (WIE) AG Activities



STAR Programme: Student – Teacher and Research (STAR) programme is a key project of WIE. This is an educational outreach program that promotes the involvement of IEEE members with local high school and pre-university institutes, to create a positive image of engineering careers. Such a STAR event, TechFest – 2016, was organized by Department of EEE and EnE, Saveetha School of Engineering, Saveetha University, in association with Madras IEEE WIE, for the benefit of Diploma College students, on 27th Feb 2016.

Hands-on training sessions on Matlab and Labview were organized, followed by a Technical Quiz using 'Peardeck' and 'Presov'. The participants demonstrated their projects, which were evaluated by eminent academicians. Paper presentation session witnessed the enthusiastic participation, which is rare among diploma students. Prizes were distributed for the winners of Technical Quiz, Project Demo and Paper Presentation. All the participants received certificate of participation.

Women's Day and Volunteers' Orientation Programme



To celebrate the International Women's day and to provide orientation to the WIE volunteers of various student branch affinity groups, a program was organized by Madras IEEE Women in Engineering, at St. Joseph's College of Engineering, Chennai, on 12th Mar 2016.

The welcome address was delivered by Vydeki Vijayakumar, Chair, Madras IEEE WIE. It was followed by Ice-breaking session, handled by Ranjani, Madras IEEE WIE Student Coordinator and Prasanth, Secretary, Madras IEEE WIE. Presentation on WIE Goals and benefits was given by the Chair. In her presentation she listed out the various activities organized by Madras IEEE WIE and the funding opportunities for student branch affinity groups. She also briefed about the recognitions for volunteers in the Section, Region and International levels. The Chief Guest for the day, Ms. Kavitha, STEPS Knowledge Services, Coimbatore, presented a talk on recent technological advancement and the role of women in that. Mr. Prasanth delivered a talk on International Volunteering Opportunities, which created great interest among the volunteers.

A speech on "Sustainability in Career" was given by Ramalatha Marimuthu, Vice-Chair, Madras IEEE WIE. Finally, fun games were conducted and prizes were distributed.

Report by: Dr. Vydeki Vijayakumar, dvydeki@yahoo.co.in

SIGHT Activities

First Aid Project



The inaugural function of the First Aid Project to the Artisanal Deep Sea Fishers was organized by IEEE ADSF SIGHT on 30th Mar 2016 at Jeppiar Fishing Harbour, Muttom, Kanyakumari District. Miss. Pavun, Miss. Abihinayaa, Miss. Nageswari, Miss. Abisheka (Cape Institute of Technology) Mr. Joel Joy Fernandez, Mr. Prakash, Mr. Nirmal Bose and Miss. Archana (Trinity College of Engineering) are the members of project team.

Mr. H. R. Mohan, Vice Chair IEEE Madras Section participated in the function and distributed the first aid boxes to the fishermen. He spoke about the importance of first aid when people are far away from the shore without any medical support and appreciated the project team for bringing out first aid boxes made out marine plywood to sustain the humid and climatic variances. There were over 50 delegates including beneficiaries attended the function.

Report by Miss. Pavun

Extracts from the Talk on “ICT in Education” by Dr. M. Ponnaivaikko

Nine dimensions of Classroom Climate

- Clarity – the transparency and explicit relevance of what goes on in class
- Environment – the comfort and attractiveness of the physical environment
- Fairness – justice and equality within the classroom
- Interest – stimulation and fascination in class
- Order – discipline and structure in the classroom
- Participation – pupil involvement and influence in the running of the class
- Safety – absence of threat or fear
- Standards – expectations of achievement and encouragement to improve
- Support – encouragement to try new things and learn from mistakes

Characteristics of a good Instructor/Facilitator

- Knowledge of the subject matter
- Ability to communicate effectively
- Facilitator of learner participation
- Ability to serve as a model
- Ability to provide effective feedback
- Ability to perform effective evaluation
- Ability to administer & manage the course

Methods of Presentation

- Present Material in small, learnable steps
- Require maximum student participation
- Present material in logical sequence
- Design “work” to insure successful response
- Correct student errors ‘on-the-spot’
- Maintain control of student learning

Teachers integrate ICT to engage students in new dimensions in:

- Exploring and experimenting
- Thinking and working creatively
- Reflecting and planning
- Using feedback and self-assessment
- Communicating with others
- Working interactively with local and global
- Learning communities.

More in the next issue

Information Resources

Compiled by

H.R. Mohan

Chairman, Vice Chairman, IEEE Madras Section

Chief Editor, IEEE MAS LINK

ICT Consultant

Former AVP (Systems), The Hindu, Chennai

hrmohan.ieee@gmail.com

Trestor and IIT Bombay students have the perfect solution to Mumbai's difficult water situation: The idea: for every recyclable waste item one puts inside the machine, they will be rewarded with a digital value token called 'trest', which can be exchanged for 300 ml of clean drinking water. At a time when the city of Mumbai is heading towards a drought like situation, this comes as a boon. <http://www.businessinsider.in/Trestor-and-IIT-Bombay-students-have-the-perfect-solution-to-Mumbais-difficult-water-situation/articleshow/51777822.cms>

Tech Disruptors For 2022 (Extract from the IEEE CS 2022 Report)

1. **Security.** Amid the exponential growth of large data repositories will be increasing concerns about balancing convenience and privacy.
2. **Open Intellectual Property movement.** This will influence a variety of areas, including academic publishing, educational models, software, standards, and programming languages
3. **Sustainability.** With the world's population increasing along with its need for more energy, new battery technology and new ways of cooling data centers are some areas where advances are expected.
4. **Massive Open Online Courses.** MOOCs have the possibility of changing the roles of faculty, students, and teaching assistants as more institutions embrace the new learning platforms.
5. **Quantum Computing.** The potential is staggering, since it's constrained only by the laws of physics.
6. **Device and Nanotechnology.** Microelectromechanical devices, nanoparticles, and their uses are growing. Nanotechnology will enable lives to be saved by digestible cameras that can monitor a person's medical condition and machines made from particles 50,000 times as small as a human hair.
7. **3-D Integrated Circuits.** 3-D printing is already creating a revolution in fabrication, with many opportunities to produce designs that would have been prohibitively expensive in the past. Printed 3-D ICs are already underway in the mobile industry and will eventually spread to other IT products.
8. **Universal Memory.** Replacements for dynamic RAM will cause a tectonic shift in architectures and software.
9. **Multicore.** In the world that is envisioned, multicore will allow people to recharge their smartphones only once a month. It will show up in wearable systems, and will be found in cameras, cars, and cloud servers.
10. **Photonics.** Silicon photonics will address bandwidth, latency, and energy challenges, and developments at all levels of the network stack will continue to drive research and the Internet economy.

56 Google Search Tricks: Google has been around for a while now, and if you're just starting college, you've probably used the search engine for most of your academic life. But there's more to the powerful search tool than just typing in keywords. Here are 56 Google search tricks for all types of students, whether you're in high school, pursuing an online degree, or are just trying to brush up on your own research skills. <http://goo.gl/5KI7Va>

Standards and the Smart City: In this Sustainable Cities Collective article, Bill Ash and Srikanth Chandrasekaran, IEEE Standards Association, discuss the characteristics of sustainable smart cities and how related standards are being created and refined through globally open collaboration across traditional geographic, industrial and technological boundaries. <http://goo.gl/v6Xe7K>

101 most useful websites you don't know about: The list primarily highlights the lesser-known or undiscovered websites and misses out all-time favourites like Google Docs, Wikipedia or IMDB that most of us are already aware of. Useful Websites Worth a Bookmark! The sites mentioned in this post, well most of them, solve at least one problem really well and they all have simple web addresses (URLs) that you can easily learn by heart thus saving you a trip to Google. <http://goo.gl/E3t7Vt>

15 biggest internet controversies of the past decade: The Internet has been a breeding ground for controversy from the start. Part of this is a result of the fact that the Internet is the great neutralizer; it empowers everyone to

have a voice. As the first decade of the new millennium ends, let's examine some of the most infamous and scandalous events that started, happened, and/or escalated on the web. <http://goo.gl/Q86lmX>

51 free tools to invisible on internet: If you value your rapidly disappearing privacy while surfing the Internet you need to know about these tools. Whether you want to protect yourself from snoopers, want to spy on those out to get you, or want to be able to track trends that you know will lead to something big, then these tools will help you get the job done. The best part about them is they are FREE. Without a Trace. If you want to use the Internet without anyone knowing who you are or leave an untraceable phone number or email address, then these tools are for you. <http://goo.gl/nPzdhh>

Video: Guy Kawasaki: The Top 10 Mistakes of Entrepreneurs: The UC Berkeley Startup Competition (Bplan) proudly welcomed Guy Kawasaki to the Haas School of Business. Kawasaki, former chief evangelist of Apple and co-founder of Garage Technology Ventures, explained the top ten mistakes that entrepreneurs make. His talk covered all stages of a startup from inception to exit. Watch this 1h 24m video at <https://www.youtube.com/watch?v=HHjgK6p4nrw>

Say These 15 Things To Succeed In Business: Are you an ambitious business professional looking to get ahead in the industry? Dazzle all the execs at your next business meeting. Saying these 15 things around the office (and the client) will boost your performance rating and get you the bonus of your dream. <https://medium.com/@producthunt/say-these-15-things-to-succeed-in-business-bac8b699717>

Eternal 5D data storage could record the history of humankind: Scientists at the University of Southampton have made a major step forward in the development of digital data storage that is capable of surviving for billions of years. Using nanostructured glass, scientists from the University's Optoelectronics Research Centre (ORC) have developed the recording and retrieval processes of five dimensional (5D) digital data by femtosecond laser writing. The storage allows unprecedented properties including 360 TB/disc data capacity, thermal stability up to 1,000°C and virtually unlimited lifetime at room temperature (13.8 billion years at 190°C) opening a new era of eternal data archiving. <http://goo.gl/kH4OB7>

Google plans to beam 5G internet from solar drones. Project Skybender is experimenting with millimeter-wave radio transmissions to deliver data from drones. Millimeter waves are believed to be capable of transmitting data 40 times faster than LTE and could become the technology behind 5G internet. DARPA began working on an internet connection based on it for remote military bases in 2012. <http://goo.gl/EBQosP>

Website Security for Dummies: If you'd like to better understand website security, or know somebody else who should, Website Security for Dummies is the book you've been waiting for. Symantec demystifies the science behind SSL authentication, encryption, and more in the world-famous For Dummies style. It's the how-to guide to keeping a company safe from online threats. <http://goo.gl/5qT2TB>

Protecting Your Organization from a Data Disaster: Unexpected data loss can occur at any time. Whether due to natural disasters such as floods, hurricanes and tornadoes or to more common events such as water main breaks, building fires and hardware failures, the consequences of data loss can be extensive and far-reaching. As an IT professional, it's up to you to educate your users and ensure a proper backup and disaster recovery plan is in place. <http://goo.gl/ivggMu>

Apple Watch: The smart person's guide: This resource guide covers everything you need to know about the Apple Watch, including why it matters, and what impact it may have on enterprises. The Apple Watch is more than a timepiece. The digital wearable, which provides precision timekeeping within 50 milliseconds of the definitive global standard, mates with an iPhone 5 or later model to provide an array of additional features and functionality. In addition to fitness, health, messaging, news, and travel information, the Watch possesses wayfinding, audio, payment, weather, and telephone speakerphone capabilities, among other features. Apple's watchOS powers the device. <http://goo.gl/5MaJa3>

Wi-Fi Evaluation Checklist 2016: Whether you are considering a refresh of your enterprise Wi-Fi infrastructure, or purchasing new wireless networking equipment for your campus, this checklist is for you. When evaluating WLAN requirements, you need to balance considerations across reliability, scalable connectivity, simplicity and ease of administration, security, and return on investment. <http://goo.gl/b7imKI>

Announcements

New Opportunities for IEEE Members in India

There are some exciting new opportunities for IEEE members in India. Take advantage of career opportunities and exclusive communities in IEEE Collabratec™ along with an exciting new medical insurance benefit.

Group Medical Insurance: IEEE members residing in India are now eligible to subscribe to IEEE-supported group medical insurance. The new, exclusive insurance program will provide comprehensive medical benefits for eligible members and their families, including members' parents or in-laws. Ongoing IEEE membership will be required in order to renew the insurance every year. Learn more about the IEEE Group Medical Insurance from http://www.ieee.org/membership_services/membership/discounts/group_insurance.html

Career Opportunities in IEEE Collabratec: Leverage the benefits your IEEE Membership offers to advance your career. Upload your resume/CV and complete your employment preferences to be discovered by organizations seeking talent. Employers are looking for qualified candidates to fill their open technology positions. Navigate to the "Opportunities" tab to:

- Upload your resume/CV and activate your employment preferences.
- Search through 1500+ job listings from featured employers.
- Manage your saved jobs for easy access.

Explore your career opportunities in IEEE Collabratec today at <http://ieee-collabratec.ieee.org>

Join exclusive IEEE Collabratec communities: Joining Communities on IEEE Collabratec allows you to stay connected with others who share similar interests. Contribute to group discussions, ask questions of your peers, or share content that others might be searching for. Join these communities.

India Community at <https://ieee-collabratec.ieee.org/app/community/81/activities>

CareersConnect - India at <https://ieee-collabratec.ieee.org/app/community/72>

IEEE Membership Forum at <https://ieee-collabratec.ieee.org/app/community/80/activities>

Careers@Singapore: Electronics – with a focus on IC Design.

Singapore companies focusing on IC Design and Firmware engineering are hiring. Infineon Technologies Asia Pacific, Marvell, Realtek Semiconductor Corp., Micron Semiconductor Asia Pte Ltd, Hi Silicon and Inphi are looking for engineers from IC Design, Analog Design, Digital Design, Firmware, Mixed Signal and Algorithm. Interested professionals can view the details at <https://www.contactsingapore.sg/ecareers/elect/mar2016/edm> .

2016 IEEE Region-10 AWARDS & RECOGNITIONS Call for Nominations

IEEE Region 10 has a strong program to recognize and reward excellence in all facets of the professional lives of its members and its organizational units. Given here is a list of IEEE Region 10 Awards for 2016 for activity during 01 January to 31 December 2015. All 2016 IEEE R10 awards will be presented during August 2016 at a special ceremony.

Award -- Number -- Award Instrument

R10 Chapter Awards

R10 Outstanding Large Section Award -- One/year -- Plaque & US\$ 1000
R10 Outstanding Medium Section Award -- One/year -- Plaque & US\$ 1000
R10 Outstanding Small Section Award -- One/year -- Plaque & US\$ 1000
R10 Outstanding Volunteer Award -- up to three/year -- Certificate
R10 Outstanding Industry- Academia Collaboration -- One/year -- Plaques

R10 Women In Engineering Awards

R10 WIE Section Affinity Group Award -- One/year -- Plaques
R10 WIE Student Branch AG Award -- One/year -- Plaques
R10 WIE Outstanding Professional Volunteer -- One/year -- Certificate
R10 WIE Outstanding Student Volunteer -- One/year -- Certificate

R10 Young Professionals Awards

R10 YP Affinity Group Award -- One/year -- Plaque
R10 YP Outstanding Volunteer -- One/year -- Certificate

R10 Humanitarian Technology Awards

R10 HTA Outstanding Volunteer -- One/year -- Certificate
R10 HTA Section Award -- One/year -- Plaque

R10 Student Activities Awards

R10 SA Student Branch Award -- One/year --Plaque
R10 SA Outstanding Student Volunteer -- One/year -- Certificate
R10 SA Outstanding Volunteer -- One/year -- Certificate

R10 Life Members Awards

R10 LM Affinity Group Award -- One/year -- Plaque
R10 LM Outstanding Volunteer -- One/year -- Certificate

R10 Educational Activities Awards

R10 EA Section/ AG Award -- One/year -- Plaque
R10 EA Outstanding Volunteer -- One/year -- Certificate

R10 Industry Relations Awards

R10 Outstanding Section for Industry Relations -- One/year -- Plaque
R10 Industry Relations Outstanding Volunteer -- One/year -- Certificate

Deadline for receipt of completed Nominations is **30 May 2016**.

Formal announcement at

<http://www.ieeer10.org/2016/03/23/2016-ieee-region-10-awards-recognitions-call-for-nominations/>.

SAC Awards 2016

The IEEE Region 10 SAC Awards a member, including Student Branch Counselor & Section SAC Chair, who has been organizing activities and providing impetus to growth of student involvement for IEEE activities and events. These awards will help improve student member retention, recruiting new members and reporting from Student Branches & Sections. More at <http://www.ieeer10.org/activities/awards/sac-awards.html>

WIE Awards 2016 at <http://www.ieeer10.org/activities/awards/wie-awards.html>

HTA Awards 2016

IEEE R10 has established an Outstanding Individual Award for humanitarian technology activities to inspire IEEE volunteers to become socially responsible and engaged in developing cost effective and sustainable technological solutions to improve living conditions and livelihood of people. The award will be presented annually to an IEEE volunteer who has done outstanding humanitarian work. The purpose of the award is to recognize professional

members and Section of IEEE who have made an outstanding contribution to the society through their dedicated work in supporting the livelihood of the people through humanitarian technologies. More at <http://www.ieeer10.org/activities/awards/hta-awards.html>

EA Awards 2016

The IEEE R10 Educational Activities (EA) takes initiatives to recognize IEEE members for the efforts and dedicated contribution in educational activities for the following areas.

- Foster the improvement of education through the process of accreditation engineering, engineering technology, computer science, and applied science programs
- Dedicated contribution to the design, delivery, and support of continuing education courses and programs in the fields of interest to IEEE
- Volunteer time and effort for the informal education community
- Outstanding educational innovation in the field of interest of IEEE and whose innovation has made a major impact and been emulated outside the individual's immediate environment
- Work in a pre-university school and those who influence school-based activities for pre-university students.

More details at <http://www.ieeer10.org/activities/awards/ea-awards.html>

IR Awards

Volunteer – To recognize the excellent work and significant contribution/achievement by an IEEE volunteer at the level of a Section in Region 10, or at Region 10 level, in the previous year to promote industry relations. This award is given to recognize the leadership, drive and Initiative of an Individual towards one or many “Innovative and High Impact Industry focus projects” during the last 3 years. Evaluation would be based on a write-up using the provided template and references.

Section – To recognize the excellent work done by a Section in Region 10 in the previous year to promote industry relations and substantial industry participation in IEEE activities

More details and nomination forms can be accessed here – <http://www.ieeer10.org/activities/industry-relation.html>

Call for Nominations for the 2016 IEEE TCSVC Outstanding Leadership Award

This IEEE Technical Committee on Services Computing (TCSVC) award recognizes leadership contributions with impact beyond the services computing research community to Computer Science, Engineering and Education. Award ceremony will be held at the annual IEEE World Congress on Services (<http://tab.computer.org/tcsvc/conf.htm>).

For more info on criteria and application process pl. visit <http://tab.computer.org/tcsvc/awards.htm>

Forthcoming Events

TENCON-2016: TENCON is a premier international technical conference of IEEE Region 10, which comprises 57 Sections, 6 Councils, 21 Subsections, 514 Chapters and 1159 Student Branches in the Asia Pacific region. The theme for TENCON 2016 is Technologies for Smart Nation and it will be held in Singapore from 22 - 25 November 2016. Last date for paper submission: 30 May 2016. Website: <http://www.tencon2016.org>

SysCon: 10th Annual IEEE International Systems Conference in Orlando, FL, USA. IEEE SysCon 2016 will be a four day event, with tutorials on Monday, 18 April, and the conference's multiple tracks of technical sessions 19-21 April. Detailed registration rates and information can be found on the SysCon website at <http://2016.ieeesyscon.org>

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 September 2016 and will foster plenary discussions and collaboration between all entities involved in planning and implementing successful smart cities. The Call for Papers deadline is 11 April 2016. Visit our website at <http://events.unitn.it/en/isc2-2016> for details.

TTM 2016: IEEE Technology Time Machine during 20-21 October 2016 in San Diego, CA, USA, will bring together renowned experts from research and industry to provide an overview of emerging technologies and explore how they may be leveraged towards "making the future" through their research, products and services. This event is geared towards industry leaders, government officials, scientific innovators, economists, and social policy makers. Learn more and register today at the TTM 2016 website at <http://sites.ieee.org/ttm/>

ICIETET-2016: International Conference on Innovative & Emerging Trends in Engineering and Technology on 7th May 2016 at Panimalar Institute of Technology, Chennai. Website: <http://www.icietet.tk/>

Congratulations to the recipients of Richard E. Merwin Student Scholarship

IEEE MAS LINK Congratulates the following recipients of RE Merwin Scholarships from IEEE Computer Society in the October 2015 Cycle. Each winner will be getting a cash award of USD 1000\$ & 2 years free membership

Sri Muthukumar Institute of Technology, Chennai

- Chelliah Ramachandran
- Sundari Radhakrishnan

Jeppiaar Engineering College, Chennai

- Solomon Sagar

St. Xavier Catholic College Of Engineering, Nagercoil

- Duraj Raj Jeka Tharishini
- Darwin Darshini
- Priya Krishna

Cape Institute of Technology, Nagercoil

- Aishu Asvini

Jeppiaar Institute of Technology, Chennai

- Deepak Yeleshetty

Useful IEEE Links

Global Benefits Finder: http://www.ieee.org/membership_services/membership/benefits/index.html

2016 IEEE Membership and Society Membership Dues

http://www.ieee.org/membership_services/membership/join/join_dues.html

Referral and Payment Options

http://www.ieee.org/membership_services/membership/join/referral_payment.html

Member Grade Elevation

http://www.ieee.org/membership_services/membership/grade_elevation.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 Student Branch Manual and Counselor Guide (PDF, 285 KB)

http://www.ieee.org/membership_services/membership/students/student_branch_manual_14.pdf

Education & Careers: http://www.ieee.org/education_careers/index.html

IEEE Xplore Digital Library: <http://ieeexplore.ieee.org/Xplore/home.jsp>

IEEE Entity Web Hosting: <http://sites.ieee.org/hosting/>

GoogleApps@IEEE: http://www.ieee.org/membership_services/membership/products/googleapps.html

Student Branch Awards:

http://www.ieee.org/membership_services/membership/students/awards/student_branch_awards.html

Global Student Facebook Page: <https://www.facebook.com/IEEEStudents/>

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 Apr 2016

Affiliate	12
Associate Member	20
Fellow	4
Graduate Student Member	674
Life Member	4
Life Senior	11
Member	1147
Senior Member	135
Student Member	3185
Total	5192

For Private Circulation

IEEE MAS LINK

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