

IEEE KOCHI SUBSECTION: DIARY OF EVENTS 2012

<p>14th February 2012</p>	<p>BBOX Rural Electrification Project Workshop</p> <p>IEEE R10 Special Interest Group on Humanitarian Technology presented 'BBOX Rural Electrification Project Workshop' co-organized by CUSAT, in Association with Kochi Subsection and IEEE SB CEC on 14th February 2012 at Cochin University of Science & Technology. The session was taken by Mr. Sudeep and Mr. Varun of BBOX, UK. BBOX is basically a battery which is used as a Power Source in rural areas. This battery is transported daily by their user to its charging point in day time and used during night time has a backup up to 6 hours. It's has been quite successfully implemented and maintained in Africa. The event covered the following topics: BBOX Technology from basics, and How this technology fits in a country like India. Mr. Amarnath Raja, Chair IEEE Humanitarian Ad-Hoc Committee gave an overview of SIGHT.</p>
<p>01 March 2012</p>	<p>WIE Meet with Prof. Takako Hashimoto at Kochi</p> <p>Prof. Takako Hashimoto, R10 Coordinator, IEEE R10 (Asia Pacific Region) Women In Engineering Chair , IEEE Japan Council Women In Engineering Affinity Group gave an elaborate presentation on R10 WIE , highlighting the membership and various funding available and time line for applying for that. She informed that IEEE Kerala Subsection has received majority of the funding from R10 and encouraged to continue this and come with more innovative projects. There was a good student interaction with Prof. Takako. This was followed by presentations of various SB WIE AG. The student branches WIE AG and a consolidation of overall activities were presented.</p>
<p>01 March 2012</p>	<p>Seminar: Disaster and Social Media - Topic Extraction for the Great Japan East Earthquake using Data Mining Technique</p> <p>Prof. Takako gave an overview of the Social Media Analysis stressing on Semantic extraction from Social Computing. She presented the case study of how the behavior was influenced when people used social media to acquire information after the disaster – the great earthquake occurred in Mar 2011 in Japan. Data mining techniques in analyzing the social media was discussed. She detailed how directed graphs were used to model the topic structures. The experimental result was shared along with a demo of visualization of graph using Gephi tool.</p>
<p>21 March 2012</p>	<p>IEEE Awareness Session at NPOL</p> <p>On 21st march 2012, IEEE Kochi Subsection conducted an awareness session on IEEE and IEEE WiE AG to the women scientists of NPOL (Naval Physical & Oceanographic laboratory- a wing of DRDO), Kochi. The event was organized by Dr. Unnikrishnan, Chair-Kochi Subsection. Ms. Mini Ulanat, Vice Chair- WiE AG Kerala Section, handled the session. Ms. Mini Ulanat gave an overview of IEEE, its organizational structure, activities, Kerala section activities, Awards & recognitions of Kerala Section, WiE AG, and Kochi Subsection. Shahim Baker, Membership Development Chair, Kerala Section, interacted with the scientists and gave an overview of the Societies of IEEE. Ms. Mini Ulanat mentioned that the women scientists of NPOL can become real motivation to</p>

	female engineering, high school, higher secondary students.
29 March 2012	<p>Technical Talk on "BIG DATA"</p> <p>On 29th March 2012, Kochi Subsection organized a technical talk on the topic "BIG DATA", in association with IETE and CSI. The speaker, Mrs. Mini Ulanat, a faculty in the Post Graduate Department of Computer Science, CUSAT and active volunteer of IEEE, explained the various challenges involved in handling the "BIG DATA" and the various techniques and methods being evolved to handle such enormously large data. She gave an overview of various frameworks like Hadoop, Google Mapreduce etc</p>
17 th April 2012	<p>Colloquium on Perspectives of Professional Development</p> <p>This event organized by IEEE Kerala GOLD, in association with IEEE Kochi Subsection brought together eminent speakers from the fields of Industry and Academia to speak on how to plan an eventful Professional career. The event was held at Vidya Academy of Science and Technology, Thrissur on Tuesday 17th April 2012 from 2:00 pm to 4:30 pm. Speakers: Mr.S. Gopakumar, Dr.M.V. Rajesh. Ms. Mini Ulanatt, Mr. Shahim Baker, Mr. Nitin Padmanabhan</p>
21 st April 2012	<p>IEEE Kochi Subsection Inauguration</p> <p>IEEE MGA approved the formation of IEEE Kochi on 25th June 2011 and the official formalities were completed by February 2012. On 2nd March 2012, we received a Congratulatory Letter from IEEE MGA stating that all the formalities related to the formation of IEEE Kochi Subsection has been completed. As per this, the Kochi Subsection will be the second subsection under Kerala Section, covering Ernakulam, Idukki, Kottayam, Alapalay and Thrissur Districts.</p> <p>The Kochi Subsection was officially inaugurated on 21st April 2012, at CUSAT, Cochin. For the inaugural event many IEEE members including Kerala Section executives were present. Dr. Rajesh M.V welcomed the gathering. Dr. Unnikrishnan, organizer and interim Chair of IEEE Kochi Subsection presided over the meeting. Mr. Satish Babu, the Chair of IEEE Kerala Section, officially inaugurated the IEEE Kochi Subsection, by lighting the lamp, along with other dignitaries. Mr. Satish Babu gave his inaugural speech. Prof. Dr. K. Paulose Jacob - Director, School of Computer Science, CUSAT; Mr. P.M. Sasi - Immediate Past Chair, IEEE Kerala Section & Chair, IEEE ComSoc, Kerala Section and Mr. Soman S.P - Chapter Patron & Past Chairperson - CSI Cochin Chapter gave felicitations. Mr. Shahim Baker gave the Vote of Thanks.</p>
May 4 th & 5 th , 2012	<p>Android Bootcamp Training</p> <p>Android Bootcamp Training was a hands on training for designing and building mobile applications using Android open-source platform. Android Bootcamp course explained the philosophy of developing for Android through its main application development building blocks and their interaction with one another. The event took place on May 4th and 5th, 2012 at Hotel Grand Seasons at Ernakulam. Mr. Vijaykumar Nair K, CTO & Principal Enterprise Architect at Assyst, was the trainer for the event. Mr. Nair has over 22 years of experience in the IT industry and has been part of over 40+ projects. He brought his strong experience in Web 2.0 / enterprise 2.0 solutions, Design of Enterprise information architecture, and other user centered design methods for the training session. 29 participants including professionals and students attended the</p>

	workshop.
11 th May 2012	<p>TechTalk: “ Social Media Marketing”</p> <p>On 11th May 2012, the National Technology Day, IEEE Kochi Subsection arranged an evening talk at CSI Hall Kaloor. The Session was handled by Mr. Vijay S Paul, Co-Founder and CEO of Ize Creative. The session dealt with the basics of why businesses need to focus on SocialMedia Marketing in the present day world, and the growth of "Relationship Marketing" over "Broadcast Marketing". It'll also gave an outline as to how each platform is being utilized by brands to interact with their consumers.</p>
19 th May 2012	<p>IEEE Kochi Subsection General Body Meeting</p> <p>The first Annual General Body meeting of Kochi Subsection, after the official inauguration, was conducted on 19th of May 2012, at Hotel Seapark, Kalamasserry, Kochi. The Meeting started with Mr.C.M. Varughese, Senior Member of IEEE and Member of the Interim Execom of Kochi Subsection, read out the Code of Ethics. Dr. Suresh Nair, Vice Chair of the interim execom welcomed the gathering. Dr. Unnikrishnan, the interim chair of Kochi Sunbsection, presided over the meeting. Mr.Shahim Baker, Secretary of the Interim Execom listed out the IEEE activities conducted in and around Cochin, over the last one year. Mrs.MiniUlanat, member of the Interim Execom, listed out the names of the Office Bearers of the existing interim execom. The meeting requested the interim execom to continue as the first official execom of Kochi Subsection.</p>
13th July 2012	<p>Micro workshop: Enterprise Registration Procedures</p> <p>On 13th July 2012, at Grey Technolabs, , the IEEE Kerala GOLD Entrepreneurship WG, in association with IEEE Kochi Subsection organized a microworkshop on Enterprise Registration Procedures. The session was handled by Mr.Babu Ganesh, a tax and corporate consultant. Mr.BabuGanesh explained various formalities included in the formation of an enterprise. He explained about various registration options like Proprietorship, Partnership, Private Ltd, LLP etc. He explained the processes involved in registering for D & O license/ Trade license, sales tax and service tax for various types of organizations. He also explained the basics about ESI and PF briefly.</p>
14th July 2012	<p>Distinguished Lecture Talk on “ Wireless Sensor Networks for Green Buildings”</p> <p>IEEE Comsoc Kerala Chapter, in association with IEEE Kochi Subsection organized a talk on “ Wireless Sensor Networks for Green Buildings”, at Renewal Centre, Azad Road, Kaloor on 14t July 2012. The speaker Prof.Xavier Fernando is a Distinguished lecture of IEEE Communication Society for the year 2012. In his talk, Dr.Xavier shared his experience on working with Wireless sensor networks. He discussed various technologies and techniques including EnOcean, Powerline communication and various upcoming standards. He gave a comparison of various wireless communication technologies like WiFi, Zigbee , Bluetooth, RFID etc. He discussed various green energy concepts that could be used for construction of energy efficient buildings, including room cooling using cold water from rivers etc. He gave overviews about few of his projects including a Wireless Heart beat measurement system that can communicate with treadmills, Net Positive Green Building etc.</p>
18, 19,20 July	International Conference on Data Science & Engineering

2012	<p>The three day International Conference on Data Science & Engineering - ICDSE 2012 organised by Cochin University and technically sponsored by IEEE Kerala Section successfully concluded on 20th July 2012. The inaugural programme was Presided by Chair IEEE Kerala Section -Mr. SatishBabu and Inaugurated by Dr. RamachandranThekkedath, Vice Chancellor, CUSAT. The conference proceedings were released and handed over to Dr. A. Unnikrishnan, Chair , IEEE Kochi Subsection. A pre conference tutorial on "Managing Bigdata with Apache, Hadoop and MapReduce " by Mr. Vijay Nair was well received with 50 participants on 18th . Out of the 179 papers . 42 shortlisted papers were scheduled for presentation for two days in 10 sessions withparallel sessions. 5 Invited talks from Industry and Academics werealso included.The informal Valedictory programme got all positive feedbacks from the participants who came from various parts of India and one from abroad.</p>
7 th Sep 2012	<p>Talk on Recent Trends in computing</p> <p>On 7th Sep 2012 the IEEE Student Branch of St. Gits College of Engg, Pathamuttom, Kottayam organized a seminar on "Recent Trends in Computing". The session was handled by Mrs.MiniUlanat, Lecturer, CUSAT. She discussed various recent advances and trends in Computing Technology.</p>
12 th Sep 2012	<p>Talk on Smart Grid</p> <p>A technical talk on Smart Grid was arranged at KMEA Engg college, by Kochi Subsection, during the event of the IEEE SB inauguration of the college, on 12th September 2012. The technical session was handled by Er. Simon Akkara, Joint Director, Regional IT Unit , KSEB, Cochin. He explained the concepts of Smart Grids and the implementation possibilities and challenges in the Indian Scenario.</p>
20 th Sep 2012	<p>Seminar on Digital Image processing</p> <p>A seminar on Digital Image Processing was organized by IEEE Kochi Subsection, in association with the IEEE Student Branch of College of Engineering Kidangoor. Mr. Mohankumar, Director (R&D), Grey Technolab(India)Pvt.Ltd handled the session. Mr. Mohankumarexplained various techniques and technologies related to Digital Image processing. He illustrated many real world examples of Digital Image processing. He also gave live demo of image processing techniques.</p>
20 th Sep 2012	<p>Talk onRecent Trends in computing</p> <p>On 20th Sep 2012 , IEEE Kochi Subsection, in association with IEEE Student Branch of College of Engg, Poonjar organized a seminar on "Recent Trends in Computing". The session was handled by Mrs.MiniUlanat, Lecturer, CUSAT. She discussed various recent advances and trends in Computing Technology.</p>
2 nd 13 th , 14 th October 2012	<p>Safe and secure usage of Web Resources for Socially and economically disadvantaged girl Students</p> <p>The programme Educational Outreach programme on Safe and secure usage of Web Resources for Socially and economically disadvantaged girl Students was successfully initiated on the IEEE day Oct 2nd, followed on Oct 13th and 14th as proposed at PrathyasaBhavan (Home of Hope), Palluruthy, Kochi, an orphanage for abandoned,</p>

	<p>neglected and abused girls. The programme was organized by IEEE Kochi Subsection, with support from IEEE R10 EAC and IEEE Kerala Section. Sessions on evolutions and the developments in computers and related technology were handled. The use and misuse of Mobile phones and Web was discussed in detail. Internet searching and email was demonstrated live. The classes were handled by Mrs. Mini Ulanat, assisted by Mr. Shahim Baker. Books and CDs related to general science reading and computers in specific was donated to the institution for building their library. Also a Digital resource repository has been given and more of such resources will be added to this.</p>
4 th Oct 2012	<p>Tech Talk: E-Waste Management</p> <p>On 4th Oct 2012, IEEE Kochi Subsection, in association with CSI Cochin Chapter organized a tech talk on the topic: E-Waste Management. The speaker was Mr. G. Pramod, Senior liaison officer of Earthsense recycle (P) Ltd. He described the various methods by which e-waste is to be disposed properly without harming the environment. He also gave an insight of the legal requirements related to E-waste management.</p>
7 th Dec 2012	<p>E-Meet</p> <p>On 7th Dec 2012, IEEE Kerala GOLD, in association with IEEE Kochi Subsection, conducted an Entrepreneurship Meet, alongside with INDICON 2012, at Rajagiri School of Engineering & Technology. More than just a conference, the event focused on becoming a core ecosystem of aspiring entrepreneurs, like-minded students and experienced personnel from the industry who have already jumped the band-wagon. The various sessions of the event were: "Startup Acceleration for FOSS based Enterprises"-By Mr. Satish Babu, Director ICFOSS; "Taking Business Beyond National Boundaries" By Mr. C. Balagopal, MD, Terumo Penpol; "Commandments to be a Successful Entrepreneur"- By Mr. S. R. Nair, Chair KMA; "Key Concepts for Establishing a Technology Business"-Mr. Freeman Murray, Co-Founder, Startup School; Panel Discussion on "Entrepreneurship In Kerala –Prospects & Possibilities" with panelists like: Mr. V. K. Damodaran, Mr. John K Paul, Mr. C. Balagopal and Mr. Surya Narayanan</p>
7, 8, 9 December 2012	<p>INDICON 2012</p> <p>IEEE INDICON is the prestigious annual conference of the IEEE India Council that is being held since 2004. INDICON covers the fields of Computer Sciences and Engineering, Electrical Engineering, electronics and Communication Engineering, Bio-medical Engineering, Life Sciences, Technology Management among other areas of discipline of the IEEE.</p> <p>INDICON 2012 was jointly hosted by Kerala section and Kochi Subsection. The event will be happening at Rajagiri School of Engineering & Technology (RSET), Cochin, Kerala from 7th December 2012 to 9th December 2012.</p> <p>The event consisted of a multitude of events:</p> <ul style="list-style-type: none"> • Conference in 5 Parallel Tracks • 5 Tutorials • 4 Plenary Sessions • Parallel Events: All India Computer Society Students' Congress, IEEE GOLD E-Meet,

	WiE Congress, Educational Symposium, IEEE Standards Association Track, IEEE India Council Execom, IEEE India Council AGM, IEEE SIGHT/E4C track
10 th December 2012	John Walz-CUSAT

Submitted By: Shahim Baker

Secretary, IEEE Kochi Subsection