

IEEE Pune Section

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Dear Reader,

Welcome to IEEE Pune Section

About IEEE Pune Section

IEEE Pune Section (R0 01 20) was established on June 26, 2010 with terrestrial boundaries confined to Pune Metropolitan City (Postal Code: 411001 to 411999). The Section falls under the jurisdiction of Asia Pacific Region (R-10) of IEEE. Before 2010, Pune Section was a subsection of IEEE Bombay Section (June 20th 2003 till June 25th 201).

It comprises of four society chapters, a Women in Engineering Affinity(WIE) group and nineteen IEEE Student Branches in different Engineering Colleges in and around Pune City.

The Section interfaces with the industries and academia through various technical and humanitarian activities. Section organizes various activities throughout the year, which are helpful to the professional members as well as for student's community for their skill set up gradation. The Section and its student branches endeavour to contribute to the advancement of the knowledge of its community through activities that provide professional information exchanges and stimulate technological innovations. Meetings of the Section officers, interactions with the Student Branch Counsellors and representatives are held on regular basis to discuss the ideas and plans for activities.



From The Editor's Desk

IEEE Pune Section is happy to present Volume 3, Issue 2 of IEEE Pune Section News Letter for the year 2014.

IEEE Pune Section is excited to host various conferences and workshops in Pune this year. The prestigious Indicon 2014 - IEEE India's flagship conference being one of them, apart from a Workshop on Electrical Safety in India (WESI 2014) and many in the pipeline. The WIE Affinity group IEEE Pune Section has submitted two project proposals to Region 10 for partial funding and is hopeful in receiving the approval from WIE Region 10.

The current issue is a compilation of various activity reports submitted by IEEE Student chapters, Society Chapters and WIE Affinity Group of IEEE Pune section for the months of April-June 2014.

The support received by student team from Symbiosis Institute of Computer Studies and Research especially Mr. Apoorv Jain in compilation of this News letter is appreciated.

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Symbiosis Institute of Computer Studies and Research, Pune;
Chair, WIE Affinity Group, IEEE Pune Section.

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1. STUDENT CHAPTER REPORTS

a. VISHWAKARMA INSTIUTE OF TECHNOLOGY, PUNE INDUSTRIAL VISIT TO PARI



Industrial Visit to PARI (Precision Automation and Robotics India Ltd.) was scheduled on 9th April, 2014. The visit was organized by IEEE VIT Student Branch. A total of 42 students were present including Prof. Suhas Bhise and Prof. Shidore. PARI is situated at Shirwal, Pune which is around 35 km from VIT. We hired a bus. The bus left the college premises at 8:45am and reached the PARI at 10:15.





PARI is a global automation solution provider using world class robotic products and technologies. It has state of art technology centre with R&D facilities.

In the company, we saw a wide spectrum of precision-engineered products like MCC & PLC Based Control Panels, Automation Systems using PLC, Robotic arm, HMI, DRIVES, and SCADA and CNC. The staff members of the company from PARI delivered the knowledge about all the types of Automation and Robotics projects manufactured by the company.

We learnt a about machine tool handling, press automation, welding automation, liquid application automation, forging automation, gauging automation, control panels and its working & applicability to the open world. We thoroughly got to know how the automatic car parking system is implemented. The difference between theoretical and practical knowledge was easily observed. Students were really were happy as they learnt many new things as well as they were updated to the recent trends in industries.

It was a very good experience. The visit got over at 1:30 pm. Then it was followed by lunch in the PARI Canteen. We finished our whole visit by 3 pm and reached the college by 4:30 pm.

b. JS COLLEGE OF ENGINEERING, HADAPSAR, PUNE

“IEEE Communication Based Project Competition 2014”

Every year IEEE Communication Society under IEEE Pune section organizes a Communication Based Project Competition. This year various engineering colleges participated for the same. The total participated groups were around 65. Three phases of evaluation was done. The selection of total sixty five groups is done solely on communication based projects. In phase –I evaluation done at three different engineering colleges at RSCOPE ,PVG & AISSPMS on 9th April 2014, were total fifteen groups shortlisted for Phase –II Evaluation. On 3rd June Phase –II evaluation did under industry & Academic experience persons. The three projects shortlisted as winner team. The Jayawantrao Sawant College of Engineering (JSCOPE) grabs the third winning position along with Rs 3000 cash prize. The Students from E&TC department of JSCOPE presented the project “**Bridge Health Monitoring System**”. The participated students are Mr.Pranit Huddedar, Mr.Atharv Kekare

& Mr.Rohit Bagde from BE E&TC of JSCOE. The Campus director Dr.K.N.Barbole, Principal Dr.M.G.Jadhav,HOD Prof.V.M.Sardar, Mentor Prof.M.B.Tadwalkar , JSCOE IEEE Counselor Prof.T.S.Mote congratulated the winning team.

The prize distribution held at IETE centre, Shivajinagar, Pune on 8th August 2014.The Chairperson for IEEE Pune section Dr.Rajesh Ingle congratulated & distributed prize for winning team. The All IEEE Pune section executive members were present for prize distribution.



2. SOCIETY CHAPTER REPORTS

a. COMPUTER SOCIETY PUNE

April 2014 –

1. A guest Lecture on “COMPUTATIONAL INTELLIGENCE” under the IEEE student Branch was organized by Department of Electronics and Telecommunication for IEEE members, ME faculty and students of PCCOE on 7th April. 2014. About Fifty participants attended the guest lecture by Prof. Atul Negi (Ex.chair,IEEE Hyderabad section). In his session, he discussed and explained various technical and research aspects of Computational intelligence. It created awareness about technological challenges & opportunities in the area of Computational intelligence. A similar lecture was organized at Pune Institute Of Computer Technology by IEEE student branch. Both the lectures at PCCOE and PICT were technically sponsored by IEEE Computer Society of Pune Section

May 2014

1. Computer society office bearers' met to discuss way forward for the society and also decided planning activity for All India Computer Society Student Congress- (AICSSC) -2014

June 2014 –

1. Dr Suraj Kothari Professor at Department of Electrical and Computer Engineering from IOWA State University addressed CDAC gathering. He also addressed students and staff members of SYMBIOSYS on model-based software engineering using Atlas. Both events were organized by Computer Society Pune chapter.
2. Dr Vidyasagar Potdar, Senior Research Fellow at Curtin University Australia, conducted a lecture at CDAC on “How much money do spammers make from your website”

b. PES/ IAS CHAPTER

Expert Lecture on Development of LED Bulbs by Dr. Praneet Athalye was organised by Department of Electrical Engineering, College of Engineering Pune on 26th May 2014. Total 40 delegates including 12 IEEE members had attended the lecture.

c. WIE AFFINITY GROUP

WIE affinity group, IEEE Pune Section submitted two proposals for support of partial fund from IEEE R10 WIE in the month of May.

1. Entrepreneurship Development Programme for Women –A workshop to be conducted in the month of September 2014.
2. PUNE NERDS : This proposal was submitted to IEEE R 10 under STAR programme. Pune Nerds are group of individuals from across Pune city, who would, propagate about Technology for Humanity in general and Everyday Science and Engineering Education in particular to High School and Junior College students belonging to an identified geographical location. (PUNE RURAL). The major objectives of this activity were,
 - To create awareness of application of technology for humanity
 - To encourage girls for engineering education.