

## IEEE Pune Section Events

### Young Professional Affinity Group: Training on MATLAB



A three day training programme to Electrical Professionals on “MATLAB for Electrical Engineers “ form 9<sup>th</sup> to 11<sup>th</sup> March 2017 was organized by Dept. of Electrical Engineering , PVG’s COET in association with Young Professional Affinity Group, IEEE Pune Section.

The participants which included few from start-up companies were given training on the use of Simulink and various block sets of MATLAB as a professional software. Few of them were the start-up companies.

The resource person was Mr. Hrishikesh Mehta, from Kuber Technologies, Varanasi. With his wide experience in automation and control, he had conducted theory as well as practical sessions. The practical sessions were well appreciated by the participants as it consisted of software and hardware coordination and control. The delegates were happy with the content of course covering basic scripts, functions, blocksets as well as GUI etc. A total of 35 participants, of which 12 were IEEE members and 15 were students benefited from the programme,

### Women In Engineering Affinity Group: International Women Day



International Women Day was celebrated by WIE AG, IEEE Pune section at PCCOE College Akurdi on 25<sup>th</sup> March 2017 on the theme “Women Empowerment” was organized in association with IBM and Google Women Techmakers Group (WTM), Pune.

Dr. Rajashree Jain, Vice Chair, WIE, IEEE India Council and Secretary IEEE Pune Section and Ms. Lekha Panikulangara IEEE WIE Pune Chair for 2017 were present at the programme and shared details about IEEE Pune Section WIE, and how it is beneficial for student and women professionals. Dr. Rajashree Jain in her well appreciated inspirational talk shared on how women play multiple roles and face challenges at home and work yet they move ahead successfully in their professional career. She also shared her own experiences that motivated many women, who could relate to their own lives.

In an overview session. Mr. Swanand Gadre, Advisory Software Engineer, IBM covered the Watson capabilities and Watson APIs which was useful to the young women students and faculties on exploring Watson APIs for analytics and cognitive capabilities. The faculties and student requested for a follow session where they could get hands on experience on IBM Bluemix and IBM Watson.

In a fun filled activity on collaboration and networking, by Pranoti Nandurkar, along with the briefing about Women Techmakers, a quiz and fun activities were conducted for participants. Goodies and gifts were presented to active participation. Five teams were asked to demonstrate activities for women role in society. Students grouped into 5 teams and enacted skits to show the role played of women at home and offices and add value as individuals in society. A total of 19 faculty members and 37 students participated in this programme.

### **Education Society Chapter: Workshop on “Computing with Fun”**



A workshop on “Computing with Fun” was conducted on 13<sup>th</sup> and 15<sup>th</sup> April, 2017 at Sungrace School, Pune. It was a part of the series of workshops under “Cultivating Creativity and Curiosity in Children (Quadra-C)” program conceptualized by the Education Society of IEEE Pune Section.

The workshop was conducted by the Education Society in association with the Rotary Club of Pune Horizon, Pune. The main objective of this workshop was to introduce concepts related to Algorithmic thinking, Reasoning, and Decision making in relation to Computational Science. The students participated in this event had no earlier exposure to computers, except in the use of Internet. Emphasis during the workshop

was on evolving basic logic necessary for development of Computer Algorithms through interactive games. Number Sorting was taken as an example and participants were made to evolve the necessary logic behind sorting, through numerous games. Initially, they were made to learn the methodology behind sorting to specific types of numbering sequences, understand the mistakes and correct them. Later they were made to evolve the logic for sorting random sequences. Many practical applications for number sorting were also explained to them. Participants were also introduced to concepts of ‘Looping’ and ‘Decision Trees’ and how they are useful in writing efficient programming. In the beginning, children were made to understand and appreciate the need for Computing, Calculating and Communicating and how all the three aspects are integrated in modern devices. The workshop was attended by 37 children of Std X. Certificates were distributed to all by Shri Vijai Pillai, Director, Sun grace School. All participants were immensely happy with the workshop and desired to have more of such workshops.

*Compiled by Dr.(Mrs). Rajashree Jain, [rajashreejain@gmail.com](mailto:rajashreejain@gmail.com)*

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**Startup to launch 24x7 open self-driving store in China:** Swedish startup Wheelys is launching a 24x7 open self-driving store called 'Moby Mart' in China's Shanghai. The store uses artificial intelligence and computer vision to navigate streets and carries items like fresh food, sneakers and magazines. Users will need to scan the items they're taking, and an app will deduct the amount from users' account when they leave the store.

**Google buys 300 modular apartments at \$30mn for US employees:** In the wake of skyrocketing rents in the Silicon Valley, Google has ordered 300 units of modular apartments for its employees from a startup called Factory OS, in a deal worth up to \$30 million. Modular homes are completely built in a factory and assembled like puzzle pieces onsite. This process reduces the cost of construction by 20-50%.

**Amazon store tech prevents shoppers from seeing price online:** Amazon has been granted a patent for a new technology that prevents its in-store shoppers from checking prices of products online. The technology allows Amazon to intercept network requests like URLs and search terms that happen on its in-store Wi-Fi. Amazon can also use requested information to sell shoppers the products they are looking online.

**Every Indian would consume 11GB data/month by 2022: Report:** According to Ericsson Mobility Report 2017, every smartphone user in India would consume 11GB data a month by the year 2022, growing at a compound annual growth rate (CAGR) of almost 40%. The report listed fast smartphone adoption, changing users' behaviour, and disruptive pricing strategies as the reasons behind the increase in data consumption.

**Google Drive to offer automatic backup of any folder on PC:** Google's cloud storage tool Google Drive will be launching a new app called Backup and Sync on June 28. The tool will allow users to choose folders they want to backup instead of having to place them inside the Drive folder. However, users will only be able to backup data up to 15 GB on the Drive for free