

IOT WORKSHOP :

In order to explore Internet of Things, IEEE Brainwaves came up with the IoT workshop which was organized by Eduvance. The workshop was organized on the 16th, 17th and 18th of January 2019. The participants had a wonderful experience learning IoT from the scratch and there were many important and relevant topics taught in the workshop which improved the students' technical knowledge about IoT. The following important points were covered in the workshop: Uploading and getting data from IoT cloud, Basic embedded C, LCD Interfacing, Serial Communication, Sensor Interfacing, ADC .



WHY STUDY ABROAD?

Ieee in association with Endeavor had organized a seminar on "Why Study Abroad? " Their motto was to give us an exposure to the actual procedure for education abroad. Their objective was to tell us the need of competitive exam , list of countries where there is settlement, cultural involvement, and job opportunities



Block chain :

IEEE brainwaves came up with the seminar on Blockchain which was been conducted by Prof. Pranav Shastri(Asst.Prof. BSc. IT on Feb 1st. Following important points were covered in the seminar Legacy Centralized System ,Need of Decentralization ,Introduction to Blockchain Tech, Smart Contract, DApps & DAO ,World's perception of Blockchain, Generic Blockchain Use cases, Blockchain in Electronics,Blockchain in Telecommunication ,Future stance of Blockchain in India .Thus, the seminar gave them the chance to learn blockchain and how is the perception of the world towards it and the way it's taking it's place in today's world.



TRIGUNI

This workshop mainly focused on making of 3 robots: Wired, Wireless and Autonomous (Line follower) robots. The main objectives of the workshop were- To give the students a basic idea about the robotics, Basic Arduino functions, Use of ESP8266 WIFI module, IR sensor.

This helped the students to gain some confidence in making robots and gave them the push required to explore this field.



IEEE SOCIAL

The day started with a bus full of excitement heading towards Prabalmachi, Panvel. After reaching there, students met the local guide Mr. Namdeo who owns a restaurant on the Prabalmachi plateau. Then started the adventurous trek to Prabalmachi; about 2800 feet above the sea level. It nearly took 2 hours to reach the plateau. Though the ascent was tiring for the first timers but they enjoyed the natural beauty throughout the way. After reaching, Mr. Namdeo's family welcomed the IEEE social team. The objectives of this were to make students socialise with the villagers. Providing an opportunity to the students to interact with villagers and have an adventurous trek experience.



EMBEDDED C-

In order to help the students of Third Year to enhance their technical knowledge this will be beneficial for their further respective projects. All the students as they were able to grasp new things, use features of 'C' to create structured embedded code, write code that is reliable and responsive. Be comfortable with designing code that adheres to timing constraints and understand the necessity of an Embedded OS.



Saguna Baug –

IEEE organized a seminar for the students of our college to enlighten them about the food scarcity problems and global warming. The speaker for the session was Shri. Bhadsavle Sir who is an agri-entrepreneur and a rich writer under the domain of agriculture. He addressed the

alarming need for reducing the carbon content in the atmosphere which is affecting the soil health drastically. He placed his points forward by utilizing some videos and presentations for better understanding. He introduced the rice cultivation technique that he practices which leads to no methane production which in turn lessens global warming. A QnA session helped the students to know more about his approach and also about the advancements they can make. Followed by it, Mr. Anil demonstrated a technique named SVT which was proved to be cost-effective and an increase in the cultivation rate.



Photography Workshop -

IEEE arranged a photography workshop in the presence of their Alumni Mr. Jeet Gandhi who himself is an established photographer. He was here to deliver the primary knowledge to amateur photographers. The workshop focused on introducing the students to the concepts and various terms related to snap shooting. He briefed about the ISO settings, aspect ratio, exposure mode, bokeh, aperture, and many more things. An interactive session helped the students to clear their doubts effectively. Lastly, he also advised on buying the correct lenses from the market.



DIY Boards:

It taught the features of ESim which is a PCB designing software.

After that for 2 days Arduino and Node MCU were taught. Arduino is the vastly used software. Thus, many open source software were discussed. Various devices were interfaced with them. Raspberry Pi 4, mbed FRDM board were discussed on the rest of days.

