

Yashavantrao Chavan Institute of Science, Satara (Autonomous)

Department of Electronics & Computer Science

Report

**“A Five Day’s hands on workshop
on
Internet of Things (IoT) Design and applications”**

23rd-27th July, 2019

Department of Electronics & Computer Science have organized “**A Five Day’s hands on workshop on Internet of Things (IoT) Design and applications**” on 23rd - 27th July 2019 for M.Sc.- I and M.Sc. II Electronics Students intended for COC courses Certificate and Diploma in Internet of Things (IoT) in collaboration with AVM Infotech (I) PVT LTD, Indore.

The workshop began with a welcome speech by Mr. J. A. Wagh, Head, Department of Electronics and Computer Science. He had explained the theme of workshop. The workshop was inaugurated by Chief Guest Hon.Prin. Dr. K. G. Kanade. 40 students had participated in this workshop. In this workshop Mr. Sumit Tehalwani (Embedded and IoT Engineer) having 5 years of industry experience, Phrabhakar Bansode, and Shrenic Chowgule worked as Resource Persons. First day Basics of Arduino was taught by Resource Persons Mr. Sumit Tehalwani , Next day, he discussed real life use cases on IoT application and make the session really interactive by providing an opportunity to suggest a solution to real life scenario. The second day of workshop was planned to provide hands on experience with IoT device and application. Second day conducted by Mr. Sumit Tehalwani Phrabhakar Bansode, and Shrenic Chowgule.

The Third day was begun with discussion on various technologies available for location access, real time data access with their limitations and

application and brought forward the idea of Bluetooth Low Energy(BLE), Wifi, device and their applications. The participants learned creating the systems using different Sensors like ultrasonic sensor, relay, soil moisture sensor, RFID tag, WiFi modul, Bluetooth, LCD, Dot Matrix etc. Fourth day was with discussion on AMS software which is useful in robotics.

The Fifth day was begun with the discussion on Raspberry pi and python language which is useful for raspberry pi proگرامing by Sumit Tehalwani. Last session of this workshop was the presentation of projects which was completed in last four days. Students was completed 30 projects in this workshop.

The Valedictory function of this Five days' workshop had begun with the welcome speech by Mr. J. A. Wagh. The Chief Guest of valedictory function was Hon.Prin.Dr.K.G.Kanade. He had delivered valedictory speech and shared his ideas related with the development of IoT Systems. Meritorious teams were awarded with the Certificates with the auspicious hands of Chief Guest Hon. Prin.Dr.K.G.Kanade. Vote of thanks was given by Mr. S.K. Shinde.

Photo Gallery



