



International Institute of Information Technology, Pune

**Department of Computer Engineering
Activity Report**

“Internet of Things: A Practical Approach”

Date: 25/01/2020

Event: Workshop

Date: 25/01/2020

Time: 09:00 am to 04:00 pm

Target Audience: 50

No of Participants: 45

Venue: Class Room No. A-222

Topic: Internet of Things

Resource Person: Mr. Pratik Bingewar

Coordinator: Prof. Pradip A. Chougule

Objectives:

1. To learn the basics of hardware required in IoT applications.
2. To learn functionalities and communication capabilities of Raspberry Pi , Arduino.
3. To learn how to setup connection between IoT applications and Web Applications or Cloud.
4. To learn IoT application deployment.

Outcomes:

CO1.Students can understand the different IoT application domain.

CO2.Students can choose appropriate hardware for designing and developing IoT applications.

CO3.Students can use different IDE's for implementation of IoT mini-project.

CO4.Students can deploy there mini-projects on Web Applications or on Cloud using Raspberry Pi / Arduino / ESP8266.

Activity Report: *The workshop was conducted on 25th Jan 2020. The main aim for conducting the workshop was to give students practical understanding of design, development and deployment of IoT applications on web or cloud.*

DAY 1:

The basics of selection of the required hardware, testing a hardware, using hardware according to the project requirement, coding at client and server side, creating mobile applications is completed. The demonstration of projects such as Indoor farming and home automation was conducted. Finally, doubts related to the topics were cleared and the workshop was concluded.

Event Photographs

