

Amrutvahini College of Engineering, Sangamner

Department of Electronics Engineering

A report on “Internet of Things (IoT) Club”

The IoT Club is an initiative taken to encourage and motivate the students of the department in Internet of Things. The main idea is to develop new skills and help students to gain knowledge related to IoT and also work on various related domains.


Objectives:

- To focus on mastering the skills in students by having various hands-on sessions and some projects.
- To make students skillful in hardware as well as software by means of Arduino, Raspberry Pi, Node MCU ESP8266 module, various sensors, actuators, along with Wi-Fi, Zigbee, Bluetooth module, etc.
- Introduce to new technologies such as IoT Processors, IoT Operating Systems, IoT Security, IoT Analytics, IoT Device (Thing) Management to make students ready with the current world technologies.
- Host workshops in the department for skill development and experience.

Outcomes:

Students will be able to,

- Demonstrate significance of IoT in different sectors.
- Develop and modify code for various sensor based applications using wireless sensor modules and working with variety of modules like environmental and security module.
- Conduct IoT related activities in academic environment and initiate new projects in Industrial sectors.
- Explore the features of predictive data analytics for IoT applications.
- Examine technological developments that will likely shape the industrial landscape in the future.


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➤ **Workshop conducted under IoT Club:**

1. State level Workshop on “Internet of Things (IoT) for Smart Cities” on 17th January 2017.

Name of Resource Person : Dr. Maheshkumar Kolekar, IIT, Patna.

Number of participants: 39



Hands on session



Hands on session

2. One Week Workshop on “Internet of Things” for Final Year and Third Year students of Electronics Engineering during 13th to 19th March 2018.

Name of Resource Person : Miss. Ashwini Gunjal
OS3 Infotech Solution, Mumbai.

Number of Students Attended Workshop: 35



3. One Week Workshop on “Advanced Internet of Things” for Final Year students of Electronics Engineering during 27th August to 02nd September 2018.

Name of Resource Person : Miss. Ashwini Gunjal
OS3 Infotech Solution, Mumbai.

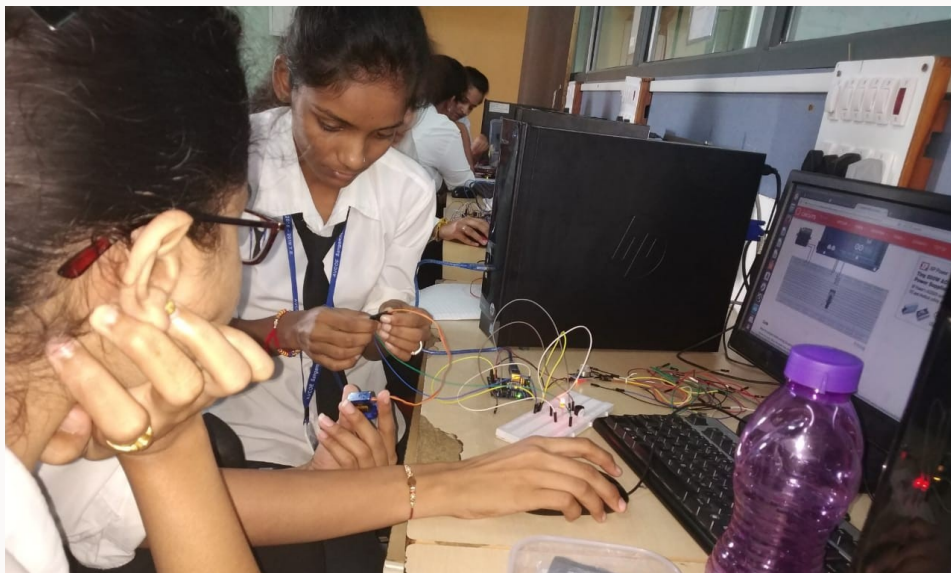
Number of Students Attended Workshop: 47



4. One Week Workshop on “Internet of Things” for Third Year students of Electronics Engineering during 03rd to 9th September 2018.

Name of Resource Person : Miss. Ashwini Gunjal
OS3 Infotech Solution, Mumbai.

Number of Students Attended Workshop: 50



5. One Week Workshop on “Internet of Things” for Third Year students of Electronics Engineering during 23rd to 27th September 2019.

Name of Resource Person : Er. Vilas S. Ubale

Er. Sujata B. Dighe

Faculty, Electronics Engineering Dept.

Number of Students Attended Workshop: 53

