# K. K. Wagh Institute of Engineering Education & Research, Nashik

### Internet of Things (IoT) club

### Report of Activities

### Academic Year 2021-22

### **Students Members**

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#### K. K. Wagh Institute of Engineering Education & Research, Nashik

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#### Academic Year 2021-22

Name of Activity: Expert Talk on "Introduction to IoT and its Application"

Dates: 22<sup>nd</sup> Jan. 2022

Expert Person: Mr. Lalit Patil, Engineering Lead at Persistent Systems, Pune

Objective of the experts talk is as follows-

- Introduction to Internet of Things (IoT)
- IoT Architecture
- IoT Applications for Society and Industry
- Security threat in IoT application

Total number of students participated: 120 students attended the session

#### Activity2

Name of Activity: Two days workshop on "Internet of Things: Scope and Applications"

Dates: 26<sup>th</sup> and 28<sup>th</sup> Feb. 2022

Total number of students participated: 54 First Year students participated in the workshop Objective:

The main objective of this workshop was to explore different application areas of IoT.

Resource persons from Cognifront Software Pvt. Ltd., Nashik:

- 1) Dr. R. S. Tiwari, Technical Director
- 2) Anita Mahale
- 3) Manisha Jane

Topics covered in the workshop-

- IoT using Arduino Microcontroller Board
- ✓ Introduction to Architecture of Arduino Microcontroller Board
- ✓ Introduction to IOT Technology
- ✓ Sensors, Actuators
- ✓ Arduino IDE with inbuilt LED
  - ✓ Interfacing Buzzer with Arduino Board
  - ✓ Data Communication with Serial Monitor
  - ✓ Data Input using Push Button, Controlling Servo motor

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### **Academic Year 2021-22**



Two days workshop on "Internet of Things: Scope and Applications"

## **Activity 3**

Name of Activity: Innovative IoT based Project Idea Competition for Society

Dates: Second Week of March 2022

Total number of students participated: 4 groups participated in the poster Competition