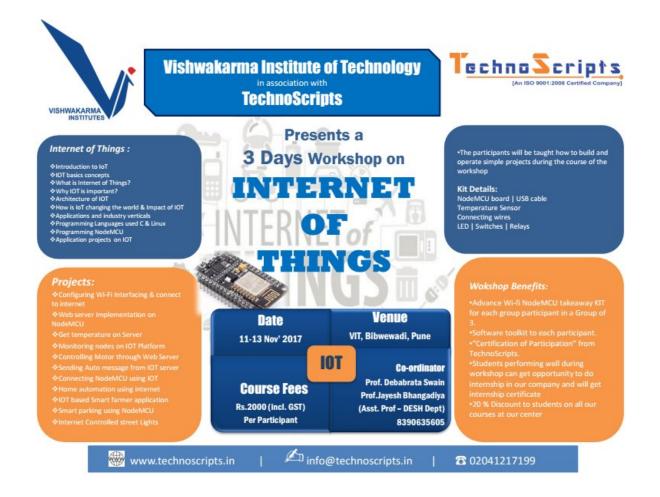
# REPORT

3-Days Workshop on Internet of Things (IoT) From 11/11/2017 to 13/11/2017 Organizing Department -DESH Department Conducted by –Technosript Solutions,Pune



A three day workshop on Internet of Things was conducted in Department Of Engineering Sciences and Humanities (DESH) during 11<sup>th</sup> November to 13<sup>th</sup> November 2017. Prof. Debabrata Swain from DESH along with a company Techno Script solutions conducted this Workshop. Total 27 students participated and successfully completed this workshop.

## **Technical Summary**

Kit details given to each group- Node Mcu Aurdino Board, Temperature humidity sensor, Proximity sensor, Connecting wires, Leds, Motor.

Day1: (11/11/2017)

#### Session1

- Introduction in to Internet.
- What is Internet of Things?
- Introduction about Aurdino Microcontroller.
- Detail discussion about various pins of Aurdino Pin.

#### Session2

- Installation of Aurdino IDE.
- Installation of Various Drivers.
- Configuring Wi-Fi Interfacing & connect to internet
- Blinking of LED Program.

Day2: (12/11/2017)

#### Session1

- Web server implementation on NodeMCU
- Get temperature on Server
- Monitoring nodes on IOT Platform
- Controlling Motor through Web Server

#### Session2

- Sending Auto message from IOT server
- Connecting NodeMCU using IOT
- Home automation using internet
- IOT based Smart farmer application
- Internet Controlled street Lights

## Day3: (13/11/2017)

### Session1

- Idea given about various sensors used for IoT based Applications.
- Competition for giving novel idea for Smart Parking Application among all participants.
- Discussion done about the idea given by each group.
- By considering the cost involved, number of components to be used, usage of internet and space constraint the result has announced.
- Best solution given by 2 student of Q-div (1<sup>st</sup> year)
  - 1. Ali Asgar
  - 2. Ajinkya Patil
- The selected candidates will get summer internship in **TechnoScript Solutions** company.



**Group Photo**