TECNIA INSTITUTE OF ADVANCED STUDIES
NAAC ACCREDITED GRADE "A" INSTITUTE
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Event : One Day Workshop
Topic : IOT
Resource Person : Mr. Sanjay Singh
Schedule : 10:00 am onwards
Date : 20th October 2020
Day : Monday
Venue : GoTo Meeting
Faculty In charge : Dr.Vishal Khatri, HOD (Computer Application Department)
No of Students :45

Objectives:
- To make students aware about the IOT platform.
- To brief students about importance of IOT and its needs.
- To tell students about the day to day upgradation of IOT and its usage.

Report Of Workshop On IOT:

Tecnia Institute of Advanced Studies organized a workshop on 20th October,2020 by Mr. Sanjay Singh, IOT EXPERT, for CEPTA INFOTECH PVT LTD, Delhi, BCA 2nd year and MCA 5th Sem students were a part of this workshop. Workshop module are:

1. Introduction to the Internet of Things

2. Basic IOT Architecture

3. The IOT Platforms Available

4. Usage of IOT in today's world.

5. Respberry Pi.

The workshop started with a welcome speech by Dr. Vishal Khatri, H.O.D of BCA department. In his welcome speech, he asked students to remain focused and to put their constant efforts to achieve excellence, learn new innovative things and discussed the significance of IoT and Robotics. The workshop was followed by the introduction speech by Dr. Ambuj Kumar Aggarwal on IOT. The workshop was then started by Mr. Sanjay Singh where he explained the benefits of IOT in todays life as well as in future and also told that the Internet of Things (IoT) is the next big technology and the most important factor impacting fundamental business logic in the coming decades and where all is IOT needed. He explained the importance and working of IOT in RaspberryPi , Cloud and Sensors. He then explained the evolution of IOT in industries and also told about the various applications used in IOT. He discussed the different platforms available for being an IT expert. He also demonstrated the working of single board computers using, Respberry Pi, Arduino. He then explained the RaspberryPi Pinout and RaspberryPi programming in Python. In the end of the workshop, there was a question-answer round held where the students clarified their doubts regarding IOT .

Learning Outcomes:
The students have learnt:-

1) IoT Data Communication protocols.
2) Usage of IOT
3) IoT Components, Devices, and Software Requirements.
4) Display devices and IOT Cloud Service
5) Function of various single board computers