LBRCE IEEE STUDENT BRANCH

REPORT ON "workshop on "The Internet of Things"

Event Type   :   Workshop on Internet of Things

Date / Duration   :   29-07-2016 & 30 -07-2016, 9.30 AM to 12.30 PM

Resource Person   :   Dr.S.V.Jagadeesh Chandra

Names of Coordinators   :   Dr.S.V.Jagadeesh Chandra

Target Audience   :   All 4th year Students of ECE & EEE, LBRCE

Total no of Participants   :   216

Objective of the event   :   The aim of workshop to discuss real life use cases on IoT application and make the session really interactive by providing an opportunity to suggest a solution to real life scenario also has been include to discuss some bonus: IoT demo applications with raspberry Pi board. Day ended with the demonstration of live project such as temperature monitoring.

Outcome of event   :
- Different types of Arduino board such as Arduino Uno, Arduino Uno R3 SMD, Ardino Pro 3.348 MHz ,Arduino mini , Aurdino Ethernet and there characteristics (Power supply, clock speed, Digital I/O, Analog Input, PWM modulation and different kinds of interfacing.
- Wi-Fi module Programming with Arduino.
- Interfacing of sensors and uploading data on cloud.
- For Interfacing different types of sensors with Arduino and Arduino with data base ,different programming steps have been discussed (function , statement ,control statement levels variables, math, pin mode, serial mode, digital mode variable, delay and for loop)
- Interfacing and controlling various devices like LED, motors, sensors etc with Arduino.
- Four examples have been taken as a hands-on such as LED glow, Switch sensing, Temperature display, small motor controlling.

Description / Report on Event:

The ECE Department is organized a Workshop on **"The Internet of Things "** in association with IEEE Student Branch from 29-07-2016 to 30 -07-2016.