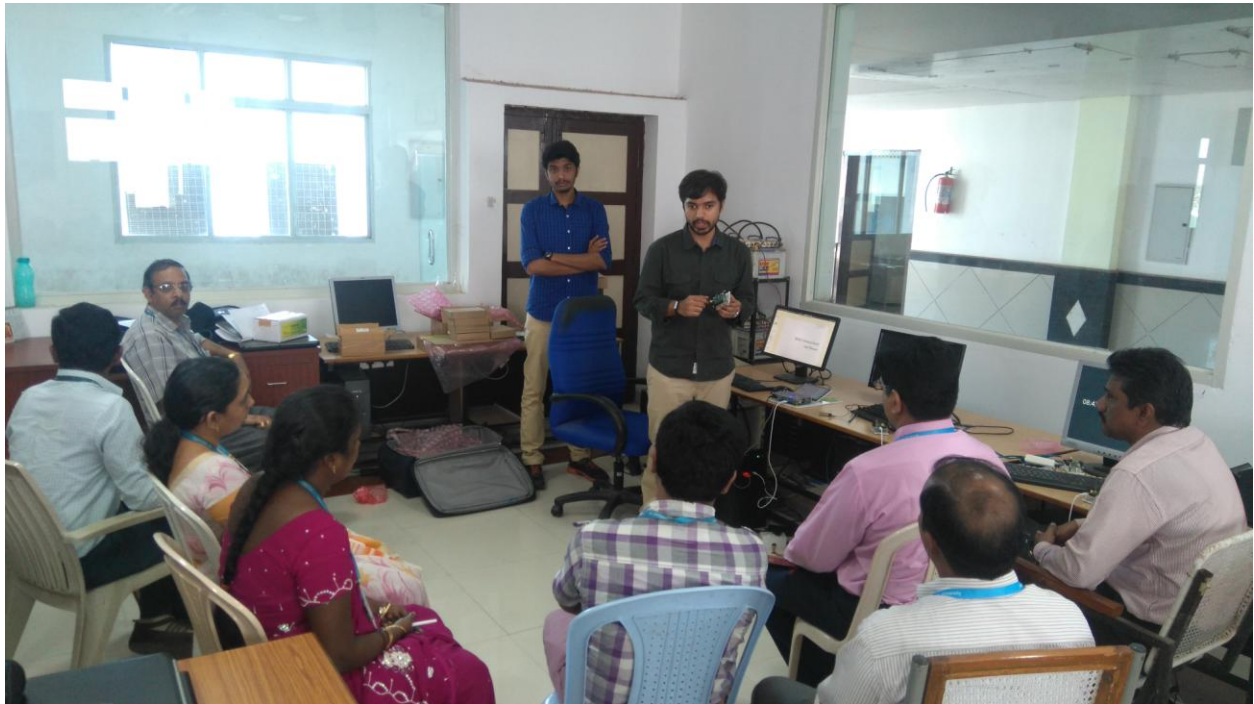


K L UNIVERSITY
DEPARTMENT OF ELECTRONICS & COMPUTER ENGINEERING
A REPORT
ON
SUBJECT BASED SEMINAR
ON
“Applications of IOT & WIRELESS SENSOR NETWORKS”

IOT Research Group and Department of Electronics & Computer Engineering organized a one day subject based seminar on “Applications of IOT & Wireless Sensor Networks” on 19-03-2016.

Mr .Hari Krishna ,Project Engineer ,IOT , CDAC ,Bangalore was the resource person. He focused on the importance of wireless sensor networks in current scenario and explained how collection of large number of sensor nodes with at least one base station can form a wireless network.



Mr.Hari Krishna Project Engineer ,IOT , CDAC ,Bangalore addressing the faculty

He also explained how IoT systems developed by C-DAC support lot of features which enables the researchers and students to explore different aspects and develop different applications in IoT field. The most popular protocols used for realization of IoT are Zigbee and 6LoWPAN (IEEE 802.15.4), Bluetooth and Wi-Fi. Sensors are the building blocks of IoT which can collect

parameters and low power wireless embedded systems transmit information to gateway devices. Gateway device will make the parameters available over internet so that parameters are globally accessible. He had given an overview on possible list of experiments that can be done using such lab kits.

The following topics were briefed

- Main units of Sensor Node.
- Role of Base Station in Transmission & Reception
- How data can be collected & processed.
- How sensor data is analyzed and presented to useful applications.

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