

Two day workshop on "Developing smart applications using IoT" for M.Tech
13-10-2017 to 14-10-2017

A Report on Two-Day Workshop on "Developing Smart Applications using IoT"

27/10/2017

A Two Day Workshop on "Developing Smart Applications using IoT" was organized for III year CSE students by Department of CSE, on 24th and 25th October 2017 from 9:30 a.m. to 4:15 p.m. by Mr. Mahankali Surya Tej, IOT Engineer, Smart Bridge Solutions, Hyderabad, under CSI Students Chapter, GNITS.

Day-1(24/10/2017):

In the workshop, the speaker covered various topics on Internet of Things (IoT) like Ultrasonic Sensors, Light dependent Resistors, passive infrared sensors and placing in the networks, Connectivity Issues, and components of IoT such as Security and Analytics.

The Noon session started by explaining about the Basic Hardware, Boards and mobile application Bluetooth in connection with sensors and later carried out practically by performing experiments with Ultrasonic Sensor and basic connections.

Day-2(25/10/2017):

In the second day of workshop, the session been carried out practically by making the students to perform the experiments with DHT sensors and PIR Sensors and also students were given instructions in controlling the Home Appliances using Bluetooth Network.

The Noon session was on Controlling (Interconnection), Home Appliances using Wi-Fi Network and sensing lights in homes was developed by students and also the session covered about the real time applications like predicting humidity and temperature.

The Two Day workshop has enhanced the knowledge of students and made the students to understand the usage of Ultrasonic Sensors as well as the development part and its applications. The students got facilitated with the workshop to understand the Controlling Home Appliances using Bluetooth Network and Wi-Fi Network as well.

Total of 70 students attended the workshop, 60% of the students gave feedback as "Excellent" for theory and Lab sessions. The students expressed that they have gained much knowledge in very short period and very much satisfied for the conduction of the workshop.

Faculty Advisor(s)

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