



# CSI STUDENT CHAPTER



## G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE

(AUTONOMOUS) (FOR WOMEN)  
DEPARTMENT OF CSE

### Report on Value Added Course

Event Name : Bootcamp on IoT  
Event Date: 17/08/2018, 18/08/2018.

Date:18/08/2018

Speaker(s): Mr. Mahankali Surya Tej, Smart Bridge.

Participants: III B.Tech CSE Students.

Number of participants: 85

#### THEORITICAL CONCEPTS:

- Introduction to IoT, Unlocking massive potential of IoT
- Arduino-UNO Board and its Pin Configurations , IBM Watson Cloud
- Serial Communication Types, Sensors: LDR Sensor, Ultrasonic Sensor, Temperature and Humidity Sensor, Wi-Fi Module - Node MCU (ESP8266 - Module 12)

#### PRACTICAL SESSIONS:

- Blinking of LEDs in various patterns. Displaying the sensor readings for both LDR and Ultrasonic sensors. Scan and Display the list of available Wifi's.
- Connecting NODE-MCU to Wifi and uploading the sensor data to the Cloud. Web-Application for Smart Home Automation System. Web-Application and Android-Application for Smart Weather Monitoring.

The workshop covered various topics mentioned above and gave required knowledge in the field of IoT. It provided hands-on practice on the use of Arduino, Sensors and Cloud Platforms.

**Feedback:** More than 90% of the students gave feedback as “Good” for theory and Lab sessions. The students expressed that they have gained much knowledge in very short period and are very much satisfied for the conduction of the workshop.



CSI Coordinator(s)

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HOD CSE