

Workshop Report:

Two days workshop " **Hands-on IoT Protocols**", was conducted by Research Center of E and C Engg., department of KLS Gogte Institute of Technology, Belagavi on 20th and 21st August 2016. **Dr. Vishwas Lakkundi, IoT Consultant** and **Nagasai Panchakarla, Founder of SensiBridge**, Bengaluru, were the resource person.

Objectives:

This workshop was designed exclusively for students who are keen on getting hands-on experience with IoT protocols and standards on IoT hardware.

Outcome:

At the end of the workshop, participants will be able to build a smart connected device and gain profound knowledge on state-of-the-art IoT protocols related applications.

Day 1 Description:

The workshop was inaugurated by Dr. Prashant P. Patavardhan, H.O.D - E&C Engg., Dr. G R. Udupi and Dr.V V. Desai and faculty member of the department were also present. Resource persons were introduced by Prof. Anil B Gavade, Research Coordinator and organizer, department of E&C Engg., KLS GIT, Belagavi. 32 students from 3rd and 5th semester of E&C Engg., participated in the workshop. Topics covered included Introduction to IoT, Overview of Electronics – Embedded Designs, Open Source Hardware Platforms, Overview of Wireless Communication Technologies, Protocols – Standards, Overview of Cloud & Analytics, IoT Simulators and Diagnosis Tools.

Day 2 Description:

Introduction to TI CC2650 and Contiki, Hands-on with CC2650 and Contiki + Environment Setup, Protocols Deepdive -LWM2M, CoAP, DTLS, Future Directions/Standardization.

Prof. Santosh S. Saraf, Cordinator, Computer Center was present for the valedictory function. Prof. Anil B. Gavade proposed the vote of thanks.

Photos of inauguration and Valedictory:



