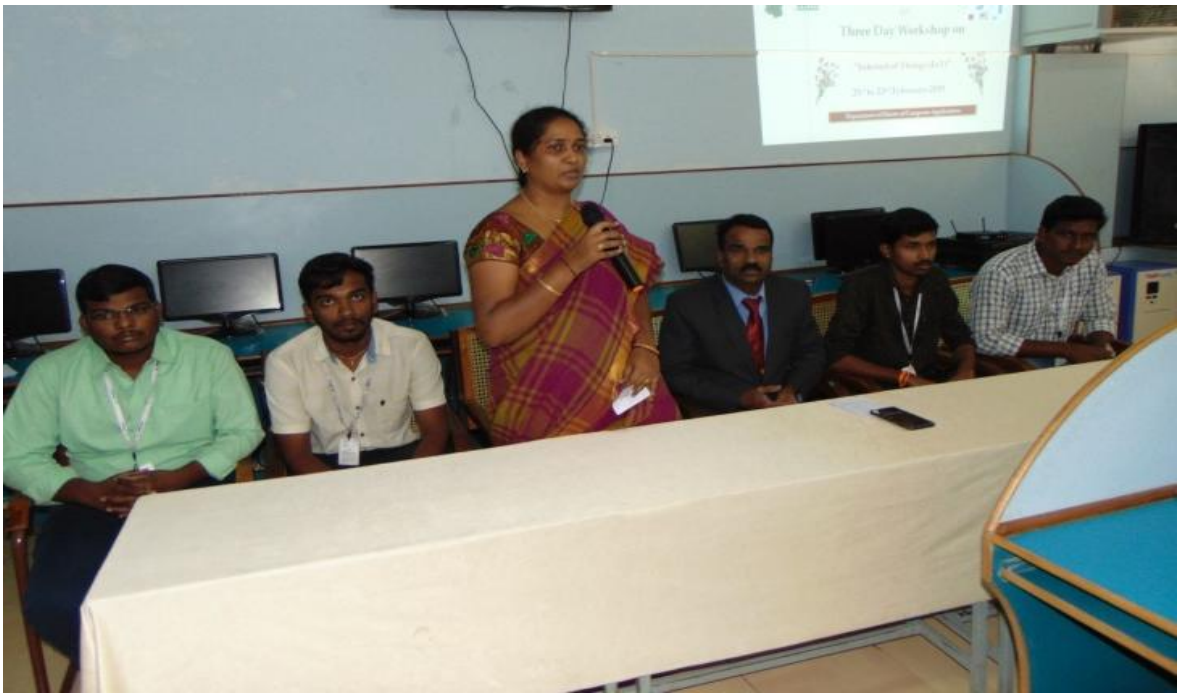
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Three Day Workshop on
Internet of Things (IoT) Fundamentals

The Department of Master of Computer Applications organized a Three day Workshop on "Internet of Things (IoT) Fundamentals" in collaboration with APSSDC from 21st - 23rd February, 2019.

Dr. K. Suneetha, Head, Dept. of MCA welcomed the Resource Persons from APSSDC Team Members and stated the importance of Internet of Things; Impact of IoT on the Internet; and its applications. The Chief Guest, Prof. B. Mohan, Director, SVIM addressed the students about significant challenges of IoT and the future of connected world.



Dr. K. Suneetha, HOD-MCA, addressing the gathering

This program provided an opportunity for participants to enrich their knowledge and skill in developing interfaces of switches with Arduino & LCD based projects; seven segment display with Arduino and sensors with Arduino-LDR; Humidity sensor; and Temperature sensor to create successful applications on IoT environment. During the three day workshop, APSSDC resource persons shared valuable insights on real life scenarios and solutions on The Internet of Things and Hands on expertise on Arduino tool kit.

Mr. Chevvakula Santhosh, a Trainer cum Developer, APSSDC gave introduction to embedded systems and its importance of 8051 family. He also discussed various key concepts of Embedded C Programming. Later, he formed a team & provided Arduino IoT kits for hands-on session.

Hands on session on Keil-IDE

Mr. Bhanu Chandar Reddy T, Trainer cum Developer, APSSDC demonstrated the functionality of Proteus software used primarily for electronic design automation and its installation procedure which is used prominently in the applications of IoT.

Mr. Uppala Sumanth, Trainer cum developer, APSSDC stated the importance of Arduino Programming and its working environment. Further, he demonstrated the Hands on experience on interfacing of switches with Arduino and LCD based projects.

Mr. T. Anil Kumar, Trainer cum developer, APSSDC demonstrated different applications of IoT and its practical implementations with tool kits. Further, he demonstrated the Keil-IDE and showed how it generated the results.

A total of 130 faculty and students of MCA participated in this 3 day Workshop and gained knowledge on IoT using various sensors like Humidity and Temperature.

Participants working on IoT using Arduino Tool Kit

Participants of IoT workshop