

## DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

### Workshop

on

## PROGRAMMING INTERNET OF THINGS (IoT)

The Department of Master of Computer Applications organized a Workshop on **"PROGRAMMING INTERNET OF THINGS (IoT)"** on 3<sup>rd</sup> November, 2017 for III and V semester students of MCA.

**Dr. M. Mrunalini**, Assistant Professor, Department of Computer Applications, M S Ramaiah Institute of Technology, Bengaluru enriched the participants' knowledge of Electronic Circuit Design, Microcontrollers and Programming Languages.

The Internet of Things (IoT) has been known for the last few years due to the advancement of Wireless Technology, Micro Electro Mechanical Systems (MEMS) and the Internet. By connecting "things" in the real world such as cars, buildings, and industrial equipment, IoT promises to revolutionize, how we live and work.



**Dr. M. Mrunalini**, Asst. Professor, MSRIT, Bengaluru delivering a talk on Programming IoT.



*Dr. M. Mrunalini demonstrating Arduino Uno and Raspberry Pi.*

Dr. Mrunalini provided an insight of various components used in Arduino Uno and Raspberry Pi environment for building devices that can control the physical world. She outlined the composition of the Arduino/ Raspberry Pi development boards, working with analog pins and digital pins, controlling LEDs etc. The participants were delighted with IoT experiments working with Sensors such as Analog to Digital convertor, temperature and humidity devices using Arduino Uno and Raspberry Pi. The knowledge and experience acquired in workshop created an awareness among the participants in cutting-edge technologies in IoT applications.



**Faculty and Student Participants**