

SARVAJANIK EDUCATION SOCIETY  
**Shree Ramkrishna Institute of Computer Education & Applied Sciences**  
M.T.B College Campus, Athwalines, Surat-395 001. Ph: 91 – 261- 224 0172  
**REPORT ON TWO DAYS WORKSHOP ON**  
**IOT APPLICATION USING ARDUINO AND RASPBERRY PI**

**Event/ Activity Name :-**Two days workshop on IoT using Arduino & Raspberry Pi.

**Date :-** 30/01/2020 and 31/01/2020

**Venue :-** Shree Ramkrishna Institute of Computer and Applied Science, Surat

**Aim/purpose:** The workshop was organized by the Department of Computer Science to give practical exposure of IoT application development to the students

**No. of Days :-** 02

**Level :-** College (UG and PG Both)

**Details of the event/ activity:** The event commenced with an introductory session in which students were introduced to the concepts of sensors and micro-controllers through various real world examples by Prof. Pritesh Saxena. Further, Prof. Chintan Panchal headed the session and carried out a detailed practical hands-on on the “Proteus” simulator for Arduino with a simple application of lighting LED.

In the Second half session, the hands-on was done for the application of LED on/off with switch on simulator. The simulated applications were then implemented on physical Arduino Board by the students.

The Second day started with the implementation of serial port communication on Arduino. Further in the second half, students developed various applications of ultrasonic sensor for distance measurement. In the last session, they were given insight on application development using Raspberry Pi and data storage on cloud.

The workshop was concluded by a vote of thanks given by Dr. Chaulami Desai(I/C Principal) and Mr. Jayesh Pushtiwala(HOD, Dept of Comp Science) to the resource persons and a Memento of group photo clicked with the students and Resource persons together.

The workshop was a grand success and golden learning memory for 39 participants in total.

**Signature of event/ activity co-ordinator :-**

**Ms. Nidhi Vaniyawala**

