

Report of Workshop on Raspberry Pi and Arduino

A Two Day workshop on Raspberry Pi and Arduino was conducted by the Department of E&C Engineering for the students of 3rd and 5th of November 2018. This workshop intended to familiarize the students with the Raspberry Pi and Arduino as processors and their applications.

The resource persons for the Arduino session were Prof. Uttam U. Deshpande and Prof. Ramesh B. Koti. During this session, the students were given an insight into Introduction to Embedded C and Open Source platform system tools, Interfacing of I/O devices, LEDs, Switch, Buzzer. The students were also taught about Interfacing of Display Devices, ADC and DAC.

The resource persons for the Raspberry Pi session were Prof. Aashish A. Gadgil and Prof. Vishwesh K. Aithal. During this session, the students were given an insight into Introduction to R-Pi, Python basics, Software installation, Introduction to IoT, Interfacing of I/O devices, LEDs, Switch, Buzzer and camera interfacing. The students were also taught OpenCV based object detection and developing games using python on R-Pi board. This session concluded with an overview of IoT and execution of some IoT applications.