

BVM Engineering College, Vallabh Vidhyanagar

Report

TEQIP-II Sponsored

One Day Workshop

On

“Raspberry Pi & Visual Programming”

Organized by

Computer Engineering Department

Dated: 31/12/2016

Faculty Coordinated by : Prof Kirtikumar J Sharma & Prof M I Hasan

Student Coordinator : Vatsal Trivedi

Total Participants : 22 Students of 3rd year Computer Engineering Department

Place : Lab 8, F Block

Expert Invited : **[1] Mr. Jignesh Patoliya**
Department of EC engineering,
Charotar University of Science and Technology
Changa, Gujarat INDIA

[2] Mr. Krupalkumar Hanishbhai Ka.Patel
Embedded Engineer, eiTRA,
Ahmedabad

Session 1:**Time: 8.30 a.m. to 11.30 a.m****Expert: Mr. Jignesh Patoliya**

First Prof. K J Sharma Introduced and welcomed two experts. Then students were first made to revisit the topics which were covered in the previous workshop on Arduino. The students were introduced various version of raspberry pi embedded board with its architecture. Various properties and implementation of the same were discussed. Programs were developed and the implementation shown by the experts on raspberry pi. Also, programming with python language was discussed. At the end of this session students would be able to understand various properties of raspberry pi board, architecture of board, basic of Python programming to interact with board and execute basic program on it. A short break of 30 minutes was given at 11:30 AM.

Session 2:**Time: 12 p.m. to 03.00 p.m.****Expert: Mr. Krupalkumar Hanishbhai Ka.Patel**

The workshop resumed at 12:00PM. Students were taught how to design and implement internet of thing application visually using Node-Red (A visual tool for wiring the Internet of Things). Node-RED is a tool for wiring together hardware devices, APIs and online services in new and interesting ways. At the end of this session students would be able to execute the IoT applications and send the alarm message through email, twitter and SMS.

The workshop ended at 3:15PM.Finally Prof. Kirti Sharma thanked the experts on behalf of BVM Engineering College. The students were asked for their feedback which was really positive. They said that they really enjoyed the workshop and that it was very informative and a great learning experience. They also said that they would want the experts to host another workshop on same to cover more advanced topics.

Faculty Coordinators

K J Sharma / M I Hasan

Head of the Department

Dr. D G Thakore

Photo Gallery



