

MODEL POLYTECHNIC COLLEGE, VADAKARA
Managed by Institute of Human Resources Development (IHRD) ,
Govt. Of Kerala

SHORT TERM COURSE FOR HIGHER SECONDARY/ HIGH
SCHOOL STUDENTS

Course Name: Embedded system Design and Internet of Things (IoT)

Course Duration: 40 Hours

Course Contents

1. Basic electronics workshop
2. Design and Implementation of Arduino - Raspberry Pi - IoT Projects
3. Career Development

Course Schedule

1. Introduction of Course with projects (3 Hours)
2. Familiarisation of Electronics components, Equipments and Tools (6 Hours)
3. Assembling of components on PCBs (3 Hours)
4. Familiarisation of Arduino Board and sensors (3 Hours)
5. Project Design with Arduino(3 Hours)
6. Project Design with Arduino(3 Hours)
7. PCB Design and fabrication (3 Hours)
8. Implementaion of Projects on PCB (3 Hours)
9. Familiarisation of Raspberry Pi (3 Hours)
10. Project Design on Raspberry Pi (3 Hours)
11. Introduction to Internet of Things (IoT) (3 Hours)
12. Project Design on IoT (2 Hours)
13. Career Development Programme (2Hours)

No. Of Students in a batch: 20

Course Fee: 2750/- +GST (Arduino Uno project kit with sensors are offered)

Vadakara,
21-03-2019.

sd/-
Principal