



Internet of Things (IOT), Android App. Development & Raspberry Pi

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Course Content

Sr. No.	Content
1	Introduction to Raspberry Pi
2.	Installation of Raspberry Pi and Operation system Raspbian
3.	Introduction to Linux operating system and some basic functions
4.	Introduction to Python and Some basic programs. History of Python Interactive Mode Programming Script Mode Programming Lines and Indentation Assigning Values to Variables Standard Data Types Python Strings Python Basic Operators Python Decision Making Python Loop Developing python program to understand above concepts.
5.	GPIO structure of Raspberry Pi
6.	Interfacing of LED and programming it for blinking using python language
7.	Interfacing of switch programming it for different purposes

	Like Switching LED, Taking Photograph, Increment Display etc
8	Interfacing of 7 segment display and its programming
15	Introduction to Android
16	Introduction to various IDEs used for app development
17	Installation of JDK6.0/ Android Studio/Eclipse
18	Creating web services
19	Working with GUI Component
20	Working with button events, edit text events
21	Creation of Activity
22	Working with GUI Component
23	Introduction to Android JAVA and XML
24	Button clicking events
25	Sending data to servers and transferring data to pi board
26	Switching experiment with android
27	Switching experiment with android
28	Working with activities
29	Switching activities
30	Real time Device on Off with android application
31	Introduction to programming languages used for app development
32	Development of Project with various hardware interfacing
33	Writing of program for on , off Bluetooth
34	Program to work on searching Bluetooth list and composing it
35	Connection with different Bluetooth and wi-fi, pairing of android and raspberry pi devices
36	Sending data to raspberry pi device
37	Android to raspberry pi communication with wireless network.

Duration Of Workshop : 40 to 50 Hrs.

All experimental material will be provide for experimental purpose during course.

Fees : Rs. 2500/-

Call for more Details: 9552811938

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