Python Development with Raspberry-Pi

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Course Description

Raspberry Pi is a low-cost computing platform that provides a way to building interesting applications using common programming languages. It also opens up the possibility of interesting hardware scenarios as well. This course will cover the basics of what you need to get up and running with the Raspberry Pi.

This course will teach candidate the Python programming skills they need to help make your Raspberry Pi project ideas a reality. Candidate will learn how to set up your Pi and then program it using Python. This course includes various sources of the sort of areas likely to be of interest to the Pi programmer, including physical computing, audio and video, 3D graphics and games.

The course will builds on knowledge gained from the Programming in Python: Introduction course using the Python Programming integrated development environment.

Who Should Attend

This course is meant for those who are interested in exploring the Raspberry Pi. While a knowledge of Linux operating system and Python programming language will be helpful.

Pre - requisites

Delegates should have attended our Python Programming course or have equivalent Python coding experience.

Modules Covered

- Introduction to Raspberry – Pi
- Preparing SD Card for OS Installation
- First time configuration
- Network Setup
- GPIO Setup
- Pi using Secure Shell (SSH)
- Pi over VNC
- Linux: Essential
- Python: Essential
- Making Raspberry – Pi a Web Server
- Hosting a blog on Raspberry – Pi
- Interfacing Electronic Components on Raspberry – Pi
- Home Automation using Raspberry - PI

Post Training Program (CODEC Networks Specialty)

- One Live Project Work
- Hand-over Labs & Practical's Checklist for review
- Discount Vouchers up to 15 - 25% for further training

Course Duration

- **Fast Track :** 5 Days (6 Hours/Day)
- **Regular Track :** 6 Weeks (3 Hours/Day)

Kits Include

- Pre-course technical evaluation
- Training Material (E-Books)
- Excellence Certificate from CODEC Networks

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