

Duration : 60Hrs

Internet of Things Using Python and Arduino IDE

- ❖ Introduction to Python
- ❖ Different Modes in PYTHON
- ❖ PYTHON NEW IDEs
- ❖ Variables in Python
- ❖ String Handling
- ❖ Python Operators and Operands
- ❖ Python Conditional Statements
- ❖ Python LOOPS
- ❖ Learning Python Strings
- ❖ Sequence or Collections in PYTHON
- ❖ Python Lists
- ❖ Python TUPLE
- ❖ Python Sets
- ❖ Python Dictionary
- ❖ Python Functions
- ❖ Advanced Python
- ❖ Python Modules
- ❖ Packages in Python
- ❖ Python Date and Time
- ❖ File Handling
- ❖ Python OS Module
- ❖ Python Exception Handling
- ❖ More Advanced PYTHON
- ❖ Python Class and Objects

Internet of Things using Python

- ❖ What is Raspberry Pi Computer?
- ❖ Raspberry Pi Board
- ❖ Features of Raspberry Pi
- ❖ Installing OS in Raspberry Pi
- ❖ Operating System Configuration
- ❖ Network Setup of Raspberry Pi
- ❖ Sensor interfacing
- ❖ Communication protocol
- ❖ Implementation of IoT
- ❖ Thingspeak App

IoT Using Arduino IDE

- ❖ Introduction to Arduino IDE
- ❖ Arduino with C-Programming
- ❖ Understanding Arduino Libraries
- ❖ Hands on with NodeMCU esp8266
- ❖ Sensor interfacing
- ❖ Implementation of IoT
- ❖ Thingspeak App
- ❖ Blynk app

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