

PYTHON- FullStack

Duration: 120 Hours

0731-4069788,7805063968

**PYTHON
Fullstack**

PYTHON

- ❖ History, Features, Setting up path, working with Python, Basic Syntax.
- ❖ Input and Output in Python
- ❖ Variable and Data Types, Operator.
- ❖ Conditional Statements, Loop, Break, Continue, Pass
- ❖ String Manipulation
- ❖ LIST, Tuple, Dictionary, Set
- ❖ USER DEFINE Functions
- ❖ File handling
- ❖ Exception handling
- ❖ OOPS Concept in Python
- ❖ Data Abstraction and Data Encapsulation
- ❖ Polymorphism and Inheritance
- ❖ Magic Function in Python
- ❖ Decorator in Python
- ❖ Monkey patching concept in Python?
- ❖ How to import and export excel and CSV File in Python
- ❖ Module in Python
- ❖ Multithreading

Django

Introduction to Django Complete Django Architecture

- ❖ What are MVT and MVC?
- ❖ Django Project, app, CLI
- ❖ Mapping the views to urls and explain project urls
- ❖ Django REST API
- ❖ Django Image, Video API
- ❖ Django API Development using GET, POST, PUT, DELETE
- ❖ Django database connectivity with MYSQL
- ❖ Django Database connectivity with Sqlite
- ❖ CRUD OPERATION on DJANGO REST API
- ❖ DJANGO Form elements using HTML
- ❖ Login Form, Registration Form, Session, Cookies, ACL
- ❖ Create Live Project in Django

Angular Framework

- ❖ Explain Angular, Angular Short History, Comparison of Angular JS and Angular Framework
- ❖ Angular JS 1.0 Overview
- ❖ Angular architecture, Angular application flow
- ❖ Comparison of Different Version of Angular
- ❖ Angular CLI to create project ,component and module
- ❖ Angular Architecture,MVC Design pattern
- ❖ What is Type Script, Data type in Angular Typescript
- ❖ Operator and Conditional Statements
- ❖ Control Structure or Loop, Array ,String Concept
- ❖ Angular Routing
- ❖ Create multiple Components and develop single page application
- ❖ Data binding in Angular
- ❖ Directives in Angular ,Pipe in Angular
- ❖ Dependency Injection and services in Angular
- ❖ File System in Angular,Read,Write.Open other operation
- ❖ Forms in angular, Template driven, reactive
- ❖ Http Request using GET,POST,PUT,DELETE
- ❖ Authentication, Create Login Form
- ❖ Modules, Predefine modules, Custom Module
- ❖ Animation,HTML Template Integration, query integration
- ❖ Validation using Angular Directive
- ❖ Web API implementation in Angular ,Create Login,Registration,CRUD
- ❖ State management in Angular
- ❖ Create Admin dashboard using Angular

Design tools

- ❖ HTML5,CSS3,JS,Jquery,Angular

Database and SDLC

- ❖ SQL Query,Table,Relationship
- ❖ SDLC,E-R Diagram,DFD,CLASS Diagram, Use Case Diagram,SRS,Synopsys,Project Report

