

Website Development in PYTHON

Module 1 : Core Python

- ✓ Introduction
 - History
 - Features
 - Applications of Python
 - Difference between Python and PHP

- ✓ Python Basics
 - Setting up path
 - Working with Python
 - Basic Syntax
 - Variable
 - Data Types
 - Operator

- ✓ Conditional Statements
 - If
 - If- else
 - Nested if-else

- ✓ Looping
 - For
 - While
 - Nested loops.

- ✓ Control Statements
 - Break
 - Continue
 - Pass

- ✓ String Manipulation
 - Accessing Strings
 - Basic Operations
 - String slices

- ✓ Lists
- ✓ Tuple
- ✓ Dictionaries

- ✓ Functions
- ✓ Modules
- ✓ Input-Output
- ✓ FILE
- ✓ Exception Handling
- ✓ Multithreading
- ✓ OOP's Concept
 - Class and Object
 - init method
 - Different Methods
 - Data abstraction
 - Encapsulation
 - Polymorphism
- ✓ Inheritance.

Module 2 : Django

- ✓ Introduction to Django
- ✓ Django Folder Structure
- ✓ Django Architecture
- ✓ Django Project, app, CLI
- ✓ File Uploading
- ✓ AJAX, Validation
- ✓ MVC Design pattern
- ✓ Django style
- ✓ Template
- ✓ Django Security
- ✓ Get and Post
- ✓ CSRF Token
- ✓ Django Admin Customization

- ✓ Django Custom Class
- ✓ Django Class View, Method View
- ✓ Django Form Template
- ✓ Django Image, Video Integration
- ✓ Django API Development
- ✓ Django database connectivity with MYSQL
- ✓ Login Form
- ✓ Registration Form
- ✓ Session
- ✓ Cookies
- ✓ ACL
- ✓ Create Live Project in Django