

Python Certification Program



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(*Smart E-Certificate upon completion of the Course with Unique ID)

Module-I (Introduction to Python and Scripting Concepts)

Topics to be covered in this module are,

- What is Python?
- Python Features
- Python Applications
- What is Scripting?
- Difference Between Scripting and Programming
- Python Installation
- Basics of Python – Comments, Literals, Indentation
- Python Code Execution Flow

Module-II (Introduction to Data Types and Decision Making)

Topics to be covered in this module,

- Identifiers
- Reserved Keywords
- Variables
- Data Types
- Operators
- Conditional Statements
- Loops

Module-III (Deep Dive into Data Types)

Topics to be covered in this module,

- Numbers
- Strings
- Lists
- Tuples
- Sets
- Dictionaries

Module-IV (Functions, Modules and Exception Handling)

Topics to be covered in this module,

- Functions
- Object Oriented Programming Concepts
- Input/ Output File Operations
- Exception Handling

Module-V (Python Applications)

Topics to be covered in this module,

- Network Programming
- Graphical User Interface (GUI) Programming
- Network Programming
- Standard Libraries
- Accessing MySQL DB using Python (PyMySQL Module)
- Data Manipulation
- Web Scrapping
- Machine learning

Use cases to be developed:

- 1. To Build an ATM Program using Python Script with conditional statement (Basic)**
- 2. To make a Socket Programming using Python with TCP connection (Intermediate)**
- 3. To build a GUI based Calculator using Python Script with Tkinter module (Advanced)**
- 4. To Scrape the Web page data (Flipkart website) and saving it into .csv file (Advanced)**
- 5. To Build a Weather Streaming app using Python Script for any City or State in India.**

Additional Benefits:

- 1. Free LinkedIn Portfolio Design Guidance**
- 2. Free Resume Building Guidance and Review for Resume**
- 3. Free GitHub Portfolio Design Guidance**
- 4. Internship opportunity with LOR for Good Learners.**
- 5. Lifetime access for contents and 24/7 technical support.**