

Python Programming

Overview

Course Details:-

Duration	20 days
Daily Class Hours	1 Hour
Medium	Online
Platform	Zoho Meeting
Languages	Python
IDE / Code Editor	Visual Studio Code, Pycharm

Week 1:

- Introduction to Python
- Variables and Print Statement
- Datatypes and Typeconversion
- Operators, Input and comments
- Conditional Statements and Indentation
- String, List, Dictionary and Set Methods

Week 2:

- Loops and Range
- Functions
- List Comprehension
- Lambda Functions
- Higher Order Functions
- Exception Handling
- File Handling
- Modules and Packages

Week 3:

- Object Oriented Programming
- Classes and Objects
- Data Abstraction and Encapsulation
- Inheritance and Polymorphism
- Decorators, Generators and Iterators
- Asynchronous Programming

Week 4:

- Regular Expressions
- Built-In Modules
- Virtual Environment
- Using External Packages
- Tkinter Gui
- Mini Project With Tkinter
- Career Guidance