PYTHON PROGRAMMING CONTENT

1. Introduction to Programming

2. Basic Python Syntax

3. Python Variables and Data Types

4. Python Operators

- Python Arithmetic Operators.
- Python Comparison Operators
- Python Assignment Operators
- Python Bitwise Operators
- Python Logical Operators
- Python Membership Operators
- Python Identity Operators

5. Python Control Statement

- If
- Else

6. Python loops

- For loops
- While loops
- Nested Loops

7. Python Break statement

8. Python continue statement

9. Python pass statement

10. Python Strings

11. Python Tuple

   Accessing Values

- Indexing
- Slicing
- Updating
- max()

- min()
- in operator

12.Python List

- Operations on list
- List methods/Functions

13.Python Dictionary

- Operations on Python dictionary
- Dictionary functions
- Dictionary methods

14.Python Sets

15.Python Function

- Function with arguments
- Function with the argument and return value
- Function with default Argument
- Function with Variable-length arguments
- Scope of Variables

16.Python File Input/Output

- Reading/Writing Text from a File

PYTHON ADVANCED CONTENT

1. **Python Modules**

2. **Packages in Python**

3. **Python Exception Handling**

4. **OOPS Concepts in Python**