

PYTHON PROGRAMMING COURSE

Build Strong Coding Skills with Python

A structured beginner-to-intermediate program designed to develop programming fundamentals, logical thinking, creativity, and problem-solving abilities.

COURSE DURATION

30 Hours

CLASS SCHEDULE

3 / 4 / 5 Classes per Week

(Based on student availability)

WHAT YOU'LL GAIN

8 Modules

From Python basics through functions and creative coding

Hands-On Practice

Logic building, pattern programs, and live coding

Creative Coding

Turtle graphics projects and mini design challenges

COURSE CURRICULUM

BASIC PYTHON FOUNDATION

MODULE 1 INTRODUCTION TO PYTHON

- ❖ What is Python?
- ❖ Features of Python
- ❖ Python Installation & Setup
- ❖ Running First Python Program
- ❖ Python Syntax Basics

MODULE 2 VARIABLES & DATA TYPES

- ❖ Variables
- ❖ Numbers, Strings & Boolean Data Types
- ❖ Type Conversion
- ❖ Input & Output
- ❖ Basic Python Expressions

MODULE 3 OPERATORS

- ❖ Arithmetic Operators
- ❖ Relational Operators
- ❖ Logical Operators
- ❖ Assignment Operators
- ❖ Operator Precedence

CORE PROGRAMMING CONCEPTS

MODULE 4 CONDITIONAL STATEMENTS

- ❖ if Statement
- ❖ if-else Conditions
- ❖ Nested Conditions
- ❖ Multiple Conditions

MODULE 5 LOOPS

- ❖ for Loop
- ❖ while Loop
- ❖ Nested Loops

- ❖ Loop Control Statements
- ❖ Pattern Programs

MODULE 6 DATA STRUCTURES

- ❖ Lists
- ❖ Tuples
- ❖ Sets
- ❖ Dictionaries
- ❖ Basic Data Operations

CREATIVE PYTHON & PROBLEM SOLVING

MODULE 7 FUNCTIONS

- ❖ Creating Functions
- ❖ Parameters & Arguments
- ❖ Return Values
- ❖ Scope of Variables

MODULE 8 TURTLE GRAPHICS

- ❖ Introduction to Turtle Module
- ❖ Drawing Basic Shapes
- ❖ Colors & Patterns
- ❖ Creating Designs using Turtle
- ❖ Mini Creative Projects

FEE STRUCTURE

Particulars	Amount
Course Fee (₹800 × 30 Hours)	₹24,000/-
Discount	- ₹3,000/-
Total Payable Fees	₹21,000/-

Learn Python • Build Logic • Create Designs

TEAM OGGNTECH

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