

# Python Course Details

By **Besant Technologies**

Course Name	Python
Category	Scripting Language
Venue	Besant Technologies
Address	No.24, Nagendra Nagar, Velachery Main Road, Velachery, Chennai – 600 042 Landmark – Opposite to Phoenix Market City
Official URL	<a href="#">Python Scripting Training</a>
Demo Classes	At Your Convenience
Training Methodology	30% Theory & 70% Practical
Course Duration	25-30 Hours
Class Availability	Weekdays & Weekends
For Demo Class	Call - +91-996 252 8293 / 94 Email ID – <a href="mailto:besanttech@gmail.com">besanttech@gmail.com</a>

## Why Besant Technologies?

- Training by highly experienced and certified professionals
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- List of established & satisfied clients & students ([Visit our website for reviews](#)).

## Python Scripting Training Outline

### **Introduction**

- Why do we need Python?
- Program structure

### **Execution steps**

- Interactive Shell
- Executable or script files.
- User Interface or IDE

### **Memory management and Garbage collections**

- Object creation and deletion
- Object properties

### **Data Types and Operations**

- Numbers
- Strings
- List
- Tuple
- Dictionary
- Other Core Types

### **Statements and Syntax**

- Assignments, Expressions and prints
- If tests and Syntax Rules
- While and For Loops
- Iterations and Comprehensions

### **File Operations**

- Opening a file
- Using Files
- Other File tools

### **Functions**

- Function definition and call
- Function Scope
- Arguments
- Function Objects
- Anonymous Functions

### **Modules and Packages**

- Module Creations and Usage
- Module Search Path
- Module Vs. Script

- Package Creation and Importing

### **Classes**

- Classes and instances
- Classes method calls
- Inheritance and Compositions
- Static and Class Methods
- Bound and Unbound Methods
- Operator Overloading
- Polymorphism

### **Exception Handling**

- Default Exception Handler
- Catching Exceptions
- Raise an exception
- User defined exception

### **Advanced Concepts**

- Decorators
- Generators
- Iterators
- Co-routines

### **Standard Library Modules**

### **References**

### **Exercises**

### **Roadmap with Python**

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