



# **Embedded Technosolutions**

Venture of IIT Bombay & VJTI Alumni

**3** Times IIT Bombay Robo Competition Winner

## **Industrial Certified Python Programmer & Developer**

Government of India (MSME) & IIT Bombay Alumni Recognized



**B R A N D**

**PROMISE**

**We Guarantee You that, You Can Develop Your Projects by  
Your Own After This Training Program**



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## Professional Python Developer

### Chapter 1 - Introduction to python

- Python Basics
- Data Types, Operators, Loops, Conditional statements
- Python 2 v/s Python 3

### Chapter 2 - Advance Data Types, Functions, Modules

- Working with lists, dictionary and tuples
- Defining functions
- Working with modules

### Chapter 3 - File I/O Operations

- Reading and writing files
- Access modes of files

### Chapter 4 - Exception Handling

- Handling a exception
- Multiple exceptions



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- User-defined exceptions

### **Chapter 5 - OOPs with Python**

- Overview of OOP terminology
- Defining Classes and Objects
- Working with Inheritance
- Abstract Classes

### **Chapter 6 - Regular Expressions**

- Working with 're' module
- Search, replace and pattern checking

### **Chapter 7 - Reference Types**

- Iterators, Generators
- Closures, Decorators

### **Chapter 8 - Database Access in python**

- Database Introduction and types
- Working with SQLite database
- Create, Alter, Drop Tables
- Insert, Select, Update , Delete functions

### **Chapter 9 - Multi threading**

- Threading concept
- Working with threading module



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## **Chapter 10 - Socket Programming**

- Introduction to sockets
- Working with socket module
- UDP and TCP client-server connection

## **Chapter 11 - GUI**

- Working with Tkinter module
- Creating graphical Windows, Frame
- Creating Text box, Label, Check buttons ,Radian buttons etc