



Embedded Technosolutions

Venture of IIT Bombay & VJTI Alumni

3 Times IIT Bombay Robo Competition Winner

**Industrial Certified
Python with AI Developer**

**All India Council For Technical Skill
Development (AICTSD)
In Association with
IITians Embedded Technosolution**





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B R A N D

PROMISE

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



Professional Python Developer

Chapter 1 - Introduction to python

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

Chapter 2 - Strings in Python Programming

- Accessing Values in Strings
- Updating Strings
- Escape Characters



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- String Special Operators
- String Formatting Operator
- Triple Quotes

Chapter 3 - Lists in Python Programming

- Python Lists
- Accessing Values in Lists
- Updating Lists
- Delete List Elements
- Basic List Operations
- Indexing, Slicing, and Matrixes
- Built-in List Functions & Methods

Chapter 4 - Tuples in Python Programming

- Python Tuples
- Accessing Values in Tuples
- Updating Tuples
- Delete Tuple Elements
- Basic Tuples Operations
- Indexing, Slicing, and Matrixes



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- No Enclosing Delimiters
- Built-in Tuple Functions

Chapter 5 - Dictionary in Python Programming

- Python Dictionary
- Accessing Values in Dictionary
- Updating Dictionary
- Delete Dictionary Elements
- Properties of Dictionary Keys
- Built-in Dictionary Functions & Methods

Chapter 6 - Advance Data Types, Functions, Modules

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

Chapter 7 - File I/O Operations

- Reading and writing files
- Access modes of files

Chapter 8 - Exception Handling

- Handling a exception
- Multiple exceptions



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- User-defined exceptions

Chapter 9 - OOPs with Python

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

Chapter 10 - Multi threading

- Threading concept
- Working with threading module

Chapter 11 - Socket Programming

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

Chapter 12 - GUI

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