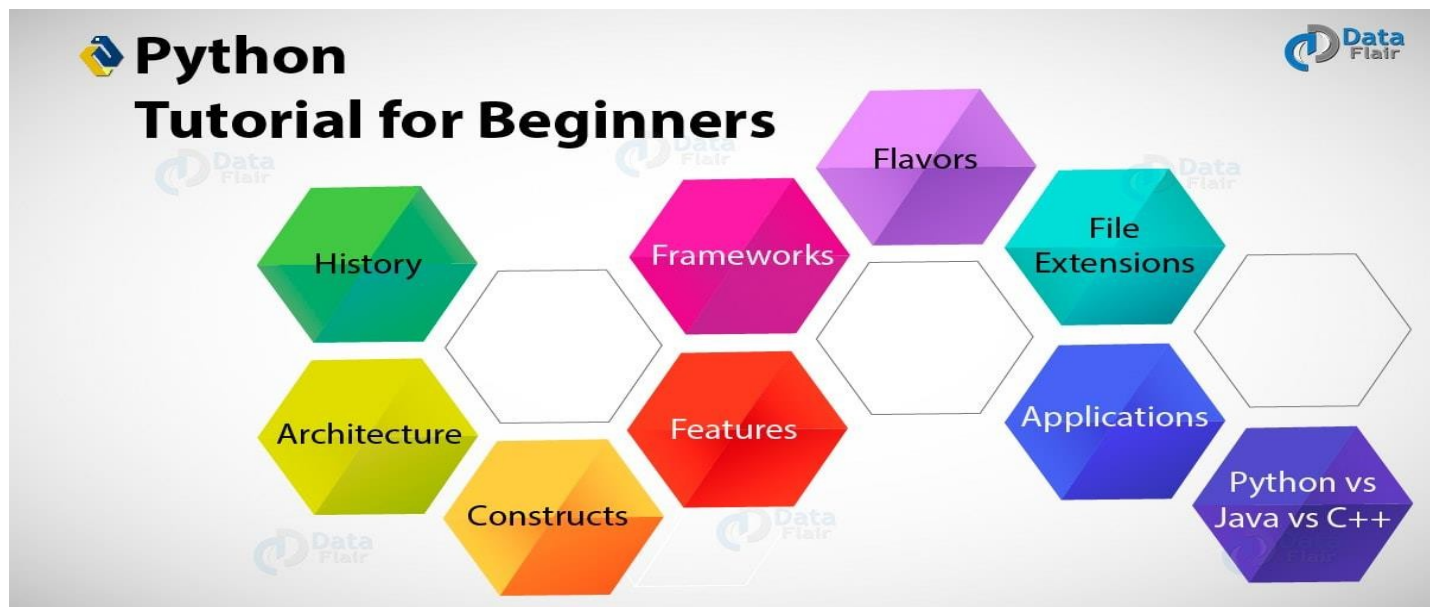*LEARN TODAY AND LEAD TOMMOROW*

Overview

Let eMexo Technologies **Best Python Training in Electronic City, Bangalore** take you from the fundamentals of Python to Advance Python Training and make you an expert in developing real time Python applications. Here are the major topics we cover under this Python course Syllabus,Intoduction to Python,Basics of Python,Program flow/ Data flow of Python,Function in Python,File Handling in Python,Exception Handling in Python,Oops in Python,Core Concepts in Python,Comprehension in Python,Thread and DateTime in Python,Advanced data Structure/ collections in Python,MySQL with Python,Network programming with Python,Regular Expression with Python,GUI programming with Python,API access with Python,DataScience with Python,The project with Python.Every topic will be covered in mostly practical way with examples.

All the topics will be covered with Practical and hands on training for our **Python Course in Electronic City**. Our trainers have industry experience with live project experience in cutting edge technologies which they teach. We hire only Best Python industry specialists as trainer for our Python Training in Electronic City.

If you are looking for **Python Training in Electronic City** eMexo Technologies is the **Best Python Training Institute in Electronic City**. Come over to our training institute for a free demo class. Let our trainer give you a demo on Python and only then you take the decision to enroll into the training program.

Training Features

Expert Instructors

60 hours of Instructor led Classes. Weekend class:20 sessions of 3 hours each and Weekday class:30 sessions of 2 hours each.

Real life Case Studies

Do a real life case study to understand the usage on real world scenarios.

Assignments

Each class will be followed by practical assignment switch can be completed before the next class.

Unit 1 : Introduction to Python

- ➢ Python programming history & features

- ➢ Python compiler and IDE installation

- ➢ Virtual Environment

- ➢ Pip – Package Manager

- ➢ Hands-on

Unit 2 : Basics of Python

- ➢ Python Syntax Overview, Indentation, comments

- ➢ Variable declaration

- ➢ Datatypes and data structure

- ➢ Primitive

- ➢ Non-primitive

- ➢ Operators in python

- ➢ Hands-on

Unit 3 : Program flow/ Data flow of Python

- ➢ Conditional Statements

- ➢ if statement

- ➢ if … else statement

➢   if … elif… else statement

➢   Looping

➢   for loop

➢   for with else statement

➢   while loop

➢   while with else statement

➢   Control Statements

➢   break

➢   Continue

➢   pass

➢   Assert Statement

➢   Hands-on

Unit 4 : Function in Python

➢   Syntax of Function

➢   Function with *args & **kwargs

➢   Scope of variables

➢   Lambda function with map, filter, reduce method

➢   DocString

➢   Modules and standard Modules

Unit 5 : File Handling in Python

- ➤ File Opening modes

- ➤ Context Manager in python

- ➤ File Operations

- ➤ Open

- ➤ Create

- ➤ Read

- ➤ Write

- ➤ Update

- ➤ Delete

- ➤ Hands-on

Unit 6 : Exception Handling in Python

- ➤ Types of Errors in python

- ➤ Exception handling with

- ➤ try … except

- ➤ try … except… finally

- ➤ try … except… else

- ➤ Multiple Exception

- ➤ Raising Exception

➢ User-defined Exception

➢ Hands-on

Unit 7 : Oops in Python

➢ Oops Concepts with programming syntax

➢ Class

➢ Object

➢ Polymorphism

➢ Encapsulation

➢ Inheritance

➢ Types of Methods in python

➢ Hands-on

Unit 8 : Core Concepts in Python

➢ Iterator

➢ Generator

➢ Decorator

➢ Hands-on

Unit 9 : Comprehension in Python

➢ Comprehensions

➢ List

➢ Nested List

➢ if statement

➢ if … else statement

➢ Nested if … else statement

➢ Dictionary

➢ Sorting

➢ List

➢ Dictionary

➢ Hands-on

Unit 10 : Thread and DateTime in Python

➢ Terms in threading

➢ process

➢ thread

➢ multithreading

➢ Time complexity

➢ Thread Life cycle

➢ Programming with Threading & Multithreading

➢ Synchronization

➢ Sleep and execution time of code

➢ DateTime module

➢ Hands-on

Unit 11 : Advanced data Structure/ collections in Python

➢ Deque

➢ namedtuple

➢ ChainMap

➢ Counter

➢ Ordered Dictionary

➢ Default Dictionary

➢ Hands-on

Unit 12 : MySQL with Python

➢ SQL statements & Operations

➢ Create

➢ Read

➢ Update

➢ Delete

➢ Python – SQL connector package installation

➢ Python with CRUD Operations

➢ Commit & Rollback

➢   SQL Related Exception Handling

➢   Hands-on

Unit 13 : Network programming with Python

➢   Terms and Basics of network programming

➢   The architecture of data transmission between sender and receiver using python

➢   Getting data from the remote server

➢   Client & Server-side programming

➢   Hands-on

Unit 14 : Regular Expression with Python

➢   Regex Syntax

➢   Quantifiers

➢   Metacharacters

➢   Special Sequences

➢   Sets

➢   Python re module

➢   Methods with regex usage

➢   Hands-on

Unit 15 : GUI programming with Python

➢   Introduction

➢   Components and Events

➢ An Example GUI

➢ Widgets

➢ Layout Management

➢ Signals & Slots

➢ QMessagesBox, QDialog

➢ Database Handling

➢ Hands-on

Unit 16 : API access with Python

➢ Google Text to Speech

➢ Google Speech to Text

➢ OpenWeatherMap

➢ Hands-on

Unit 17 : DataScience with Python

➢ Pandas – Series and Dataframe

➢ Numpy

➢ Matplotlib

➢ Hands-on

Unit 18 : The project with Python

➢ Creating own application with any one of the frameworks

➢ Django App

➢ PyQt5 App

➢ Console oriented Core app

FAQs

1. How is the training organised? How much percentage is theoretical and how much is practical hands on?

We at eMexo believe nothing beats a hands-on practice when it comes to learning a concept. Our teaching methodology is 100% practical hands-on oriented. You learn a concept, you practice it then and there with the trainer. We also give you assignments for each topic which you can practice at home and any doubts regarding the topic can be cleared with the trainer next day.

2. What is the course duration ? How and when do you plan to complete the course ?

We generally cover our courses in 60 hours, however, we are aware that we can't put a hard- stop to learning with a number. Our trainer will make sure that you have learned everything that is part of the curriculum. This could mean 48 hours or 60 hours, doesn't matter.

3. What is the material provided in the training ?

We have industry standard course material which is used by our trainers to train you. At the end of the training apart from the notes which you have taken during the course, we will also provide you with the training material which was used. This training material includes the training content, interview questions etc.

4. Do you help in preparing for the interview ?

Our trainers are working professionals who work in MNC's. They are the expert in their domain and they know exactly what an interviewer looks into a candidate. Our expert trainers apart from sharing the interview questions they will also conduct mock interviews to help you prepare for the real interview.

5. Who are your trainers ?

Our trainers are industry experts who work in their respective technologies day in day out. They work in MNC's and are technology experts within their organisation.

6. What is the total batch size per course?

We maintain a strict batch size of maximum 5 students. We also provide exclusive one to one training as well. Talk to our training partner to get more details.

7. Do you provide certification for the course?

Yes, at the end of training we provide a certification of completion.

8. Will I be joining a new batch or be merged with another batch ?

You will be added to a new batch.

9. Is fast track training available?

Yes, weprovidefast-tracktrainingas wellforthosewhowanttocompletethecoursefaster. The curriculum and the total hours required to complete the course will remain same. However, thetrainerwillbespendingmore hours with you to complete the course.

10. Do you assist in job placement ?

Our trainers are expert professionals in their organisations and they often act as the interviewer to hire new candidates. Our trainers will help you prepare your resume with industry standards. After all, they know exactly what to look in a resume.

11. Timings for trainings - Regular training/weekend training

We provide both regular and weekend training. Talk to our training partner to learn more about the timings.

12. Will you be working on a live project during training ?

Yes, apartfromdoingthehands-onpracticeourtrainerwillalsobetakingareal-worldproject andworkwithyou for theimplementation.

13. What happens if I miss a class?

If you miss a class the content of that class will be taught to you again.With us you might miss a class but not the content.

14. Can I attend a demo before the actual class?

Yes, absolutely! Talk to our training counsellor on phone at 9513216462 or email us at info@emexotechnologies.comtoarrangeforafreedemo. Youcanalsofillinthecontactus form below and we will call you to discuss your training requirements.