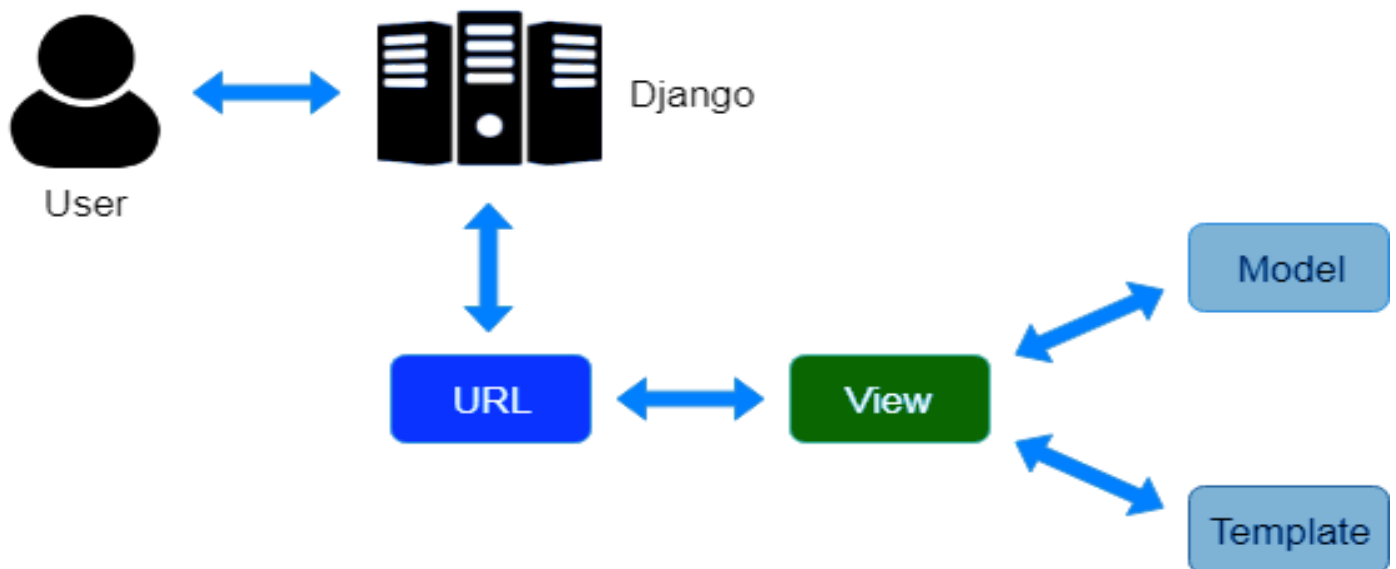*LEARN TODAY AND LEAD TOMORROW*

PYTHON DJANGO
TRAINING & CERTIFICATION

overviews

Let eMexo Technologies **Best Python Django Training in Electronic City Bangalore** take you from the fundamentals of Python to Advance Python Django and make you an expert in developing real-time Python applications. Here are the major topics we cover under this Python Django Course in Electronic City Bangalore Syllabus **Introduction, Memory management, and Garbage collections, Statements and Syntax, File Operations, Functions, Modules and Packages, Classes, Exception Handling, Advanced Concepts, and Django**. By taking this **Python Django Certification Training Course in Electronic City Bangalore**, you will be able to work on real-time projects and become a certified Python Django developer.

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

If you are looking for a Python Django Certification Course in Electronic City Bangalore, eMexo Technologies is the **Best Python Django Training Institute in Electronic City Bangalore**. Come over to our training institute in Electronic City for a free demo class. Let our trainer give you a demo of the Python Django Course and only then do you take the decision to enroll in the Python Django Training Course in Electronic City Bangalore.

Training Features

Real-life Case Studies

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

Assignments

Each class will be followed by practical assignments which can be completed before the next class.

Preparation for interview

Our trainers are professionals working in multinational corporations. They are experts in their field and know exactly what the interviewer will look for in the candidate. Experienced trainers not only share interview questions but also conduct mock interviews to help prepare for the actual interview.

Key Features

eMexo Technologies offers the **Best Python Django Training Course in Electronic City Bangalore** with the TOP industry expert trainers.
Here are the key features.

★ Free Demo Class Available

★ Practical Approach

★ Expert & Certified Trainers

★ 100% Job Oriented Training

★ Real World use cases and Scenarios

★ Completed 500+ Batches

★ Certification Guidance

Unit 1: Introduction to Python

➢ Get an overview of Python

➢ Learn about Interpreted Languages

➢ List the Advantages/Disadvantages of Python

➢ Explore Pydoc

➢ Start Python

➢ Discuss Interpreter PATH

➢ Use the Interpreter

➢ Run a Python Script

➢ Discuss Python Scripts on UNIX/Windows

➢ Explore Python Editors and IDEs

➢ Use Variables, Keywords, Built-in Functions, Strings, Different literals, Math operators and expressions, Writing to the screen, String formatting, Command line parameters, and Flow Control.

➢ Hands-On

Unit 2: Sequences and File Operations

➢ Lists

➢ Tuples

➢ Indexing and Slicing

- ➢ Iterating through a sequence

- ➢ Functions for all sequences

- ➢ Using enumerate()

- ➢ Operators and keywords on sequences

- ➢ The xrange()function

- ➢ List comprehensions

- ➢ Generator expressions

- ➢ Dictionaries and sets.

- ➢ Working with files

- ➢ Modes of opening a file

- ➢ File attributes

- ➢ File methods

- ➢ Hands-On

Unit 3: Deep Dive – Functions, Sorting, Errors and Exception, Regular Expressions and Packages

- ➢ Functions

- ➢ Function Parameters

- ➢ Global variables

- ➢ Variable scope and Returning Values

- ➢ Sorting

- ➢ Alternate Keys

- ➢ Lambda Functions

- ➢ Sorting collections of collections

- ➢ Sorting dictionaries

- ➢ Sorting lists in place

- ➢ Errors and Exception Handling

- ➢ Handling multiple exceptions

- ➢ The standard exception hierarchy using Modules

- ➢ The Import statement

- ➢ Module search path

- ➢ Package installation waysModule Aliases and Regular Expressions

- ➢ Hands-On

Unit 4: Object Oriented Programming in Python

- ➢ The sys Module

- ➢ Interpreter information

- ➢ STDIO

- ➢ Launching external programs

- ➢ Paths

- ➢ Directories and filenames

- ➢ Walking directory trees

- ➢ Math Function

- ➢ Random Numbers

- ➢ Dates and Times

- ➢ Zipped Archives

- ➢ Introduction to Python Classes

- ➢ Defining Classes

- ➢ Initializes

- ➢ Instance methods

- ➢ Properties

- ➢ Class methods and data

- ➢ Static methods

- ➢ Private methods and Inheritance

- ➢ Hands-On

Unit 5: Debugging, Databases and Project Skeletons

- ➢ Debugging

- ➢ Dealing with errors

- ➢ Using unit tests

- ➢ Project Skeleton

- ➢ Required packages

- ➢ Creating the Skeleton

- ➢ Project Directory

- ➢ Final Directory Structure

- ➢ Testing your set up

- ➢ Using the skeleton

- ➢ Creating a database with SQLite 3

- ➢ CRUD operations

- ➢ Creating a database object.

- ➢ Hands-On

Unit 6: Introduction to Django Web Framework

- ➢ Web development

- ➢ Introduction to Django Web Framework

- ➢ Features of Django

- ➢ Installing Django

- ➢ MVC model

- ➢ HTTP concepts

- ➢ Views

- ➢ URL Mapping

- ➢ Hands-On

Unit 7: Templates and Forms

- ➢ Django Template Language

- ➢ Utilities of Templates

- ➢ Creating Template Objects

- ➢ Tags, Variables and Filters

- ➢ Rendering Templates

- ➢ Template Inheritance

➢ Form Handling

➢ Form validation and Error Messages

➢ Form Display

➢ Hands-On

Unit 8: Models and Dynamic Webpages

➢ Django Models

➢ Model Fields

➢ Model Inheritance

➢ CRUD on DB

➢ Primary keys and the Model

➢ Dynamic Webpages

➢ Toggle Hidden Content

➢ jQuery and AJAX integration

➢ Hands-On

Unit 9: Serialization

➢ Serialization and Deserialization

➢ Django REST Framework

➢ Serializer class

➢ Model Serializers

➢ REST APIs

➢ Hands-On

Unit 10: Parsing XML and JSON with Python

- ➢ XML-RPC

- ➢ XML, parsing object to XML and back

- ➢ JSON, parsing object to JSON and back

- ➢ Hands-On

FAQs

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

We at eMexo believe nothing beats hands-on practice when it comes to learning a concept. Our teaching methodology is 100% practical and 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 the next day.

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

We generally cover our courses in 30 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 28 hours or 35 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 MNCs. 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 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 and day out. They work in MNCs and are technology experts within their organizations.

6. **What is the total batch size per course?**

We maintain a strict batch size of a maximum of 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 being merged with another batch?**

You will be added to a new batch.

9. **Is fast-track training available?**

Yes, we provide fast-track training as well for those who want to complete the course faster. The curriculum and the total hours required to complete the course will remain the same. However, the trainer will be spending more hours with you to complete the course.

10. **Do you assist in job placement?**

Our trainers are expert professionals in their organizations 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 for in a resume.

11. **Timings for training - 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, apart from doing the hands-on practice our trainer will also be taking a real-world project and working with you for the implementation.

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 counselor on phone at **+91-9513216462** or email us at **info@emexotechnologies.com** to arrange a free demo. You can also fill in the contact us form below and we will call you to discuss your training requirements.