

The logo for Emergio features the word "Emergio" in a bold, white, sans-serif font. To the left of the "E", there is a graphic element consisting of five curved, orange-yellow shapes that resemble stylized leaves or petals.

Emergio



Master Program in Python Development

Mode : Online/Offline
Eligibility : Any graduates

Table of Contents

- | | |
|---|----------------------|
| 1 | About Emergio |
| 2 | Mission and Vission |
| 3 | Course Highlights |
| 4 | What will you learn? |
| 5 | Course fee details |
| 6 | Contact Information |

About Emergio

Introducing Emergio, India's premier skill development company with over a decade of experience in the industry. Our mission is to empower students with the knowledge and skills they need to succeed in today's competitive job market.

We offer a wide range of courses in various fields such as IT, management, accounting, and more. Our expert trainers have years of experience in their respective fields and provide comprehensive training to our students. Our courses are designed to not only provide theoretical knowledge but also practical training to ensure our students are job-ready.

At Emergio, we understand the importance of placements in today's world. That's why we provide placement assistance to our students upon completion of their courses. We have tie-ups with some of the leading companies in various industries, and we work hard to ensure our students secure well-paying jobs.

We take pride in our students' success and strive to provide the best learning experience possible. Join Emergio today and take the first step towards a successful career.

Master Program in Python Development

Mission

At Emergio, we strive to provide personalized and comprehensive skill development training to students through our one-to-one training and placement services. We are committed to equipping our students with the necessary industry-specific knowledge, technical expertise, and soft skills required to excel in their chosen careers. Our goal is to ensure that every student who undergoes training with us is placed in a suitable job or is able to start their own successful venture. We believe in building long-term relationships with our students and providing ongoing support and guidance throughout their careers.

Vision

To empower individuals with the necessary skills and knowledge to succeed in their desired careers and contribute to the growth of their respective industries, thus creating a better tomorrow.



MODES OF TRAINING



100%

Offline



100%

Online

Job roles of Python Developer

Data
Scientist

Software
Engineer

Python
Developer

Full Stack
Developer

DevOps
Engineer

Machine Learning
Engineer

Course Highlights

Expert Faculty

Learn from experts who have actually worked in the Software Developing industry

Super Sessions

Learn from experience of industry professionals from leading Brand and industries

Hiring Partners

100% Placement Assurance in top Soft Development Companies across the India

1-on-1
Mentoring
Sessions

1-on1 mentoring by dedicated faculty to solve personalized doubts

Soft Skills

Get guidance on much needed presenttions

Placement
Assurance

Interview & resume building skills

Live Projects

Providing Assistance in live projects in Python, ranging from web development to data analysis and machine learning, such as developing a web-based chatbot, building a recommendation system, creating a data visualization dashboard, and automating tasks with Python scripts.

Master Program in Python Development

What will you Learn?

	Topic	Description
1	Introduction To Python	<ul style="list-style-type: none">• History• Features• Installation• Operators• Variables
2	Introduction To Datatypes	<ul style="list-style-type: none">• Python numbers• Python strings• Python lists• Python tuples• Python dictionary
3	Programming Concepts	<ul style="list-style-type: none">• If statements• If else• Elif statements• While loop• For loop
4	Functions & Module	<ul style="list-style-type: none">• Defining a function• Calling a function• Function arguments• Importing modules• Built in modules

What will you Learn?

	Topic	Description
5	Object Oriented programming	<ul style="list-style-type: none">• Class and objects• Super and subclass• Constructor• Inheritance
6	File & Exception Handling	<ul style="list-style-type: none">• Opening and closing a file• Reading and writing on a file• File methods• Exception handling• Raising an exception
7	GUI Development Using Tkinter	<ul style="list-style-type: none">• Introduction to Tkinter• Tkinter programming• Tkinter widgets• Standard attributes• Geometry management

Master Program in Python Development

What will you Learn?

	Topic	Description
8	Introduction to PYQT	<ul style="list-style-type: none">• Qt toolkit• Installing PyQt• Creating a GUI application with code• Using Qt designer• First application in Qt designer• Event handling in PyQt
9	Basic Widgets & Advanced Widgets	<ul style="list-style-type: none">• Using radio buttons• Using check box• Spin box• Scroll bar and slider• List widget• Display system clock time• Working with calendar• Combo box• Displaying table• Displaying graphic
10	OS Module, Network Programming	<ul style="list-style-type: none">• Environment• Directory Commands• Miscellaneous OS Calls and Walking through Directories

Master Program in Python Development

What will you Learn?

	Topic	Description
11	SQL & SQL Constraints	<ul style="list-style-type: none">• Introduction• DDL commands• DML commands• SQL statements, operators, clauses• Aggregate functions
12	Database Handling with SQL Lite	<ul style="list-style-type: none">• Database maintenance through console-based programs• Database maintenance through GUI based program
13	Firebase Realtime Database	<ul style="list-style-type: none">• Firebase Database Creation• Environment setup• Introduction to JSON• CRUD operations
14	Database	<ul style="list-style-type: none">• Create Database• Drop Database

What will you Learn?

	Topic	Description
15	MongoDB	<ul style="list-style-type: none">• MongoDB History• MongoDB Features• No SQL Databases• Advantages over RDBMS• MongoDB Data Types• Install MongoDB• MongoDB Shell• MongoDB Data Modelling
16	Collection	<ul style="list-style-type: none">• Create Collection• Drop Collection
17	CRUD : Documentation	<ul style="list-style-type: none">• Insert Documents• Update Documents• Delete Documents• Query Documents
18	Basic Study of Django Framework	<ul style="list-style-type: none">• What is Django?• Where did it come from?• What does Django code look like?• Installing Django

What will you Learn?

	Topic	Description
19	Django Templates & Form Details	<ul style="list-style-type: none">• HTML forms• Django form handling process• Validation• The template• Ways of using form template variables• Model forms
20	Django Admin Customization	<ul style="list-style-type: none">• Registering models• Creating a super user• Logging in and using the site• Advanced configuration
21	Deploying Django Framework	<ul style="list-style-type: none">• Production environment• Choosing a hosting provider• Getting your website ready to publish• Installing local library

What will you Learn?

	Topic	Description
22	Rest API's & User Authentication	<ul style="list-style-type: none">• Project setup• Serializers• Views• URL's• Settings• Testing our API• Enabling authentication• Creating users and groups• Setting up your authentication views• Testing against authenticated users• Permissions
23	Selenium IDE	<ul style="list-style-type: none">• IDE-Installation• IDE-Features• Running Test on Chrome• IDE-First Test Case• IDE-Login Test• IDE-Commands• IDE-Creating Test Cases• IDE- Locating Strategies

What will you Learn?

	Topic	Description
24	Selenium Web Driver	<ul style="list-style-type: none">• Web Driver-Architecture• Web Driver-Features• Web Driver-Installation• First Test Case• Web Driver CommandsRunning Test on ChromeRunning Test on FirefoxHandling Drop-Downs• Web Driver-Handling Alerts

Master Program in
Python Development

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