



Platforuma
Let's Learn, Innovate & Inspire

School of Programming



Python Programming



Training + Internship Brochure

What is Python?

Python is a powerful general-purpose programming language. It is currently most widely used multi-purpose high level language. It was created by Guido van Rossum during 1985- 1990. Like Perl, Python source code is also available under the GNU General Public License (GPL).



What we tend to achieve:

To introduce the students to Fundamentals of Python Language and its programming concepts. This course emphasises building up the logic for coding problems and having an alternate approach to the same problems with different techniques.

All Modules are Class Room Activity. Which the student will cover during the regular timings. If they wish to learn more. They will also get free '**Open Development Lab Access**' for free of cost.

Who is this Course For?

Anyone who is interested in learning any programming Language from Scratch. **No pre-requisite language required to learn.** Just boot up the laptop and get started.

Break-down for each Session:

- **Theory Sessions:** 20-25 minutes
- **Practical Session:** 40-45 minutes

Program Features:

- Learn conveniently in both **Online & Offline** Mode.
- Get guidance on your learning journey with weekly personalised **mentorship** from industry experts.
- Build practical skills with projects and assignments.
- Step ahead in your career with **Career Assistance Services**.

What this program helps you to achieve:

- Learn cutting edge technologies from the best in Indore faculty and Industry experts.
- Lead and contribute to digital transformation projects in the areas of **Programming, Analytics and Development** at your workplace & Home.
- Acquire **in-demand skills** and build your candidature for high growth roles and leading technology companies.
- Crack **technical interview rounds** easily during placement & internships.



Content Description:

Elements	Beginners	Intermediate	Professional
Introduction		What is Python?	
Installation		Installing Python	
		Installing Python IDE	
Fundamentals		Configuring the System Variables	
		Terminologies	
		Variables	
		Keywords	
Strings		Introduction to Strings	
		String Operations	
		String Methods	
Numbers		Introduction to Numbers	
		Number Operations	
		What are Operators?	
List		Introduction to List	
		Difference between List & Arrays	
		List Operations	
		List Methods	
Tuples		Introduction to Tuple	
		Difference between List & Tuple	
		List Operations	
		List Methods	
		Conversion of List to Tuple	
Dictionary		Introduction to Dictionary	
		Dictionary Operations	
		Dictionary Methods	
Sets	-	Introduction to Sets	
	-	Difference between Sets & List	
	-	Set Operations	
		Set Methods	
Conditional Statements		If Statements	
		If-else Statements	
		If-elif-else Statement	
Loops		While Loop	
		For Loop	
		Break Continue Pass Statements	
		Nested Loops	
GUI Development	-	Introduction to Tkinter	
	-	Grid & Pack Method	
	-	Button Radio Button Drop Down	
	-	Forms	
One Liners	-	Practical	-
Ternary Operators	-	Practical	-

Enumerate Method	-	Practical	-
Map Method	-	Practical	-
Comprehensions	-	List Comprehensions	-
	-	Dictionary Comprehensions	-
	-	Sets Comprehensions	-
Exception Handling	-	Try	
	-	Except	
	-	Raise	
	-	Break Continue Pass Statements	
File Handling	-	Open a file	
	-	Read/Write Files	
	-	Operations	
Functions		Function Arguments	
		Lambda Function	
		Global & Local Variable	
Database Integrations	-	-	Introduction to SQLite
	-	-	CRUD Operation
	-	-	Table Operations
OOPs		Class & Object	
		Methods	
		Inheritance	
		Multiple Inheritance	
		Encapsulation	
		Polymorphism	
Modules		Maths	
		Random	
	-	Time	
	-	Calendar	
	-	Statistics	
	-	OS	
	-	Numpy	Request
	-	Pandas	URL
	-	-	Introduction to Django
Django Framework			URLs & Request
			Forms
			API - Post, Get
			Projects

Capstone Projects:

These projects will be covered during the session of **'Hands-on sessions'**. After learning the fundamentals, projects related to it will be assigned to every individual in a number of steps

to complete the project. Full Assistance and Guidance to complete the project will be provided by the faculty in the classroom.

✓ **Tkinter**

Designing and Developing Desktop Applications for Major and Minor Projects

✓ **Django**

Designing and Developing Profile Application, Blog Application, Reservation Application and other major and minor projects.

Platforuma Advantages:

➤ **E-PORTFOLIO**

An e-portfolio is a snapshot of all the projects done and skills acquired during the program that is shareable across social media channels. This will help you showcase your expertise to potential recruiters.

➤ **RESUME BUILDING AND INTERVIEW PREPARATION**

We help you build your resume to highlight your skills and your previous professional experience. You'll also learn to crack interviews with our interview preparation sessions.

➤ **PLATFORUMA HIRING BOARD**

The program provides candidate's access to the Platforuma Hiring Board. Organizations approach us with job/internship opportunities that are shared through the Hiring Board with our candidates. We've seen over 20+ alumni transitions to the careers of their choice..

➤ **CAREER GUIDANCE**

Get access to career mentoring from industry experts who've transitioned to roles in the industry. Benefit from their guidance on how to build a rewarding career.

Program Fee:

Elements	Beginners	Intermediate	Professional
Fee	₹ 6000/-	₹ 10,000/-	₹ 18,000/-

**18% GST Applicable*

***Co-ordinate with us for discounts and offers*

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