



PYTHON

Total Duration-35 hours



Python Course Syllabus

1. Introduction of python

- What is python
- Who Developed python
- Features of python
- Applications of python
- Setting up the Environment

2. Python Basic Syntax and Data Types

- Input/output
- Comments
- Variables
- Data types
- Typecasting

3. Operators in Python

- Arithmetic
- Assignment
- Comparison
- Logical
- Identity
- Membership
- Bitwise operators

4. Strings in Python

- Creating
- Formatting
- Indexing
- Slicing
- String methods

5. Lists in Python

- Creating
- Properties

- Indexing
- Slicing
- Methods
- Modifying lists

6. Tuples in Python

- Syntax
- Properties
- Indexing
- Slicing
- Methods

7. Sets in Python

- Syntax
- Updating
- Operations
- Methods

8. Dictionaries in Python

- Syntax
- Keys/values
- Accessing
- Methods

9. Python Conditional Statements

- If statement
- if-else
- if-elif-else
- Example Programs

10. Loops in Python

- while
- for
- break
- continue
- pass
- range

11. Functions in Python

- Creating
- Calling
- Arguments
- Variables
- Recursion
- Anonymous Functions (Lambda)

12. Generators in Python

- Creating
- Using generators
- Example program

13. Modules in Python

- Creating
- Importing
- Built-in modules

14. Exceptions & Error Handling

- Syntax errors
- Logical errors
- Try
- Except
- Finally

15. Classes & Objects

- Creating
- Attributes
- Methods
- Inheritance
- Polymorphism

16. Date & Time

- date
- time
- datetime modules

17. Regex in Python

- re module
- Common functions

18. Files in Python

- Opening, Reading
- Writing
- Closing files

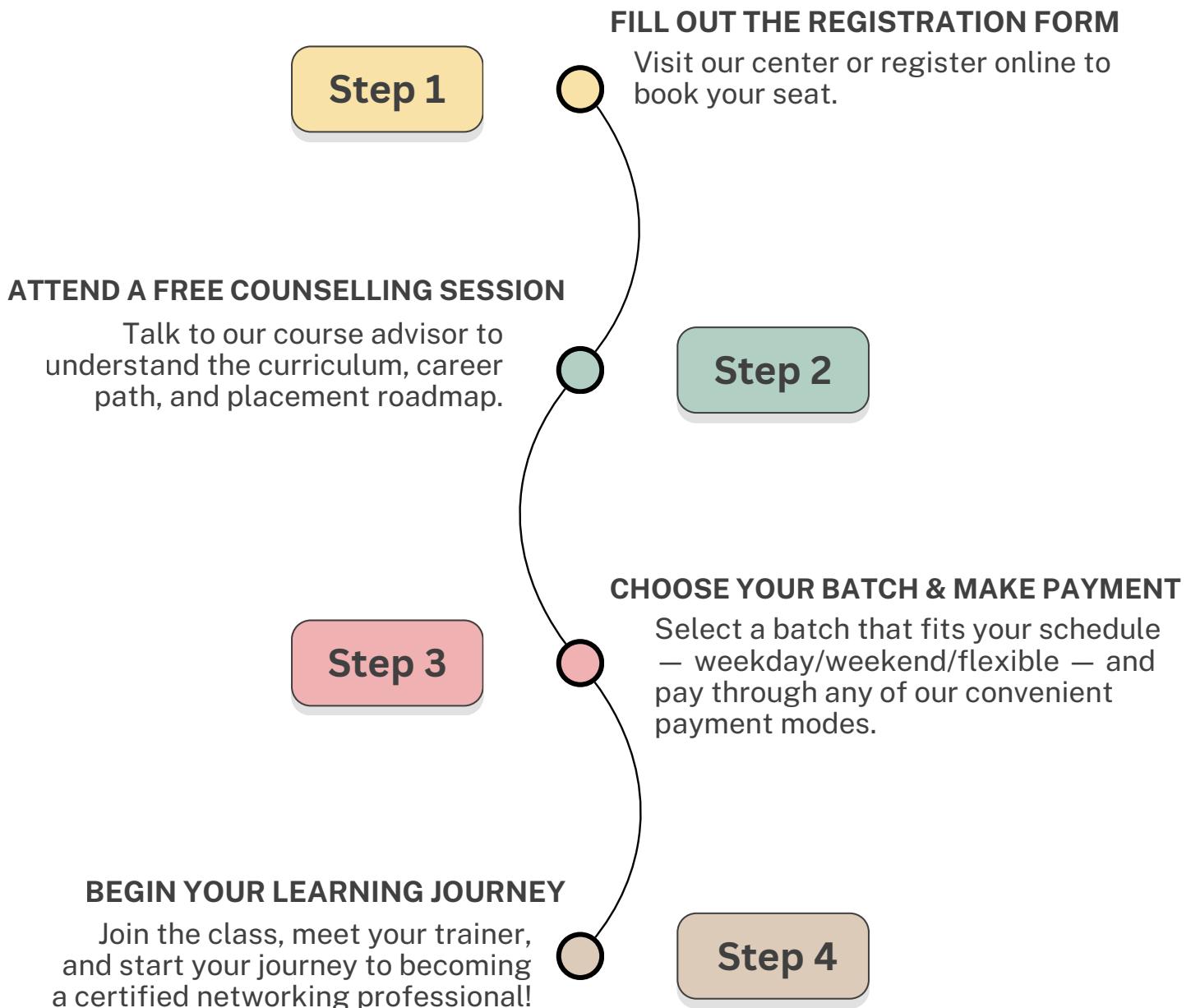
19. Exercise & Projects.

Additional Hours- Resume preparations, personality development sessions, technical round preparations and mock interview sessions. We ensure all our students from both IT and Non IT background are placed with decent package as fresher in the industry



OUR ADMISSION PROCESS

GETTING STARTED AT INNOVATIVE ACADEMY IS SIMPLE AND STUDENT-FRIENDLY



“THE SOONER YOU START, THE SOONER YOU SUCCEED.”

🤝 HOW OUR PLACEMENT TEAM SUPPORTS YOU

AT INNOVATIVE ACADEMY, PLACEMENT ISN'T AN AFTERTHOUGHT — IT'S BUILT INTO THE JOURNEY.

1 Dedicated HR Support



Get 1-on-1 guidance from our in-house HR expert to help apply for jobs, understand interview formats, and improve communication.

2 Communication & Soft Skills Training



Build confidence with regular sessions focused on speaking clearly, answering smartly, and presenting yourself professionally.

3 Daily Job Alerts in WhatsApp Group



Access exclusive job openings, walk-ins, MNC hiring drives, and company updates posted regularly in our dedicated placement group.

4 Mock Interviews & Resume Building



Practice real-world interview scenarios and get help crafting a resume that gets noticed by recruiters.

 **Resume Help**

 **Mock Interviews**

 **Job Openings**

 **HR Mentorship**

 **WhatsApp Support**

 **Communication Classes**

TESTIMONIALS

At Innovative Academy, we believe your background doesn't define your future—your determination does. Many of our students from non-technical streams like B.Com, B.A., Diploma, even Class 12, have started their journey with Python Programming—and today, they're confidently building careers in software development, data analytics, and automation across India.



Bhuvan

"The Python course was excellent, covering basics to advanced concepts clearly. Hands-on projects and real-world examples boosted my confidence. Highly recommended for beginners and professionals wanting strong programming skills."



Bhavya K

"Fantastic Python course with practical exercises and supportive mentors. I gained solid programming knowledge and problem-solving ability. Perfect balance of theory and practice, making learning enjoyable and career-focused."



Rahul B

"This Python training transformed my coding journey. The instructor explained complex topics simply, with real-life applications. Assignments and projects enhanced my skills. I feel job-ready and confident in programming."

MORE INFO

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“From zero to Java hero—your transformation starts here.”