incapp®
The CODING Institute

PYTHON
PROGRAMMING LANGUAGE

Get the skills to get ahead, stay relevant and earn more

Book your seat now

Google
Reviews 2,500+ ● Excellent

★★★★★

About INCAPP

INCAPP Coding Institute, established in 2011, was founded with the goal of addressing the global tech skills shortage. Our commitment lies in offering high-quality training programs to students, professionals, and organizations. We strive to empower individuals with coding skills, facilitating personal and professional growth, and assisting organizations in enhancing their workforce's productivity and effectiveness.

Our company boasts a team of seasoned instructors, experts in their fields. We employ the latest teaching methodologies and technologies to provide engaging and interactive training programs.

> We foster innovation and empower aspiring coders. As founders, we are excited to welcome you aboard. Whether you're new to coding or already experienced, our hands-on curriculum and expert instructors will guide you. Coding is more than just writing lines; it involves creativity and problem-solving. Embrace challenges and celebrate your successes, knowing that coding is a journey of continuous growth. Let's get started!

RAHUL CHAUHAN
Co-Founder & Instructor

PRAVEEN CHAUHAN
Co-Founder & Instructor

Oracle & Microsoft Certified

How We Help You To Learn

1 **Expert Instructors**

Top-class instructors, experts in their fields, teach through practical training.

2 **Assignments**

Understand all concepts through well-structured assignments.

3 **Doubt Resolutions**

Dedicated assistance provided to clarify doubts, featuring two types of instructors: Class Instructor and Lab Instructor.

4 **Projects**

Gain a comprehensive understanding of the technology through project work, guided by your instructor.

Why INCAPP Coding Institute

Outstanding students deserve the finest learning environment. At INCAPP, we guarantee a superior learning experience and personalized support to ensure your success.

- Top-Notch Classroom with Expert Instructor
- Comprehensive Study Materials
- Continuous Feedback and Monitoring
- Guaranteed Course Completion
- Project-Based Learning
- Course Completion Certification
- Dedicated Support for Doubt Resolution
- Placement Assistance
- Individual Attention to Each Student
- In-Class Assignment Sessions

What You Will Learn

incapp ®
The CODING Institute

PYTHON PROGRAMMING LANGUAGE

- FUNDAMENTALS
- DECISION MAKING
- LOOP CONTROLS
- FUNCTION
- MODULES & PACKAGES
- OOP CONCEPTS
- STRING
- LIST
- TUPLES
- DICTIONARY
- SETS
- EXCEPTION HANDLING
- GUI APPLICATION

PROJECT WORK

200+ ASSIGNMENTS

5 Reasons To Learn Python

Ease of Learning: Python's simple syntax makes it accessible for beginners.

Wide Applicability: Used in various fields like web development, data science, and AI.

Large Libraries and Frameworks: Rich set of libraries and frameworks for various applications.

Strong Community Support: Extensive and active community providing ample learning resources.

Career Opportunities: High demand in the job market across multiple tech sectors.

Course Overview:

Python is a great and friendly language to use and learn. Python is a versatile, high-level programming language favored for its readability and vast ecosystem of libraries. In Data Science, it is extensively used for data analysis, machine learning, and complex data visualizations due to its powerful libraries like Pandas, NumPy, and Matplotlib. Python simplifies the process of data manipulation, statistical modeling, and predictive analysis, making it a go-to tool for data scientists to extract insights and make data-driven decisions. Its ease of use and comprehensive resources make Python a popular choice for both beginners and experts in the field of Data Science.

CURRICULUM

PYTHON

Introduction to Python

- History & Features of Python
- Versions of Python
- Applications of Python
- Scripting vs Programming Language
- Interactive Mode vs Script Mode
- Installing Python
- Writing First Python Program
- Executing First Python Program using Interactive Mode
- Executing First Python Program using Script Mode
  Assignments

Python Basic

- Introduction
- Keywords
- Identifiers
- Comments
- Data Type
- Variables
- print(), type(), id() functions

- Operators
- Type conversion functions
- Receiving input from keyboard
- Working with input() function
  Assignments

Python Operators

- Assignment Operator
- Arithmetic Operator
- Short-hand Operator
- Relational Operator
- Logical Operator
- Identity Operator
- Membership Operator
- Bitwise Operator
  Assignments

Decision Making Statements

- If Statement
- If - else Statement
- Elif Statement
- Nested Decision Making Statement
  Assignments

CURRICULUM

Looping Statements

- For Loop
- While Loop
- Else with Loop
- Pass, break and continue
- Nested Loops
  Assignments

Functions

- Defining a Function
- Calling a Function
- Types of Functions
- Formal and actual Arguments
- Named and keyword arguments
- Default and Positional Arguments
- *args and **kwargs Arguments
- Local and Global Variables
- Lambda function
  Assignments

Modules & Packages

- Need of modules
- Creating a module and Importing Module
- Different ways of importing
- Working with Built-in Modules like math, sys, os, random, datetime etc.
- Creating a Package and Using a package
  Assignments

OOP Concepts

- Understanding Object Oriented Programming (OOP)
- Who created OOP's Concepts and Why?
- Learn all OOP's Concepts in real world
- Defining your own clas
- Creating object of a class
- Variables and Methods in a Class
- Instance Member
- Class Member
  Assignments

Encapsulation

- Understanding Encapsulation in Class
- Public and private access specifiers
  Assignments

Constructor & Destructor

- Syntax of Constructor
- Need of Constructor
- Creating Constructor
- Constructor with default arguments
- Destructor
  Assignments

CURRICULUM

Inheritance

- Syntax of Inheritance
- Need of Inheritance
- Derived (child) and Base (parent) classes
- Working of constructor in Inheritance
- Types of Inheritance
- Data Hiding
  Assignments

Polymorphism

- Operator Overloading
- Method Overriding
- Abstraction
    - Abstract class
    - Abstract method
- Properties
  Assignments

Python Built-in Data Types

Strings

- Creating Strings
- Strings Immutability
- String Indexing and Slicing
- String Formatting
- String Functions
- String Operators
- String Methods
- String Joining and Splitting
  Assignments

List

- Creating and Accessing Lists
- List Mutability
- List operators and methods
- Generating List using range()
- Searching in List
- User defined type List
- Converting String into List
- Converting List into String
- Nested Lists
  Assignments

Tuples

- Creating Tuple
- Tuple indexing, slicing and functions

CURRICULUM

- Tuple operators and Methods
- Nested Tuples
- Converting String and List to Tuple
- Converting Tuple to String and List
  Assignments

Dictionary

- Creating Dictionary
- Dictionary mutability
- Adding and Deleting keys value pairs
- Looping through Dictionary
- Extracting only keys and only values from Dictionary
- Creating Dictionary from List and Tuple
- Dictionary comprehension
  Assignments

Set

- Creating a Set
- Normal and frozen Set
- Creating and modify Empty Set
- Add, removing and discarding elements to Set
- Converting String, List and Tuple to Set
- Converting Set into String, List and Tuple
  Assignments

Exception Handling

- Errors and Exceptions
- Exception Handling
- Try and Except Block
- Else block with try-except block
- Finally Block
- Raising an Exception
- User-defined Exception
  Assignments

GUI Programming

- Introduction to Tkinter Programming
- Tkinter Widgets (Label, Button, Entry, ComboBox,
- RadioButton, CheckBox, ListBox, TreeView, Frame)
  Assignments

Widgets Event Handling

Project Work

Our Impact

12800+ Students Successfully Trained	**13+** Years of Experience
99% Students Recommend Us to Their People	**100%** Course Completion Rate
100+ Projects Developed	**4.9/5** Google Rating

What our students say about us

> I had learned core java, web developement, advance java from the Rahul sir and i am very grateful to him for giving us the best knowledge.

Isha

> I did web designing course by Incapp and this is the best institute in G.Noida. It has really helped me understand and feel more confident in what I am doing. Thanks Rahul sir.

Vishal Kumar

> The class is well maintained and i like what mam teaches us. We have learned programming language. Thankyou INCAPP for best coding experience.

Pratyush Mishra

> The environment of coaching is very good. Notes, PDFs, & books everything is provided. Notes are really very nice. Overall, coaching is very good.

Khushi Mundra

> Incapp is a best institute for coding, here staff is very supportive and our Praveen Chauhan Sir explain every topic very well.

Anand Kumar

> I had a fantastic learning experience at Incapp! The instructors were highly knowledgeable and skilled in their respective fields. I would highly recommend Incapp to others.

Kartik Chauhan

Our Students Are Place In

Pepcoding

FUJITSU

T.EN TECHNIP ENERGIES

VALUE CODERS

unthinkable

Ecom Express

ugam
POWERING ANALYTICS INTO ACTION

NTT DaTa

SERVOSYS

wipro

tcs

Infosys

paytm

Capgemini

cognizant

> Everyone should learn how to program a computer, because it teaches you how to think.
>
> **-   Steve Jobs**

> All of my friends who have younger siblings who are going to college or high school - my number one piece of advice is: You should learn how to program.
>
> **-   Mark Zuckerberg**

FAQ's

What are the criteria for admission?
No criteria, anybody who has an interest in coding can join.

Do you Provide Study material?
Yes, Immerse yourself in a superior learning experience with study materials meticulously crafted by our expert instructors.

Do I need to be good at maths to complete this program?
No, Only your dedication and ambition about learning is needed.

Do I get a certificate after course completion?
Yes. Upon successful completion of the course, you will be awarded a prestigious certificate that validates your achievement.

Is coding difficult?
No, it is not difficult. Coding is fun and challenging as you learn to create apps, games, websites, and lots more out of your creativity.

Are there tests/exams in the program?
Yes, In between the course, your instructor conducts the test to monitor your performance.

Courses we offer

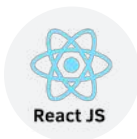|		
Java Language	Oracle Certified Foundation Associate	Data Structure & Algorithms
Spring Boot Framework	Website Development	Python Language
Data Science	Django Framework	C Language
C++ Language	CFP Coding Foundation Program	FSSD Full-Stack Software Development
React JS	Node JS	MERN

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Are you ready to transform your career?

Our course may be demanding, but the incredible transformation
you can experience will make it all worthwhile!

✓ Get In Touch

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