



PYTHON LANGUAGE

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

[Book your seat now](#)



Google
 Reviews 2,500+ • Excellent
 ★★★★★



14000+ STUDENTS TRUST US



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.

OUR SUCCESS STREAK



15 years
of training
expertise



14000+
students



Placements
in leading
organisations



Founders

“

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****PRAVEEN CHAUHAN****Oracle & Microsoft Certified****Founders & Instructors**

How We Help You To Learn



Step
1

Expert Instructors

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

Step
2

Assignments

Understand all concepts through well-structured assignments.

Step
3

Doubt Resolutions

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

Step
4

Projects

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



Why INCAPP Coding Institute

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



Trainers at INCAPP



-  **Expert in Advanced Technologies**
Trainer having in depth knowledge and expertise in advanced technologies.
-  **Excellent explanation**
Explains the concepts in easy and fun manner.
-  **Punctual and Disciplined**
Values time with punctuality and disciplined scheduling.
-  **Simplifies Complex Concepts**
Breaks down complex concepts into easy-to-understand lessons.
-  **Professional & Efficient**
Efficient and focused without wasting students' valuable time.
-  **Certified in their fields**
Certified in Python, Java, and other essential technologies skills.
-  **Years of Technical Experience**
Years of practical experience in technical projects and training.
-  **Committed to student success**
Guides students with personalized mentorship ensure students achieve their learning goals.



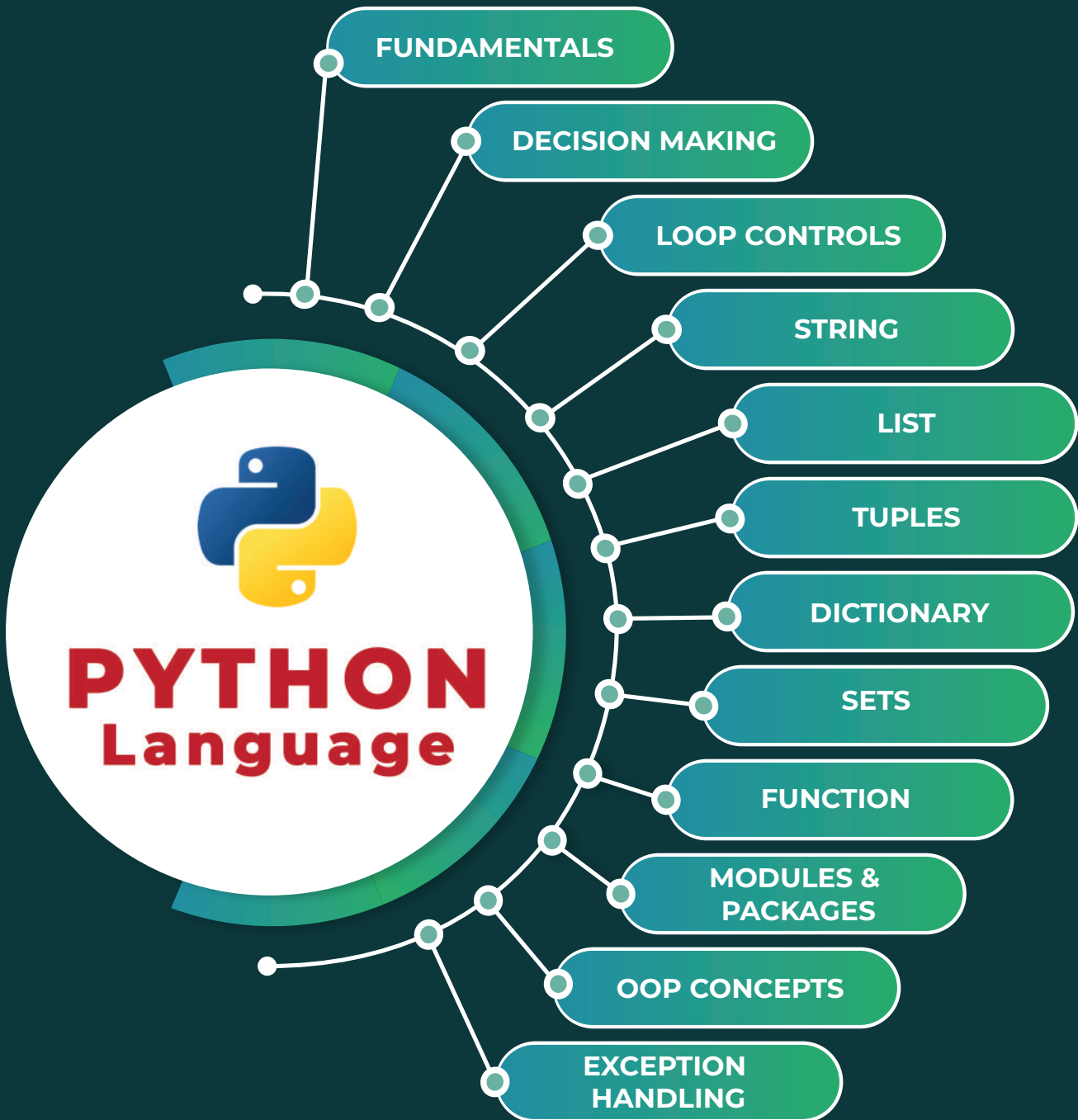
The world's leading tech companies and startups hire our students



& many more



What You Will Learn



PROJECT WORK

200+ ASSIGNMENTS



Course Overview:

Python is a great and friendly language to use and learn. Python is a versatile, high-level programming language popular for its readability and vast ecosystem of libraries. Python is extensively used for data analysis, data science, machine learning, artificial intelligence, web development and many more due to its powerful libraries like NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Tensor Flow, Django etc.

Data Analytics is the process of collecting raw data, organizing data, manipulating data, analyzing data and visualizing data to find meaningful and deep insights from data which can be then used to make right decisions about business. A data analyst will collect raw data, organize it and then analyze and visualize it to transform data into intelligible data.

Python is widely used for data analysis due to its powerful libraries like NumPy, Pandas, Matplotlib and Seaborn. Python simplifies the process of data manipulation, data processing, data analysis and data visualization which makes it a go-to language for data analysts 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 Analytics.



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

Getting Started with Python

- Comments
- Keywords and Identifiers
- Data Types
- Variables
- print(), type(), id() Functions
- Operators
- Type Conversion Functions
- Receiving Input from Keyboard
- Working with input() Function

Assignments

Python Operators

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

Assignments

Decision Making Statements

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

Assignments

Loop Statements

- For Loop Statement
- While Loop Statement
- Break, continue and pass Statements
- Else with Loop Statement
- Nested Loops Statement

Assignments

Python Collections Types

Strings

- Creating Strings
- Strings Immutability
- Indexing and Slicing in Strings
- Formatting a String
- Functions on String
- String Operators
- String Methods

Assignments

List

- Creating Lists
- Generating List using range() Function
- List Mutability
- Functions on List
- List Operators
- Indexing and Slicing in List
- List Methods
- Pre-defined Type List
- User-defined Type List
- Converting String into List
- Converting List into String
- Nested Lists
- List Comprehension
- Using map() and filter() Functions on List

Assignments

Tuples

- Creating Tuple
- Generating Tuple using range() Function
- Functions on Tuple
- Tuple Operators
- Indexing and Slicing in Tuple
- Tuple 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 and 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

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
- Global Keyword
- Recursion and Recursive Function
- Anonymous Function

Assignments



Modules and Packages

- Understanding Modules and Packages
- Creating a Module and Importing the Module
- Different ways of Importing Modules
- Working with Built-in Modules like math, sys, os, random, datetime etc.
- Creating a Package and Using the Package

Assignments

Object Oriented Programming in Python

- Understanding Object Oriented Programming (OOP)
- Who created OOP's Concepts and Why?
- Learn all OOP's Concepts in real world
- Defining your Own Class
- Creating Object of the given Class
- Defining Variables and Methods inside a Class
- Instance Members
- Class Members

Assignments

Constructor & Destructor

- Introduction to Constructor
- Need of Constructor
- Defining Constructor
- Constructor with Default Arguments
- Introduction to Destructor
- Need of Destructor
- Defining Destructor

Assignments

Inheritance

- Understanding Inheritance
- Need of Inheritance
- Syntax of Inheritance
- Understanding Derived (child) and Base (parent) Classes
- Working of Constructor in Inheritance
- Types of Inheritance
- Data Hiding

Assignments



Polymorphism

- Understanding Polymorphism
- Need of Polymorphism
- Operator Overloading
- Method Overriding

Assignments

Abstraction

- Understanding Abstraction
- Need of Abstraction
- Achieving Abstraction
 - Abstract class
 - Abstract method

Assignments

Encapsulation

- Understanding Encapsulation and Its Need
- Public, Private and Protected Access Specifiers
- Getter and Setter Methods
- Properties

Assignments

Exception Handling

- Errors and Exceptions
- Exception Handling
- Try and Except Block
- Else block with Try and Except block
- Finally Block
- Raising an Exception
- Custom Exception

Assignments

Project Work



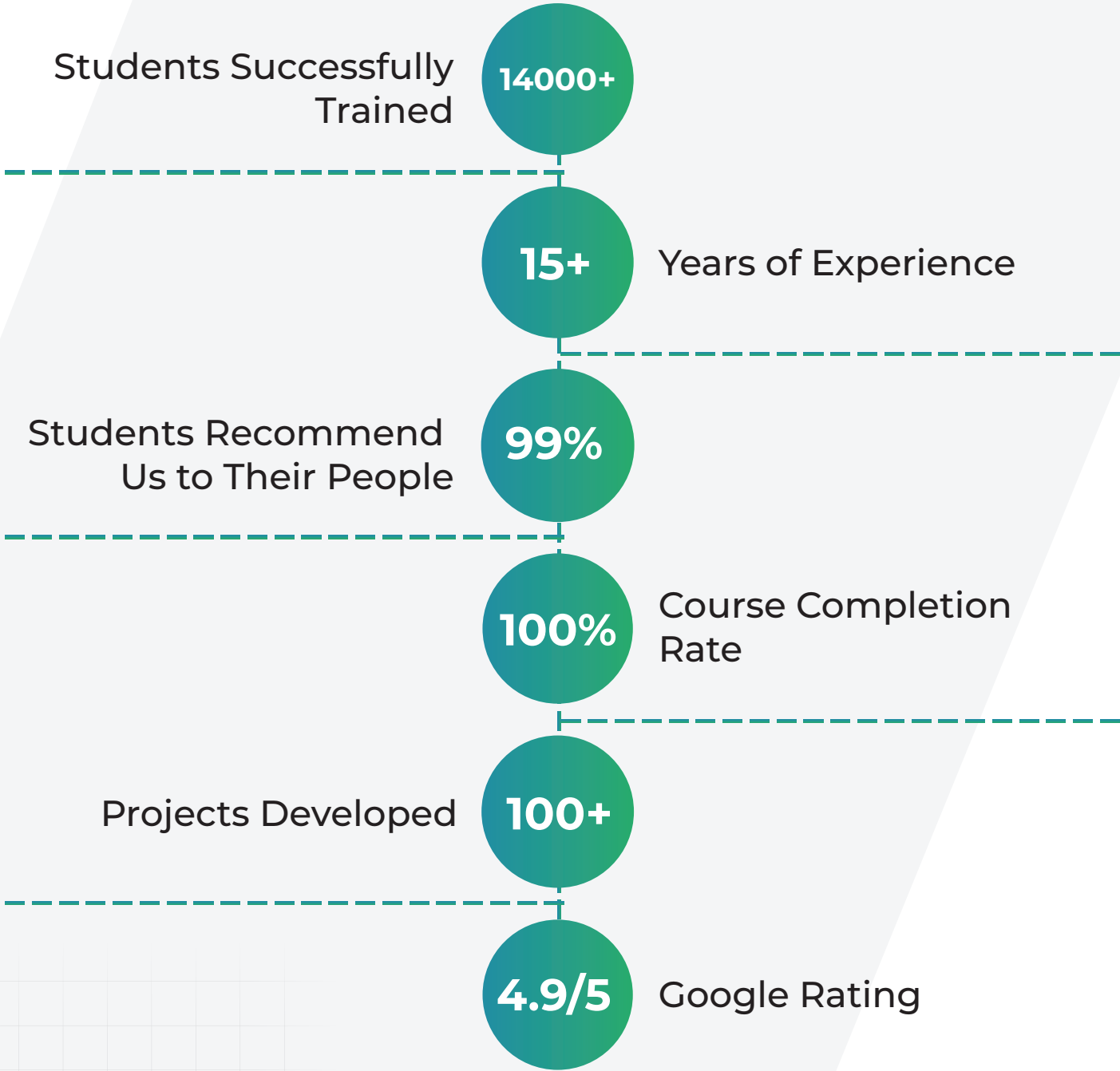
Certificates



Upon completion of Course/Program, you will receive certificate from Incapp. This certificate validates your skills as an expert in the technology.



Our Impact



What our students say about us



Satyam Kumar

2 reviews · 1 photo



a week ago

NEW

Your teaching in Java Technology has been truly exceptional. Your deep expertise, clear explanations, and practical examples have significantly enhanced my understanding of the subject. Thank you for your dedication and for making learning Java so engaging and enjoyable.



Rajan Roy

Local Guide · 19 reviews · 12 photos



a week ago

NEW

I have completed the Java Core and DSA with Java courses from Incapp. Rahul Sir taught us coding in a very clear and understandable manner. The teaching style was easy to follow. Additionally, Incapp offers numerous backup classes and doubt-clearing sessions. The faculty at Incapp are very helpful and always available to solve any problems you may have. I definitely recommend Incapp if you want to grow, improve your skills, and achieve your dreams. Thank you



Jyoti Maurya

1 review



2 weeks ago

NEW

By choosing this platform is blessing for me. It is just amazing and interesting to learn here don't be late. It's totally a worth decision to boost your knowledge. And this place is very safe and secure especially for girls so don't be concerned about safety and location.



Yuvesh kasana


1 review



3 months ago


I just wanted to express my gratitude for the excellent coaching sessions you've been providing for Java. Your teaching style is incredibly clear and effective, making complex concepts easy to understand. I appreciate your patience in addressing all of my questions and your willingness to provide additional resources for further learning. Thanks to your guidance, I feel much more confident in my Java skills and excited to continue improving. Keep up the fantastic work!

What our students say about us

 **Anoop Shankar**
1 review ⋮


★★★★★ 2 months ago

Being the student of INCAPP is the best start to be the best in your field. Rahul Sir himself is mentoring many of us so that we as a developer will lead the IT sector. Here in INCAPP each one of you will be nurtured for the better future.

 **bulbul Dwivedi**
2 reviews ⋮


★★★★★ 3 months ago

Incapp excellent communication skills with students A great review of python course essentials for programming in Incapp & a better understanding of coding, testing & applying style guidelines as per thoroughly given by instructor Mr. Praveen Chauhan

 **Tanu Kumari**
2 reviews ⋮

★★★★★ 11 months ago

The coaching provided by Incapp for Web designing was exceptional.
The coach's expertise in Java was evident throughout the coaching sessions.
The coaching style was effective in breaking down complex concepts into easily understandable parts.
The coach provided clear explanations and examples, making it easier to grasp.
Overall, I am highly satisfied with the coaching provided by Incapp for Web designing.

 **Aditya Kaushik**
1 review ⋮

★★★★★ a week ago **NEW**

I did Core Java and data. Structure and algorithm. Algorithm In Incapp. by "Rahul chauhan "Sir It has really helped me understand.. the Care Concept in my Course and I fell more Confident in what I am doing Thanks Rahul chauhan

& many more



Courses we offer

▶▶▶▶▶

JAVA
FULL STACK
DEVELOPMENT

PROGRAM



▶▶▶▶▶

PYTHON
FULL STACK
DEVELOPMENT

PROGRAM



▶▶▶▶▶

WEB
FULL STACK
DEVELOPMENT

PROGRAM



▶▶▶▶▶

C & C++
LANGUAGE




▶▶▶▶▶

JAVA
LANGUAGE



▶▶▶▶▶

**DATA STRUCTURE
& ALGORITHMS**
USING JAVA



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**JAVA
BACKEND**
(Adv. Java & Spring & Hibernate Framework)



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OCFA JAVA
CERTIFICATION



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OCP JAVA
CERTIFICATION



▶▶▶▶▶

PYTHON
LANGUAGE



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**PYTHON &
DATA ANALYTICS
WITH GENERATIVE AI**



▶▶▶▶▶

DJANGO
FRAMEWORK



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**WEB
DEVELOPMENT**



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**ADVANCED
WEB FRONT END
(React JS)**



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**WEB
BACK END**
(Node JS & MongoDB & Express JS)






Are you ready to elevate your career?

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Alpha I, Greater Noida, UP

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