incapp
The CODING Institute

Data Analytics

AI

DATA ANALYTICS WITH GENERATIVE AI

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

Book your seat now

Google
Reviews 2,500+ • Excellent

MSME

15+ YEARS EXPERIENCE

CERTIFIED ISO 9001:2015 COMPANY

14000+ STUDENTS TRUST US

Pearson VUE Authorized Test Center

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

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
Trianer having in depth knowledge and expertise in advanced technologies.

Excellent explaination
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 gols.

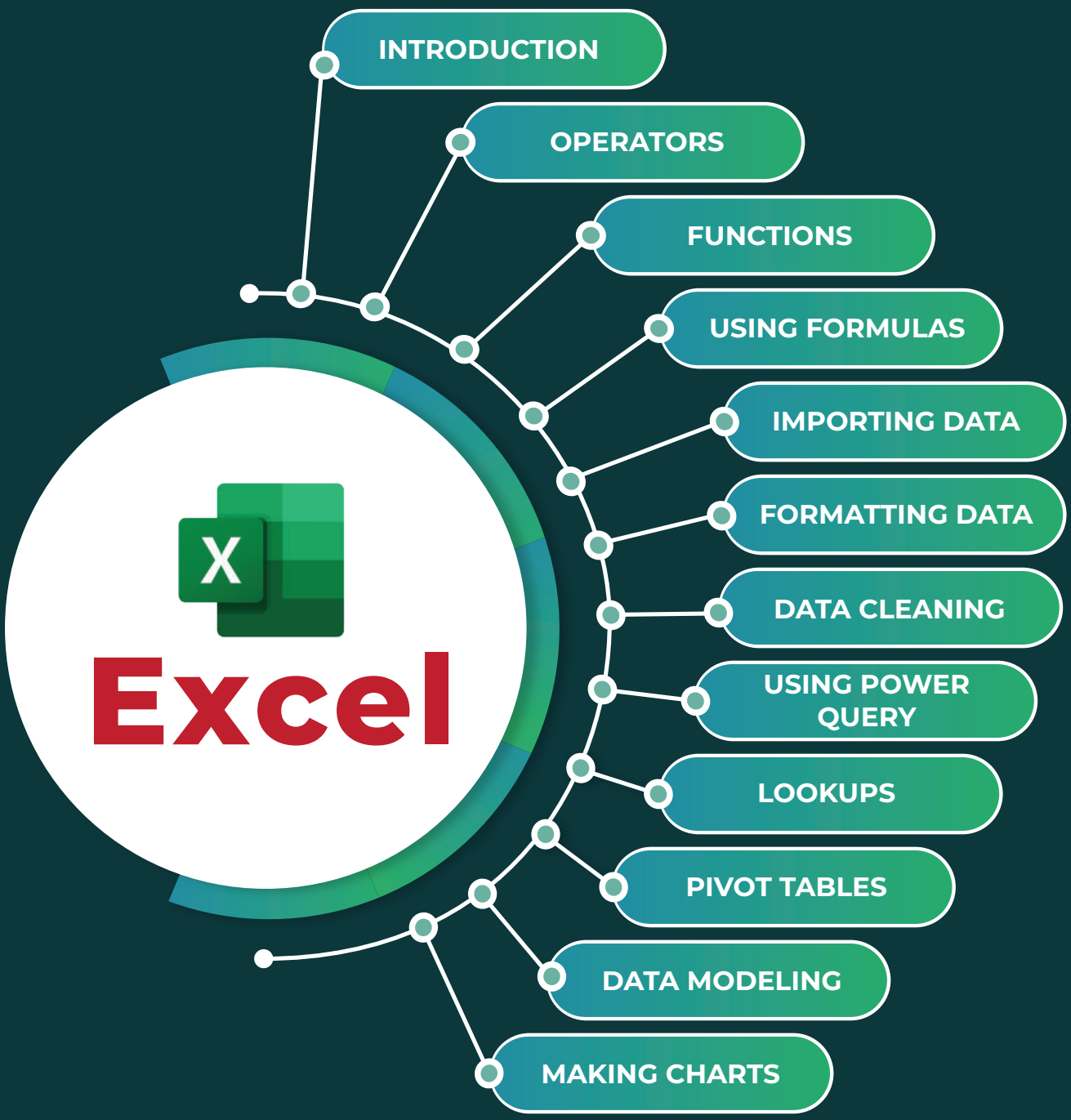
The world's leading tech companies and startups hire our students

& many more

What You Will Learn

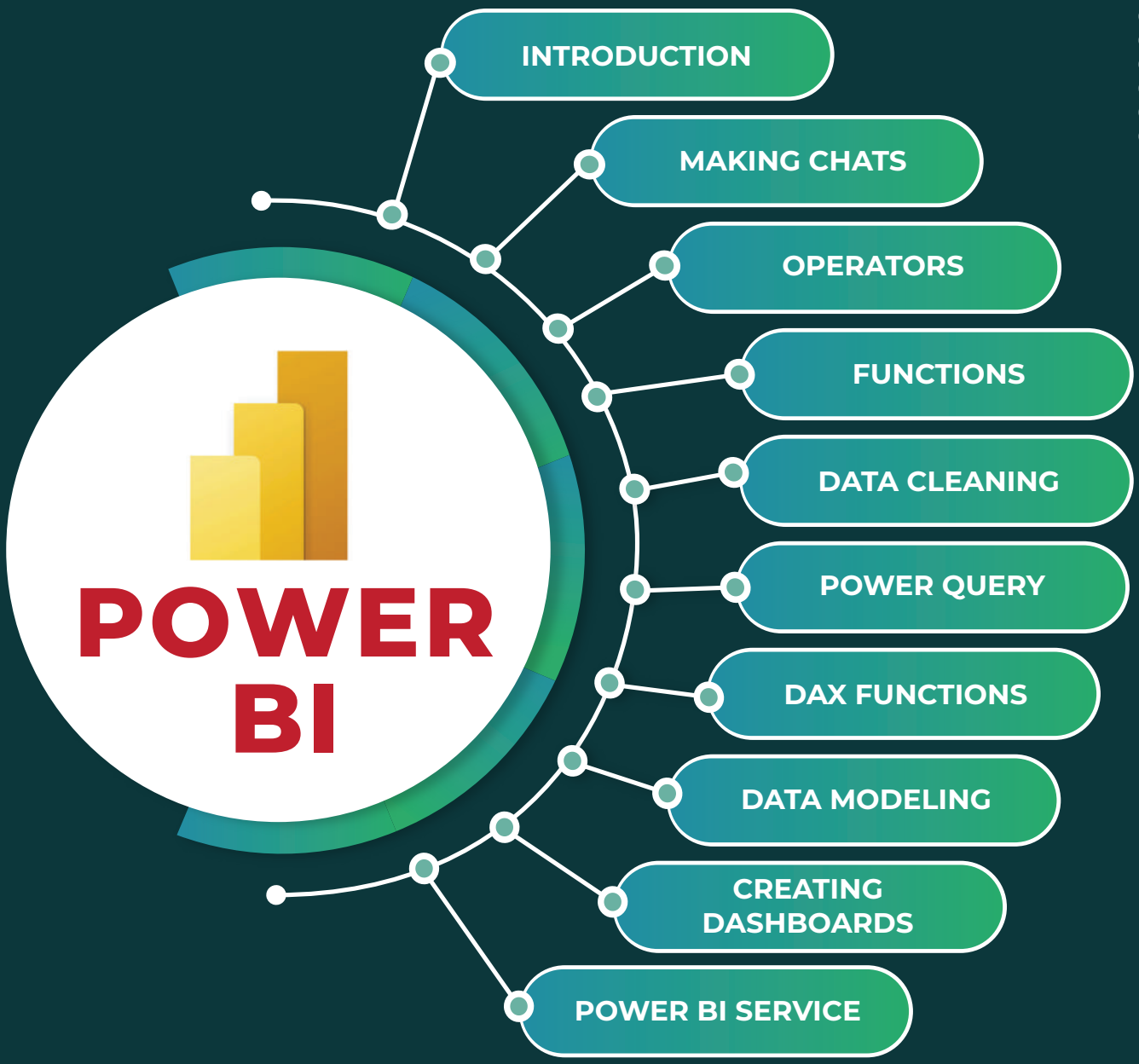
PROJECT WORK

What You Will Learn



PROJECT WORK

What You Will Learn



PROJECT WORK

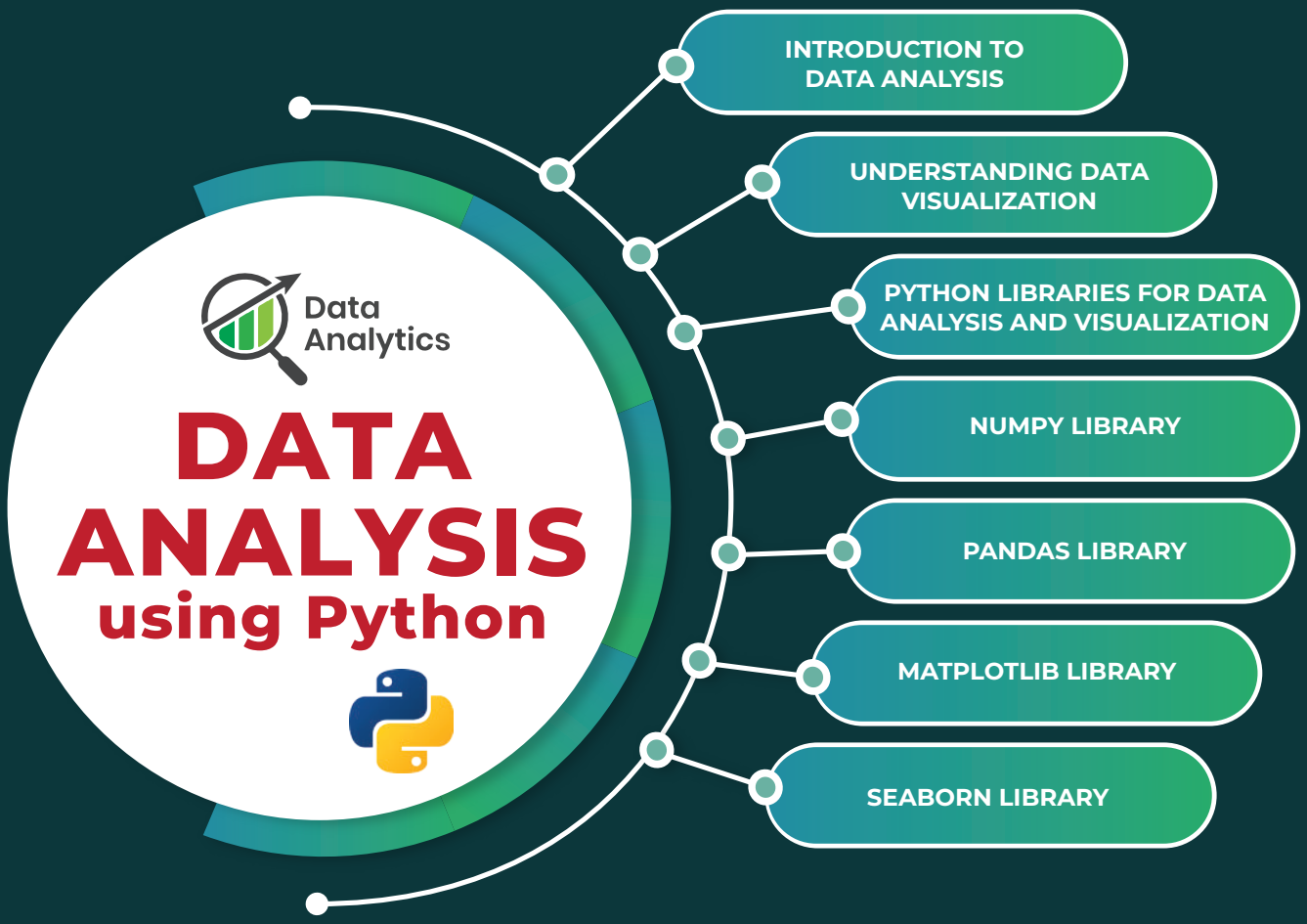
What You Will Learn

- WHAT IS PROGRAMMING
- FUNDAMENTALS OF PROGRAMMING
- DECISION MAKING
- LOOP CONTROLS
- STRING
- LIST
- TUPLES
- DICTIONARY
- SET
- FUNCTION
- MODULES & PACKAGES

PROJECT WORK

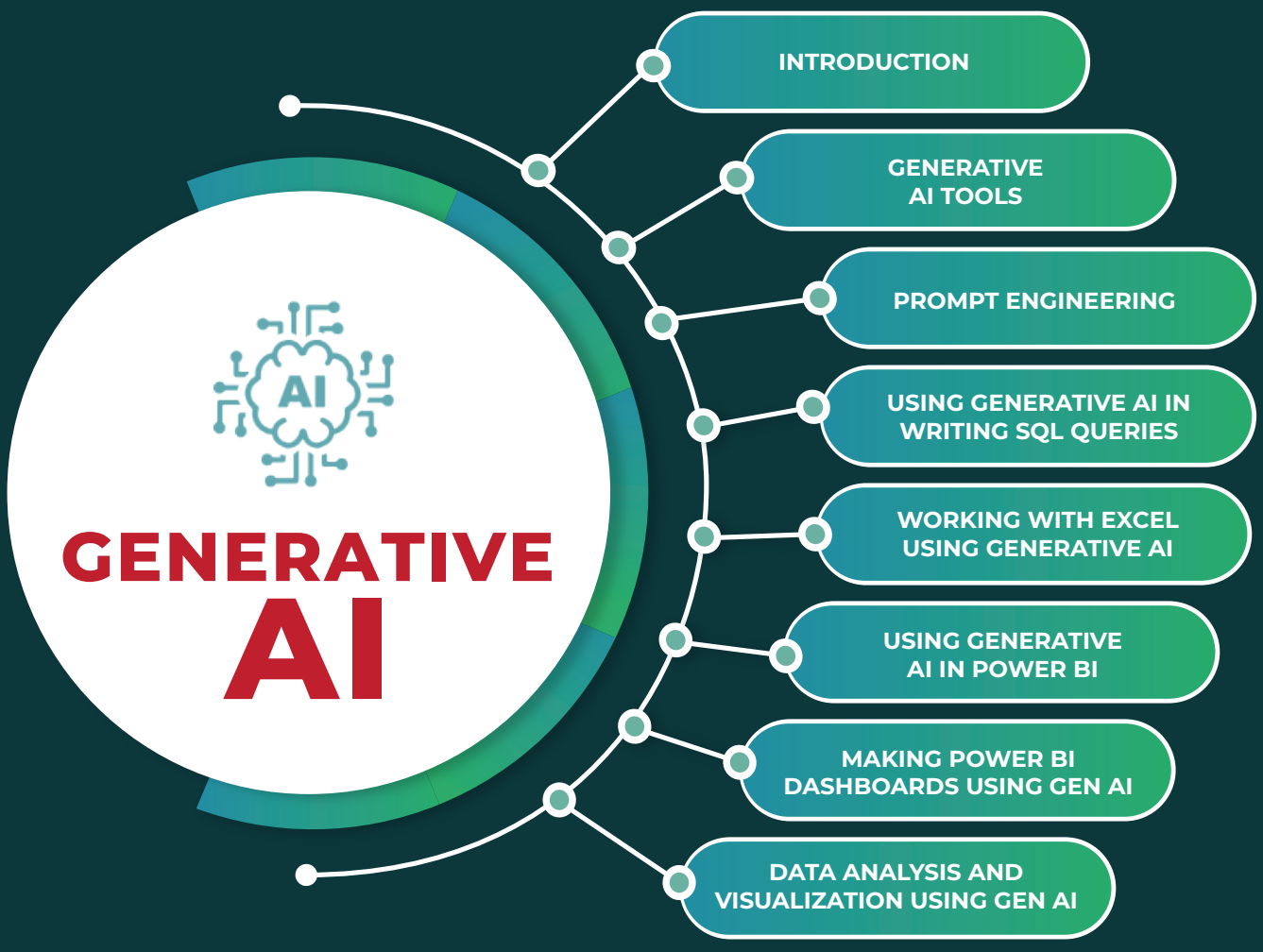
200+ ASSIGNMENTS

What You Will Learn



PROJECT WORK

What You Will Learn



PROJECT WORK

5 Reasons to learn Python & Data Analytics

- **Ease of Learning:** Python's simple syntax makes it accessible for beginners.
- **Wide Applicability:** Used in various fields like data analysis, web development, data science, AI and many more.
- **High Demand in the Job Market:** Python skills are highly sought after in many tech industries.
- **Versatility in Data Handling:** Python excels in handling various types of data, which is crucial for data analysis.
- **Rich Libraries for Data Analysis:** Offers powerful libraries like Numpy, Pandas, Matplotlib and Seaborn for data analysis.

CURRICULUM

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.

CURRICULUM

Data Analytics

Introduction to Data Analytics

- What is Data Analytics?
- Why Data Analytics?
- Difference between Data Analytics and Data Science
- Applications of Data Analytics
- Scope of Data Analytics
- What is Data Collection?
- What is Data Cleaning?
- What is Data Analysis?
- Tools required for Data Analytics

Data Analytics using SQL

- Understanding SQL, Databases and Tables
- Understanding MySQL
- Downloading and Installing MySQL
- Types of SQL Commands: DDL, DML and DQL Commands
- DDL Commands: create database query, create table query, drop database query, drop table query, alter table query
- DML Commands: insert query, update query, delete query
- DQL Commands: select query, select distinct queries, select where, order by, group by, having queries, select limit, operators in select query
- SQL Constraints: not null, unique, check, primary key
- SQL Keys: Unique, Primary, Foreign, Composite and Candidate
- SQL Functions: count(), sum(), avg(), min() and max()
- Data and Time Functions in SQL
- Writing Conditional Queries
- Writing Subqueries in SQL
- SQL Joins: Inner Join, Left Join, Right Join, Full Join, Self Join, Cross Join
- Window Functions
- Stored Procedures
- Triggers
- Common Table Expressions
- Creating Views and Indexes.

Project Work

Data Analytics using Excel

- Understanding Excel
- Downloading and Installing Excel
- Operators and Functions in Excel
- Formatting Data in Excel
- Importing Data in Excel
- Data Cleaning in Excel

CURRICULUM

- Handling Missing Values
- LOOKUPs in Excel
- Pivot Table in Excel
- Data Modeling in Excel
- Data Analysis in Excel
- Making Charts in Excel
- Understanding Power Query
- Transforming Data in Power Query

Project Work

Data Visualization using Power BI

- Understanding Power BI
- Downloading and Installing Power BI
- Basic Functionalities of Power BI
- Making Charts in Power BI
- Power BI Operators and Functions
- Data Cleaning in Power BI
- Data Transformations using Power Query
- DAX Functions in Power BI
- Data Modelling in Power BI
- Visualizing Data using Power BI
- Making Reports and Dashboards in Power BI
- Understanding Power BI Service
- Using Power BI Service

Project Work

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

Getting Started with Python

- Using print() Function to print Messages
- Comments
- Keywords and Identifiers
- Data Types
- Variables
- Using print() Function to print Data
- Python Operators
- Type Casting
- Receiving Input from Keyboard
- Working with input() Function

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

CURRICULUM

Python Collections Types

Strings
- Creating Strings
- Indexing and Slicing in Strings
- String Operators and Functions
- String Methods

Assignments

List
- Creating Lists
- List Operators and Functions
- Indexing and Slicing in List
- List Methods
- Converting String into List
- Converting List into String
- Nested Lists

Assignments

Tuples
- Creating Tuple
- Functions and Operators on Tuple
- 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
- Adding and Deleting Keys and Value Pairs
- Looping through Dictionary
- Extracting only Keys and only Values from Dictionary
- Creating Dictionary from List and Tuple

Assignments

Set
- Creating a Set
- Add, Removing and Discarding elements to Set
- Converting String, List and Tuple to Set
- Converting Set into String, List and Tuple

Assignments

CURRICULUM

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
- Anonymous Function

Assignments

Modules Programming

- 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.

Assignments

Exploratory Data Analysis (EDA) using Python Libraries

- Introduction to Python Libraries for Exploratory Data Analysis (EDA)
- Introduction to Jupyter Notebook
- Downloading and Installing Anaconda
- Writing and Executing First Python Program in Jupyter Notebook
- Using Code Mode, Markdown Mode and Raw Mode of Jupyter Notebook

Numpy Library

- What is Numpy Library?
- Understanding Need of Numpy Library
- What is a Numpy Array?
- Types of Numpy Arrays
- Creating Numpy Arrays
- Working with Numpy Array Properties
- Indexing and Slicing in Numpy Arrays
- Arithmetical Operations on Numpy Arrays
- Scalar Operations on Numpy Arrays
- Relational Operations on Numpy Arrays
- Logical Operations on Numpy Arrays
- Aggregation Functions on Numpy Array
- Filtering Functions on Numpy Array

Project Work

CURRICULUM

Pandas Library

- What are Pandas?
- Types of Pandas Data Structures
- Creating Series
- Creating DataFrame
- Indexing and Slicing in Series
- Indexing and Slicing in DataFrame
- Adding New Rows and Columns in DataFrame
- Removing Existing Rows and Columns in DataFrame
- Finding Missing Values in DataFrame
- Replacing and Removing Missing Values in DataFrame
- Reading Data from CSV File into DataFrame
- Writing Data to CSV File from DataFrame
- Exploratory Data Analysis (EDA) using Pandas Library

Project Work

Matplotlib Library

- What is Data Visualization?
- Understanding Need of Data Visualization
- What is Matplotlib?
- Plotting Line Plots using Matplotlib
- Plotting Bar Plots using Matplotlib
- Plotting Histograms using Matplotlib
- Plotting Pie Charts using Matplotlib
- Customizing Plots using Matplotlib

Project Work

Seaborn Library

- What is the Seaborn Library?
- Comparison of Matplotlib and Seaborn Libraries
- Plotting Line Plots using Seaborn
- Plotting Bar Plots using Seaborn
- Plotting Histograms using Seaborn
- Customizing Plots using Seaborn
- Plotting Distribution Plots using Seaborn
- Plotting Categorical Plots using Seaborn

Project Work

CURRICULUM

Generative AI

- Understanding Generative AI
- Applications of Generative AI
- Tools for working with Generative AI
- Understanding Techniques for Prompt Engineering for writing effective prompts
- Generative AI for Data Analysis and Visualization: Prompting, Summarization and Best Practices.
- Generative AI for SQL Queries: Prompting, Debugging and Optimization.
- Using Generative AI in Excel for Data Processing and Automation.
- Using Generative AI in making Power BI Dashboard.

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

Students Successfully Trained — 14000+

15+ Years of Experience

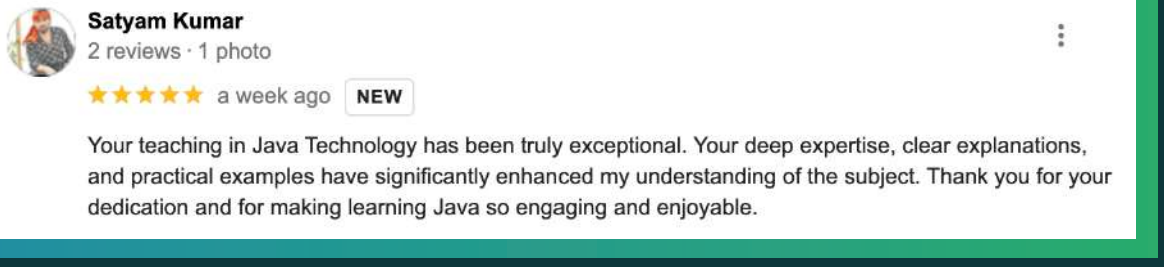
Students Recommend Us to Their People — 99%

100% Course Completion Rate

Projects Developed — 100+

4.9/5 Google Rating

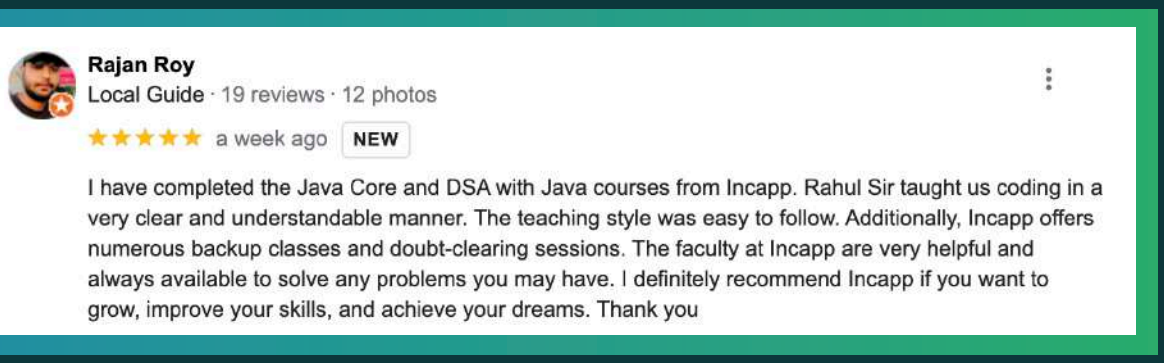
What our students say about us



Satyam Kumar
2 reviews · 1 photo

★★★★★ a week ago NEW

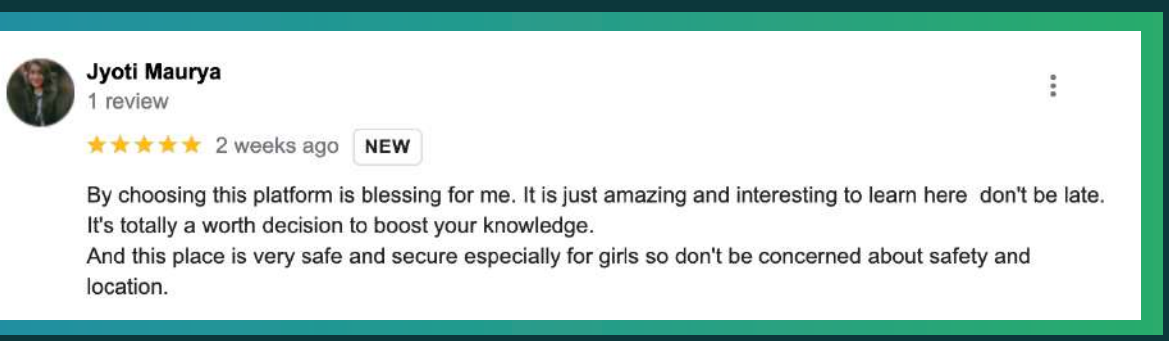
Your teaching in Java Technology has been truly exceptional. Your deep expertise, clear explanations, and practical examples have significantly enhanced my understanding of the subject. Thank you for your dedication and for making learning Java so engaging and enjoyable.



Rajan Roy
Local Guide · 19 reviews · 12 photos

★★★★★ a week ago NEW

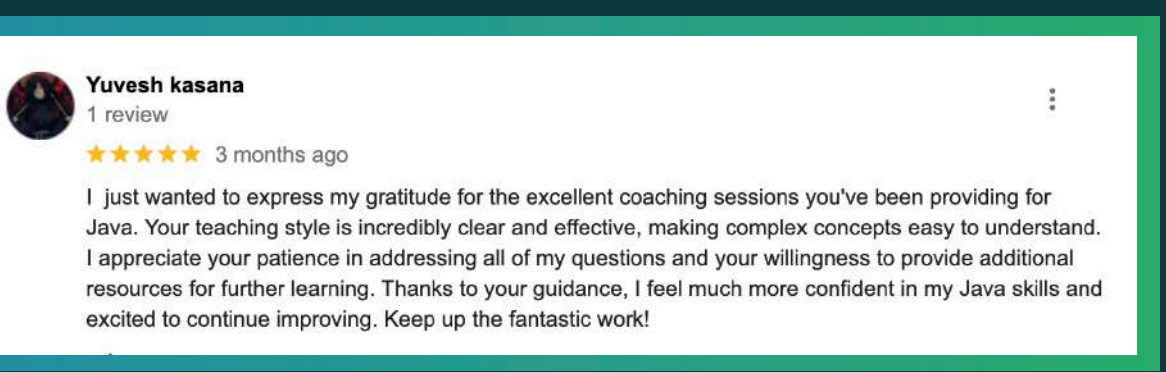
I have completed the Java Core and DSA with Java courses from Incapp. Rahul Sir taught us coding in a very clear and understandable manner. The teaching style was easy to follow. Additionally, Incapp offers numerous backup classes and doubt-clearing sessions. The faculty at Incapp are very helpful and 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!

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

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

OCFA JAVA CERTIFICATION

OCP JAVA CERTIFICATION

PYTHON LANGUAGE

PYTHON & DATA ANALYTICS WITH GENERATIVE AI

DJANGO FRAMEWORK

WEB DEVELOPMENT

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

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

incapp
The CODING Institute

Are you ready to elevate your career?

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Alpha I, Greater Noida, UP

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