

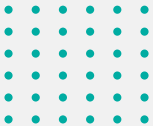


DATA SCIENCE

DATA SCIENCE USING PYTHON

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

Book your seat now



Google Reviews 2,500+ • Excellent



12800+ 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.

“

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!

”

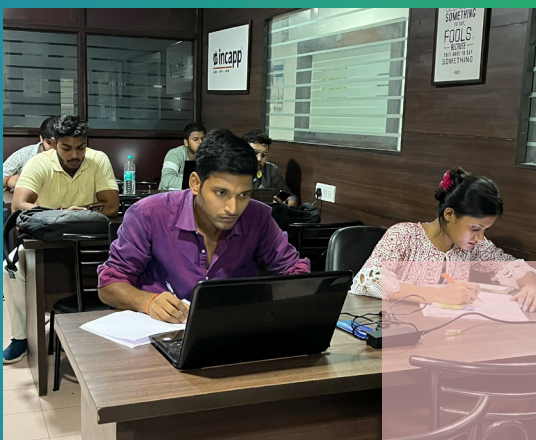
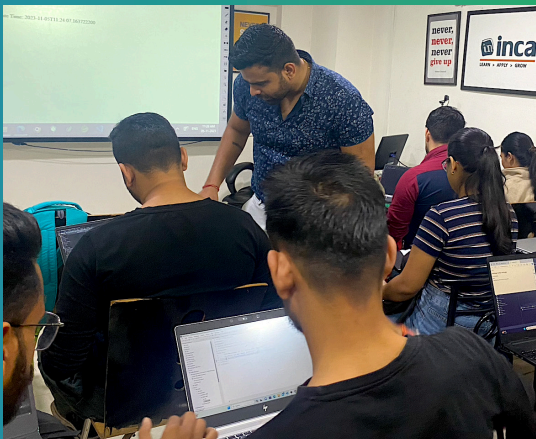
RAHUL CHAUHAN
Co-Founder & Instructor

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



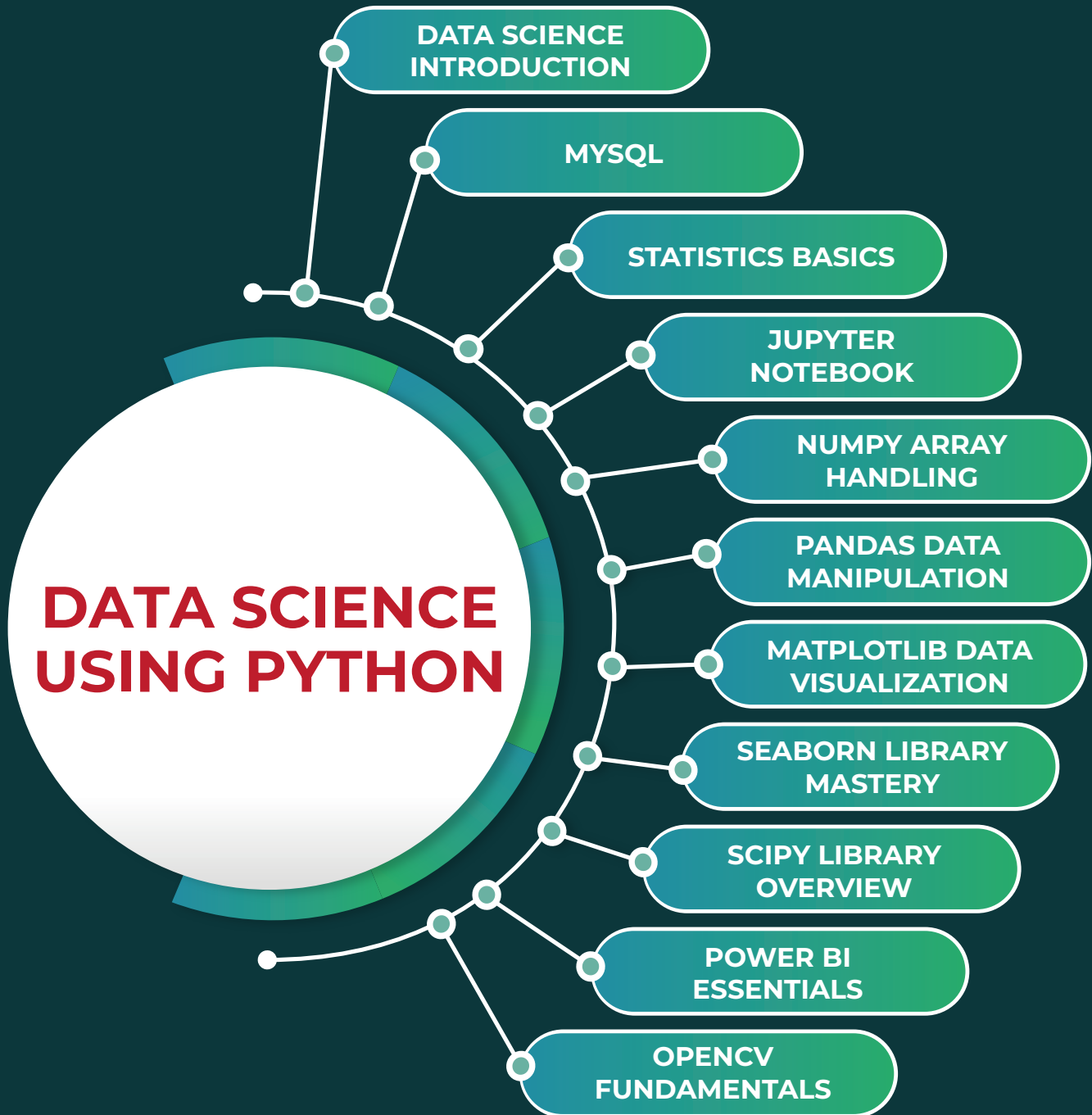
Individual Attention to Each Student



In-Class Assignment Sessions



What You Will Learn



PROJECT WORK



5 Reasons To Learn Data Science



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.



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, crucial for data science.



Rich Libraries for Data Analysis: Offers powerful libraries like Pandas and NumPy for data analysis.



Course Overview:

Data Science using Python is a very popular course. It allows Python Programmers to extract deep knowledge from huge amounts of data. It provides the necessary skills to analyze and visualize the complex data.

Data Science



Introduction to Data Science

- What is Data Science?
- Why Data Science?
- Applications of Data Science
- Scope of Data Science
- Introduction to Libraries for Data Science
- Tools required for Data Science

MY-SQL

- Introduction to MY-SQL
- Installing MYSQL
- DML, DDL, & DQL Commands
- Constraints:
 - NOT NULL, NULL, UNIQUE
 - Introduction to Keys in SQL
 - Primary Key
 - Unique Key
 - Foreign Key
 - Composite Key
 - Candidate Key
 - CHECK ,DEFAULT
- SQL Commands
 - DDL (Data Definition Language)
 - CREATE
 - CREATE DATABASE
 - CREATE TABLE
 - CREATE INDEX
 - CREATE VIEW
 - CREATE SCHEMA



- ALTER
 - ALTER TABLE
 - ALTER INDEX
- DROP
 - DROP TABLE
 - DROP DATABASE
 - DROP INDEX
 - DROP VIEW
 - DROP SCHEMA
- TRUNCATE
 - TRUNCATE TABLE
- DQL (Data Query Language)
 - SELECT
 - SELECT *
 - SELECT column1, column2, ...
 - SELECT DISTINCT
 - SELECT ... FROM ... WHERE ...
 - SELECT ... FROM ... ORDER BY ...
 - SELECT ... FROM ... GROUP BY ...
 - SELECT ... FROM ... HAVING ...
 - SELECT ... FROM ... JOIN ...
 - FETCH
 - FETCH NEXT
- DML (Data Manipulation Language)
 - INSERT
 - INSERT INTO
 - UPDATE
 - UPDATE ... SET ...
 - DELETE
 - DELETE FROM ... WHERE ...
 - LIKE Operator
 - WHERE column_name LIKE pattern
 - JOINS
 - INNER JOIN
 - LEFT JOIN
 - RIGHT JOIN
 - FULL JOIN
 - CROSS JOIN
 - SELF JOIN



- MySQL Functions
 - Aggregate Functions
 - COUNT()
 - SUM()
 - AVG()
 - MIN()
 - MAX()
 - String Functions
 - CONCAT()
 - SUBSTRING()
 - LENGTH()
 - UPPER()
 - LOWER()
 - Date and Time Functions
 - NOW()
 - DATE()
 - TIME()
 - YEAR()
 - MONTH()
 - DAY()
 - HOUR()
 - MINUTE()
 - SECOND()

Statistics

- What is Statistics?
- Why Statistics?
- Mean, Median and Mode
- Standard Deviation and Variance
- Normal Distribution

Jupyter Notebook Setup

- Understanding Jupyter Notebook
- Downloading and Installing the Anaconda
- Creating Document in Jupyter Notebook
- Writing and Executing Python in Jupyter Notebook
- Using the Code Mode of Jupyter Notebook
- Using the Markdown Mode of Jupyter Notebook
- Using the Heading Mode of Jupyter Notebook



Mastery in Numpy Library

- Introduction to Numpy
- Creating One-dimensional Numpy Arrays
- Indexing and Slicing in One-dimensional Numpy Array
- Operations on One-dimensional Numpy Array
- Creating Multi-dimensional Numpy Arrays
- Indexing and Slicing in Multi-dimensional Numpy Array
- Operations on Multi-dimensional Numpy Array
- Difference between Numpy Array and List
- Finding time complexity of Numpy Array and List
- Finding space complexity of Numpy Array and List

Panda Library

- Introduction to Pandas
- Understanding Series and DataFrame
- Series
 - Creating Series from List
 - Creating Series from Dictionary
 - Indexing and Slicing in Series
- DataFrame
 - Creating DataFrame from List
 - Creating DataFrame from Dictionary
 - Creating DataFrame from Series
 - Indexing and Slicing in DataFrame
 - Looping through DataFrame
 - Removing Rows and Columns from DataFrame
 - Sorting Data in DataFrame
 - Finding Missing values in DataFrame
 - Removing Missing values in DataFrame
 - Data Manipulation in DataFrame
 - Exploratory Data Analysis in DataFrame
 - Merging DataFrame
 - Data Encoding in DataFrame
 - One Hot Encoding in DataFrame
 - Working with Dates and Times Data in DataFrame
 - Working with Real-time data using Pandas
- Data Cleaning in DataFrame
 - Replacing Missing values in DataFrame
 - Data Encoding in DataFrame
 - One Hot Encoding in DataFrame



- Data Import and Export
 - Reading Data from CSV files
 - Writing Data to CSV files
 - Reading Data from Excel files
 - Writing Data to Excel files
 - Reading Data from SQL databases
 - Writing Data to SQL databases
 - Reading Data from JSON files
 - Writing Data to JSON files
 - Reading Data from HTML files
 - Writing Data to HTML files
- Advanced Operations
 - Integration with NumPy
 - Integration with matplotlib for visualization
 - Integration with seaborn for advanced visualization

Plotting and Visualization - Matplot Library

- Introduction to Matplotlib
- Understanding Matplotlib's Architecture
- Basic Plotting
 - Line Plot
 - Scatter Plot
 - Bar Plot
 - Histogram
 - Pie Chart
- Customizing Plots
 - Adding Titles and Labels
 - Changing Colors and Styles
 - Adding Legends
 - Setting Axis Limits
 - Adding Gridlines
 - Annotating Plots
- Subplots
 - Creating Subplots
 - Customizing Subplots
 - Sharing Axis Limits
- Advanced Plotting
 - 3D Plotting
 - Polar Plot
 - Contour Plot



- Heatmap
- Box Plot
- Saving and Exporting Plots
 - Saving Plots as Image Files
 - Exporting Plots to PDF
- Integration with Pandas
 - Plotting Pandas DataFrames
 - Customizing Pandas Plots
- Interactive Plotting
 - Adding Interactivity with Widgets
- Working with Multiple Figures
 - Managing Multiple Figures
 - Saving Multiple Figures

Seaborn Library

- Introduction to Seaborn Library
- Styling Functions
- Color Pallets
- Distributed Plots
- Categorical Plots

SciPy Library

- Introduction to SciPy
- Creating Functions
- Models of SciPy

Power BI Essentials

- Introduction to Power BI
 - What is Power BI?
 - Why use Power BI?
 - Power BI Components Overview
 - Power BI Desktop
 - Power BI Service
 - Power BI Mobile
 - Getting Started with Power BI Desktop
 - Downloading and Installing Power BI Desktop
 - Interface Overview
 - Loading Data
 - Building Visualizations



- Power BI Basics
 - Data Sources
 - Excel
 - Databases (SQL Server, MySQL, etc.)
 - Web Data Sources
 - Data Transformation
 - Cleaning and Shaping Data
 - Data Modeling
 - Creating Basic Visualizations
 - Bar Charts
 - Line Charts
 - Pie Charts
 - Tables
 - Introduction to DAX (Data Analysis Expressions)
 - Calculated Columns
 - Measures
 - DAX Functions
- Advanced Power BI Techniques
 - Advanced Data Modeling
 - Relationships
 - Hierarchies
 - Calculated Tables
- Advanced Visualizations
 - Drilldown Charts
 - Treemaps
 - Waterfall Charts
 - Custom Visuals
- Power BI Integration
 - Integrating with Excel
 - Integrating with Azure Services
 - Integrating with SharePoint
 - Using Power BI REST APIs



OpenCV

- Introduction to OpenCV
- Reading Images
- Understanding Gray Scale Image
- Resizing Images
- Understanding Haar Classifiers
- Face and Eyes Classification
- How to Use Webcam in OpenCV
- Building Image DataSet
- Capturing Video
- Face Classification in Video

Project Work



Our Impact

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



What our students say about us



“

I had learned core java, web development, 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





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 Foundations Associate



Data Structure & Algorithms



Spring Boot Framework



Website Development



Python Language



Data Science



Django Framework



C Language



C++ Language




Coding Foundation Program



Full-Stack Software Development



React JS



Node JS



MERN






Are you ready to transform your career?

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



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