incapp®
The CODING Institute

DSA USING JAVA

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.

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
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.

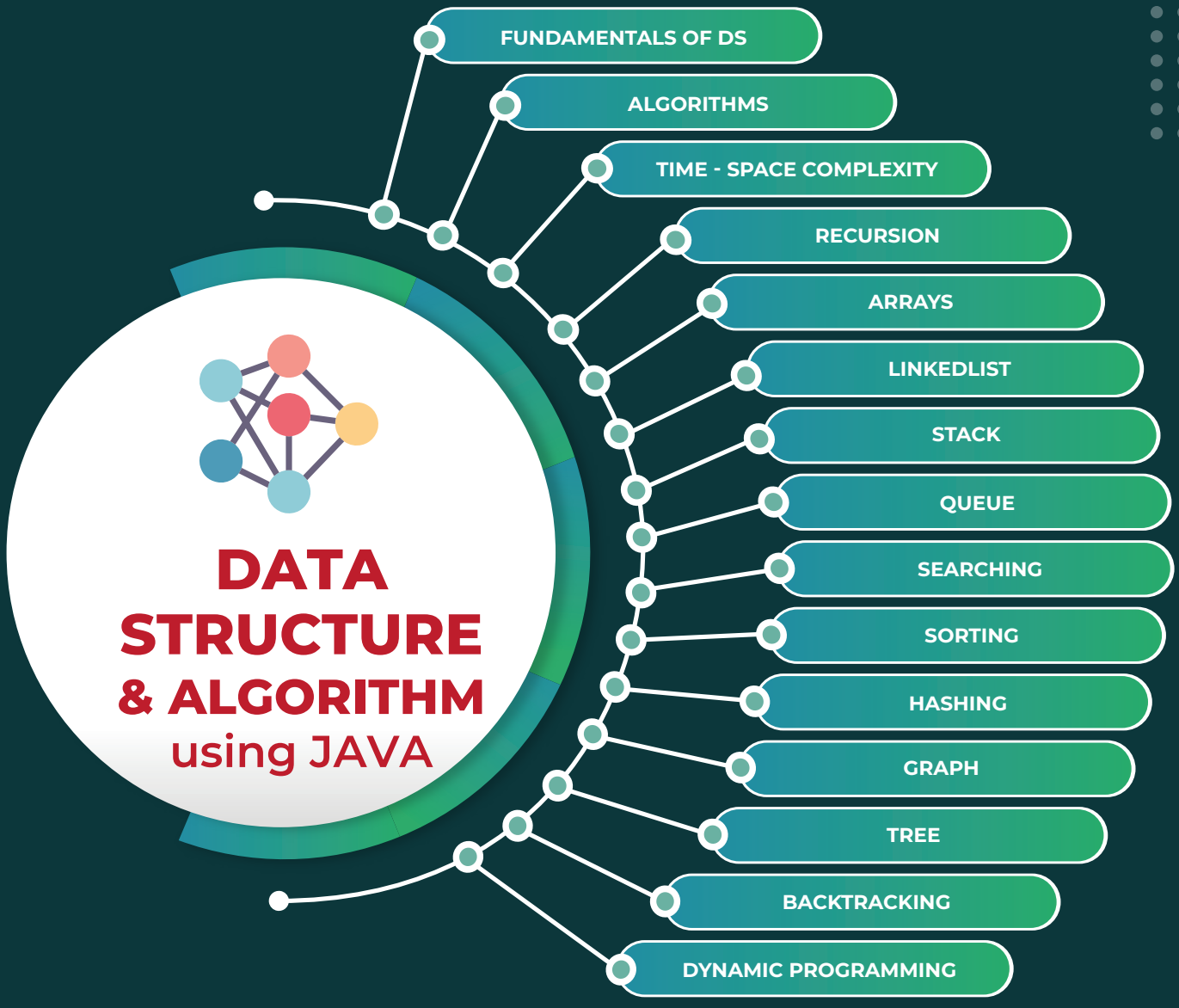
The world's leading tech companies and startups hire our students

& many more

5 Reasons to learn DSA using Java

- **Problem-Solving Skills:** Enhances your ability to tackle complex problems logically.
- **Efficiency in Coding:** Helps in writing more efficient and optimized code.
- **Essential for Technical Interviews:** Crucial for performing well in coding interviews.
- **Understanding of Algorithms:** Aids in understanding and implementing algorithms effectively.
- **Foundation for Advanced Computing:** Provides a strong base for learning advanced topics like AI and machine learning.

DSA Mastery



PROBLEM SOLVING

CURRICULUM

Course Overview:

Data Structures and Algorithms are fundamental concepts in computer science used for efficiently organizing, managing, and processing data. Data structures like arrays, linked lists, trees, and graphs enable efficient data storage and retrieval, while algorithms provide step-by-step procedures for solving problems and performing computations. Their study is crucial for developing optimized and efficient software solutions, crucial for tasks like data analysis, problem-solving, and system design. Understanding these concepts is essential for any programmer or software engineer to write better-performing and resource-efficient code.

DSA

Introduction to Data Structure and Algorithm

- Introduction to Data Structures and Algorithms
- Types of Data Structures
- Types of Algorithm
  - Simple Algorithm
  - Condition Algorithm
  - Iterative Algorithm
  - Recursive Algorithm

Recursion

- Time and Space Complexity
- Operations on DS

Problem Solving

Arrays

- Array Introduction
- Insertion Operation
  - Insertion at the End
  - Traversing an array
  - Insertion at the specified index
- Deletion Operation

CURRICULUM

- Deletion from the End
- Deletion from the specified index

Problem Solving

Linked List

- Introduction to Linked List
- Types of Linked Lists
  - Singly Linked List
  - Singly Circular Linked List
  - Doubly Linked List
  - Doubly Circular Linked List
- Introduction to Singly Linked List
  - Traversing nodes
  - Insertion at the End node
  - Insertion at Begin node
  - Insertion at Specified node
  - Deletion from the End node
  - Deletion from the Begin node
  - Deletion of Specified node
- Introduction to Singly Circular Linked List
  - Traversing nodes
  - Insertion at the End node
  - Insertion at Begin node
  - Insertion at Specified node
  - Deletion from the End node
  - Deletion from the Begin node
  - Deletion of Specified node
- Introduction to Doubly Linked List
  - Traversing nodes
  - Insertion at the End node
  - Insertion at Begin node
  - Insertion at Specified node
  - Deletion from the End node
  - Deletion from the Begin node
  - Deletion of Specified node
- Introduction to Doubly Circular Linked List
  - Traversing nodes
  - Insertion at the End node
  - Insertion at Begin node
  - Insertion at Specified node
  - Deletion from the End node
  - Deletion from the Begin node

CURRICULUM

Deletion of Specified node

Problem Solving

Stack

- Introduction Stack
- Operations on Stack
  - Push
  - Pop
  - Traverse
- Array Stack
- Linked Stack

Problem Solving

Queue

- Introduction to Queue
- Operations on Queue
  - Enqueue
  - Dequeue
  - Traverse
- Array Queue
- Linked Queue
- Circular Queue
- Priority Queue

Problem Solving

Searching

- Introduction to Searching
- Linear Search
- Binary Search

Problem Solving

Sorting

- Introduction to Sorting
- Bubble Sort
- Selection Sort
- Insertion Sort
- Radix Sort
- Counting Sort
- Quick Sort
- Merge Sort
- Heap Sort

Problem Solving

CURRICULUM

Hashing

- Introduction to Hashing
- Collision in Hashing
- Collision Resolution
- Hashtable
- Operations on Hashtable
  - Creation
  - Insertion
  - Traversing
  - Deletion
  - Searching

Problem Solving

Graph

- Introduction to Graph
- Graph Representation
- Graph Traversal

Problem Solving

Graph Algorithm

- Breadth First Search (BFS) Algorithm
- Depth First Search (DFS) Algorithm
- Minimum Spanning Tree
- Greedy Algorithms
  - Kruskal's Algorithm
  - Prim's Algorithm
- Dijkstra's Algorithm

Problem Solving

Tree

- Introduction to Tree
- Examples of Tree
- Binary Tree Traversal
  - In-order Traversal
  - Pre-order Traversal
  - Post-order Traversal
- Examples of Binary Tree Traversal
  - Full Binary Tree
  - Perfect Binary Tree
  - Complete Binary Tree
  - Degenerate or Pathological Tree
  - Skewed Binary Tree
  - Balanced Binary Tree
- Binary Search Tree (BST)

Problem Solving

Backtracking

Problem Solving

Dynamic Programming

Problem Solving

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

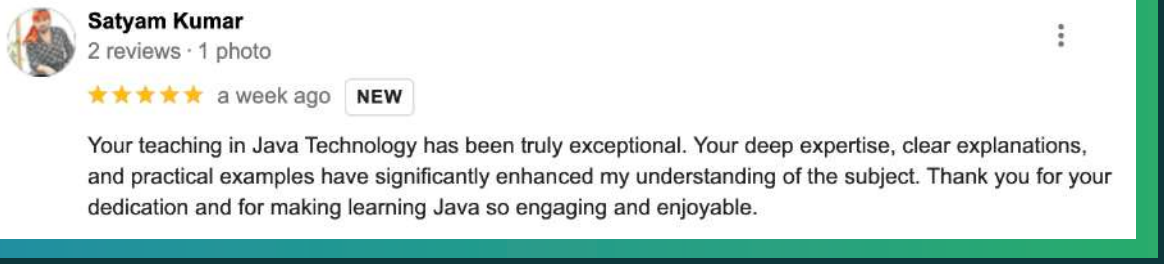
Students Recommend Us to Their People — 99%

100% Course Completion Rate

Projects Developed — 100+

4.9/5 Google Rating

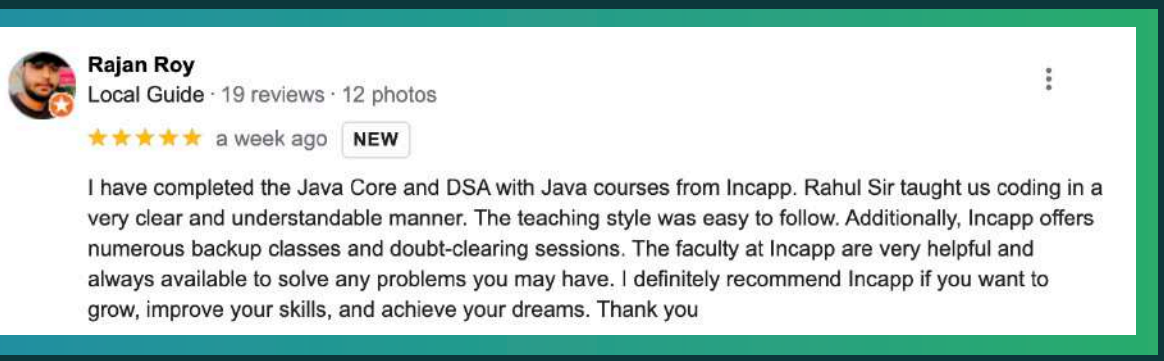
What our students say about us



Satyam Kumar
2 reviews · 1 photo

★★★★★ a week ago NEW

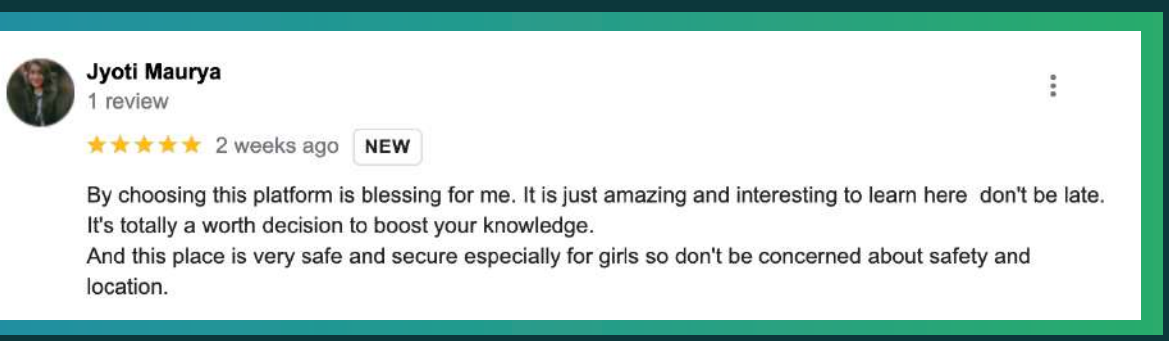
Your teaching in Java Technology has been truly exceptional. Your deep expertise, clear explanations, and practical examples have significantly enhanced my understanding of the subject. Thank you for your dedication and for making learning Java so engaging and enjoyable.



Rajan Roy
Local Guide · 19 reviews · 12 photos

★★★★★ a week ago NEW

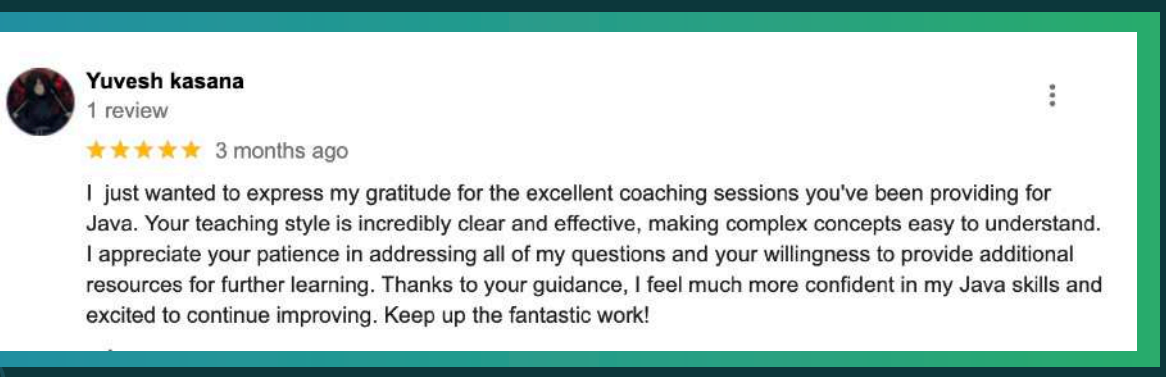
I have completed the Java Core and DSA with Java courses from Incapp. Rahul Sir taught us coding in a very clear and understandable manner. The teaching style was easy to follow. Additionally, Incapp offers numerous backup classes and doubt-clearing sessions. The faculty at Incapp are very helpful and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

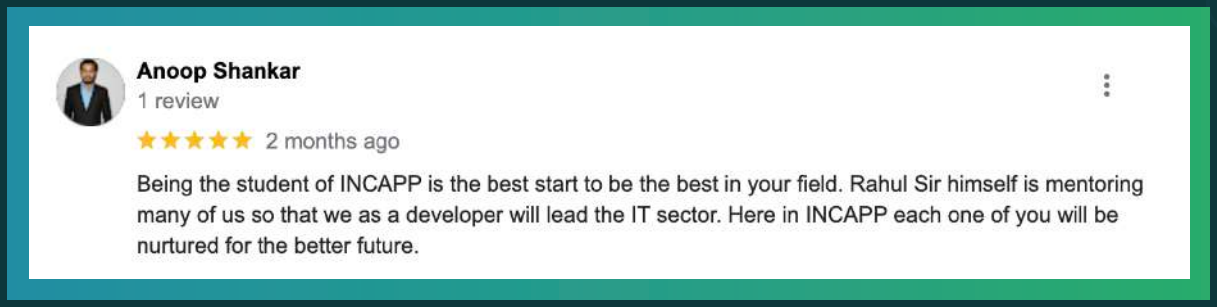


Yuvesh kasana
1 review

★★★★★ 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!

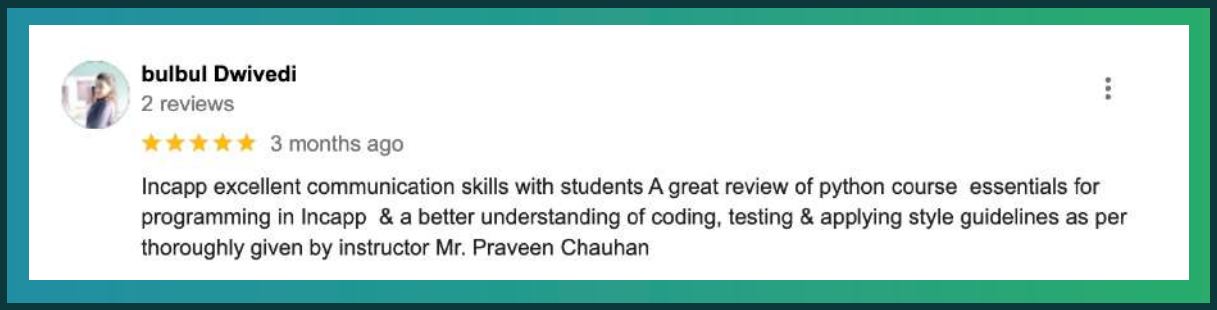
What our students say about us



Anoop Shankar
1 review

★★★★★ 2 months ago

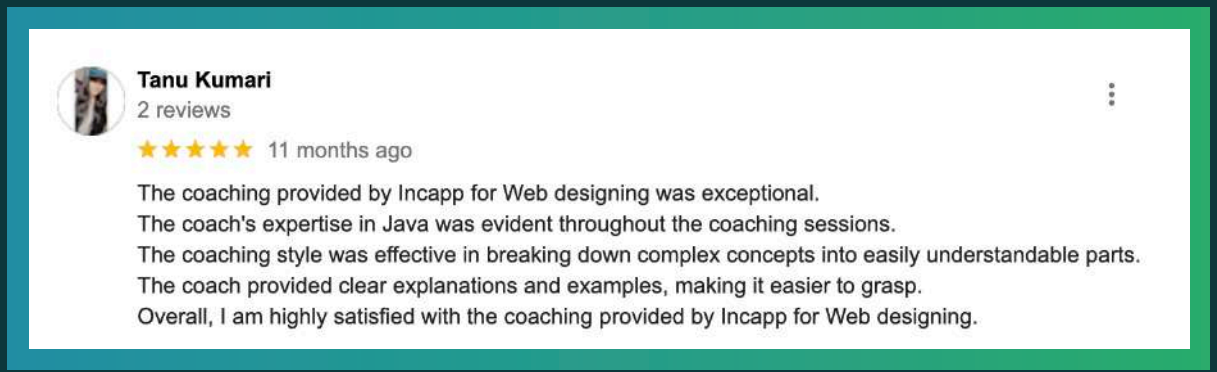
Being the student of INCAPP is the best start to be the best in your field. Rahul Sir himself is mentoring many of us so that we as a developer will lead the IT sector. Here in INCAPP each one of you will be nurtured for the better future.



bulbul Dwivedi
2 reviews

★★★★★ 3 months ago

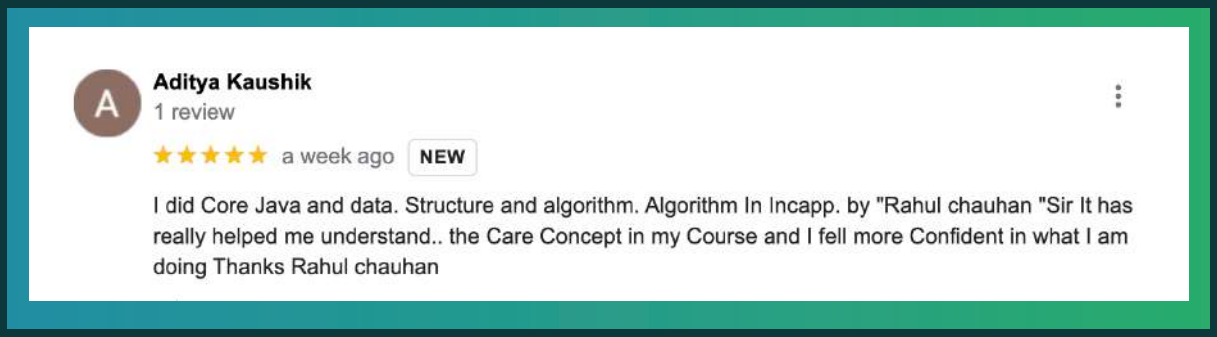
Incapp excellent communication skills with students A great review of python course essentials for programming in Incapp & a better understanding of coding, testing & applying style guidelines as per thoroughly given by instructor Mr. Praveen Chauhan



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 PROGRAM
FULL STACK DEVELOPMENT

PYTHON PROGRAM
FULL STACK DEVELOPMENT

WEB PROGRAM
FULL STACK DEVELOPMENT

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?

Get In Touch

0120-4108484, 9811272031

info@incapp.in

www.incapp.in

5th Floor, OM TOWER, Commercial Belt,
Alpha I, Greater Noida, UP

Find us on: /incapp /incapp.in /incapp

Scan to visit
INCAPP website