incapp
The CODING Institute

C & C++ LANGUAGE

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

Book your seat now

Google
Reviews 2,500+ • Excellent

MSME

14+ YEARS EXPERIENCE

CERTIFIED ISO 9001:2015 COMPANY

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.

OUR SUCCESS STREAK

- 14 years of training expertise
- 12800+ 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

What You Will Learn

PROBLEM SOLVING

5 Reasons To Learn C & C++

- **Foundation for Programming:** Both C and C++ provide a strong base in core programming concepts and computer science principles.
- **System-Level Programming:** Ideal for system software, hardware interaction, and game development, offering fine control over system resources.
- **Performance Efficiency:** Known for high performance, speed, and efficient resource management in critical applications.
- **Basis for Other Languages:** Mastering C and C++ aids in learning languages like Java, Python, and C#, as they share similar concepts.
- **Widespread Industry Use:** Both languages are crucial in sectors like embedded systems, operating systems, finance, and gaming.

CURRICULUM

Course Overview:

C is a foundational programming language known for its efficiency in system programming, while C++ extends C with object-oriented features. Both are widely used in system software, embedded systems, game development, and other applications requiring close hardware interaction and high performance. C's syntax forms the basis of many languages, making it essential for computer science education.

C & C++ Language

Introduction to C

- Programming Introduction
- Why learn the C programming language?
- History and Origin of C Programming
- Compilation and Execution Process
- Creating First C Program

Assignments

Fundamentals

- Tokens
- Keywords
- Identifiers
- Operators
- Separators
- Literals
- Variable and Data Types

Assignments

Operators

- Assignment Operator
- Arithmetic Operator
- Shorthand Operator
- Increment Decrement Operator
- Relational Operator
- Logical Operator
- Conditional Operator
- Bitwise Operator
- Getting Input from Keyboard

Assignments

Introduction to C++

- Why learn the C++ programming language?
- History and Origin of C++ Programming
- Compilation and Execution Process
- Creating First C++ Program
- Getting Input from Keyboard
- Finding similarities and difference between C and C++ Program

Assignments

Decision Making

- if statement
- if-else statement
- else-if statement
- nested if-else statement
- switch statement

Assignments

CURRICULUM

Loop Controls

- for loop
- while loop
- do-while loop
- break and continue keyword
- Nested loop

Assignments

Functions

- Introduction to functions
- Types of functions
- Local and global variables
- Scope Resolution Operator
- Inline Function
- Recursion
- Recursive function
- Working with header files

Assignments

Type Casting

- Implicit Type Casting
- Explicit Type Casting

Assignments

Storage Classes

- Understanding storage classes
- Types of storage classes
- Automatic
- Register
- Static
- External

Assignments

Arrays

- Introduction to array
- One Dimensional Array
- Accessing array using loop
- Getting input from keyboard in arrays
- Array with function
- Multi Dimensional array

Assignments

Strings

- Introduction to String
- Creating String using Character Array
- Getting String from Keyboard
- String Manipulation(String Handling)
- Predefine functions for String
- Arrays of String

Assignments

User-Defined Data Types

- Introduction to User-defined data types
- Understanding Structure
- Getting input for structure form Keyboard
- Operations on structure
- Arrays of Structure
- Nested structure
- Structure with function
- Understanding Union and Enumeration

Assignments

Pointers

- Understanding Pointer
- Declaring Pointer
- Initializing Pointer
- Accessing Variable using Pointer
- Call by Value
- Call by Reference
- Manipulating Array with Pointer
- Understanding Array with Pointer
- Understanding String with Pointer
- Working of String using Pointer
- Arrays of Pointers

Assignments

CURRICULUM

Dynamic Memory Allocation

- Understanding DMA(Dynamic Memory Allocation)
- Allocating memory at runtime
- new operator
- delete operator

Assignments

Preprocessors

- Understanding Preprocessor
- File Inclusion
- #include
- Macro Substitution
- #define
- Conditional Compilation
- #if
- #endif
- #ifdef
- #else
- #elif
- #ifndef
- Miscellaneous Directives

Assignments

Object-Oriented Programming

- Understanding Object Oriented Programming(OOP)
- Who created OOP's concepts and why?
- Learn OOP's concepts in real world
- Defining your own class
- Creating object of a class
- Understanding Encapsulation in class
- Public and private access specifiers

Assignments

Instance and Static Members

- Understanding Instance members
- Instance variable
- Instance member function
- Understanding Static members
- Static variable
- Static member function

Assignments

Constructors and Destructor

- Non-Parameterized Constructor
- Parameterized Constructor
- Copy Constructor
- Constructor Overloading
- Constructor with default arguments
- Constructor Chaining
- Understanding Destructor

Assignments

Inheritance

- Understanding Inheritance
- Derived (child) and Base (parent) classes
- Constructor in Inheritance
- Types of Inheritance

Assignments

Polymorphism

- Understanding Polymorphism
- Compile-time Polymorphism
- Runtime Polymorphism
- Virtual Functions

Assignments

Overloading

- Function Overloading
- Operator Overloading
- Unary Operator Overloading
- Binary Operator Overloading
- Friend Function

Assignments

CURRICULUM

Abstraction

- Abstract Class
- Pure Virtual Function

Assignments

String Class

- Creating String using String class
- Exploring String class members
- String manipulations(handling)
- Comparing Strings
- Accessing characters from String

Assignments

Exception Handling

- Understanding Exception
- Using try and catch block
- Try with multiple catch
- Rethrowing Exception
- Specifying Exceptions

Assignments

File I/O

- File Stream
- Opening a file
- Reading from a file
- Writing to a file
- Closing a file
- Error handling during file handing

Assignments

Templates

- Understanding Templates
- Function Templates
- Template function overloading
- Class Template

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

Students Successfully Trained — 12800+

14+ Years of Experience

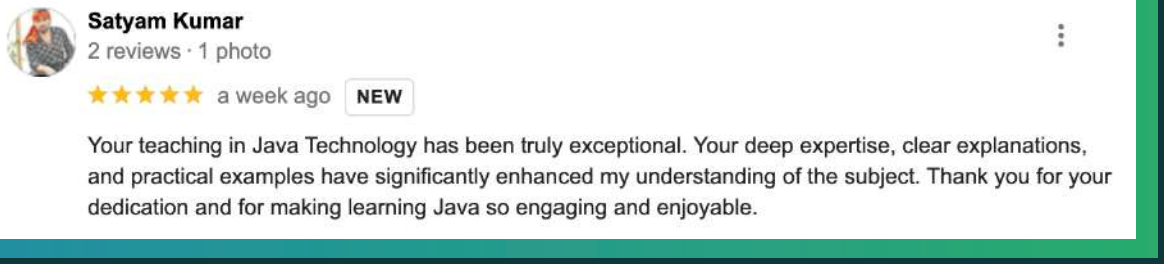
Students Recommend Us to Their People — 99%

100% Course Completion Rate

Projects Developed — 100+

4.9/5 Google Rating

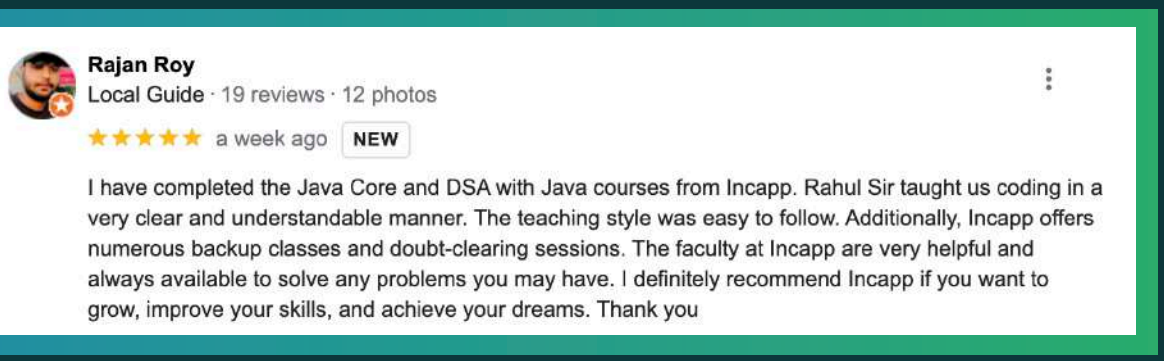
What our students say about us



Satyam Kumar
2 reviews · 1 photo

★★★★★ a week ago NEW

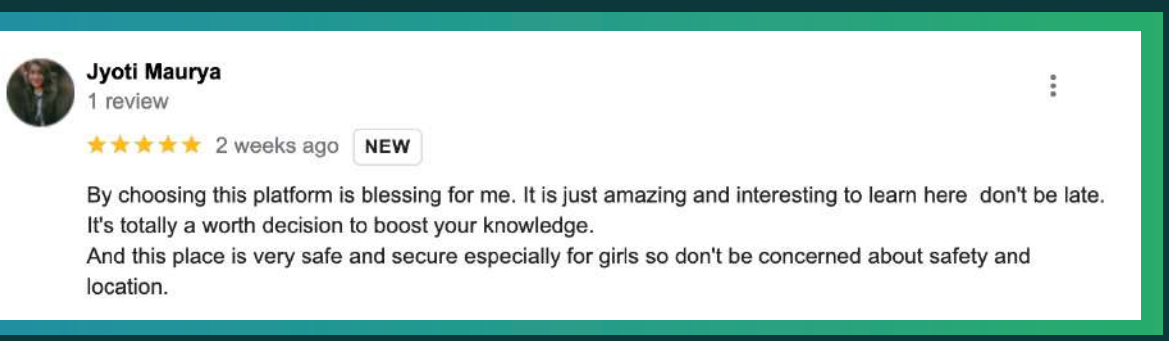
Your teaching in Java Technology has been truly exceptional. Your deep expertise, clear explanations, and practical examples have significantly enhanced my understanding of the subject. Thank you for your dedication and for making learning Java so engaging and enjoyable.



Rajan Roy
Local Guide · 19 reviews · 12 photos

★★★★★ a week ago NEW

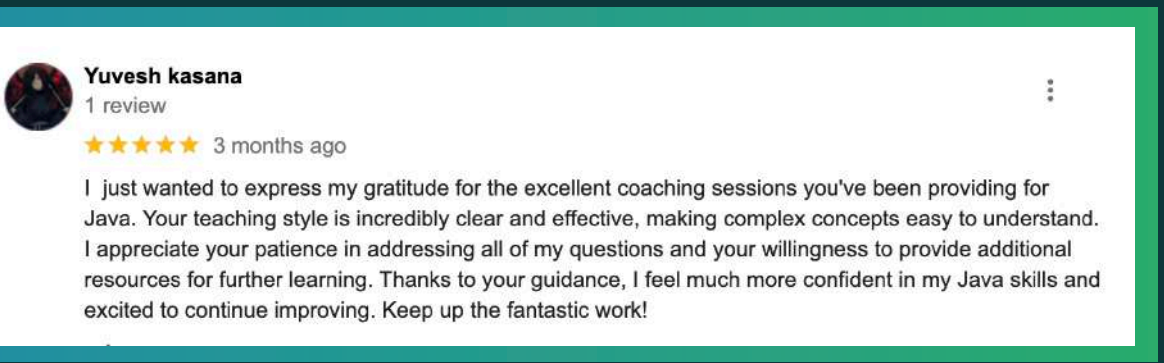
I have completed the Java Core and DSA with Java courses from Incapp. Rahul Sir taught us coding in a very clear and understandable manner. The teaching style was easy to follow. Additionally, Incapp offers numerous backup classes and doubt-clearing sessions. The faculty at Incapp are very helpful and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

A

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

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

OCFA JAVA CERTIFICATION

OCP JAVA CERTIFICATION

PYTHON LANGUAGE

DATA ANALYTICS & SCIENCE

DJANGO FRAMEWORK

WEB DEVELOPMENT

ADVANCED WEB FRONT END (React JS)

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

incapp
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Are you ready to elevate your career?

Get In Touch

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Alpha I, Greater Noida, UP

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