# JAVA
# BACKEND

## (ADV. JAVA & SPRING & HIBERNATE FRAMEWORK)

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

**Book your seat now**

# 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**
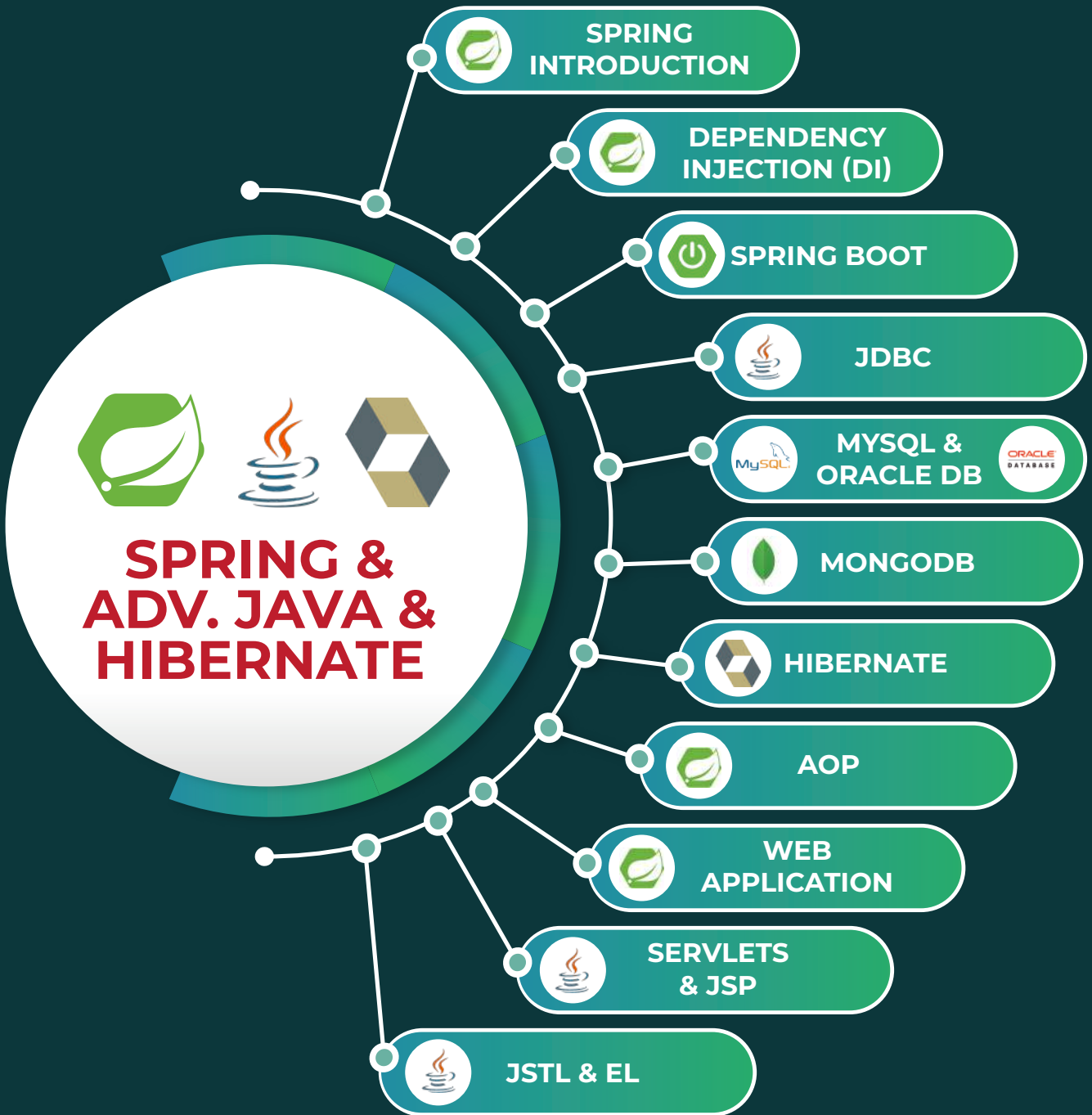Guides students with personalized mentorship ensure students achieve their learning gols.

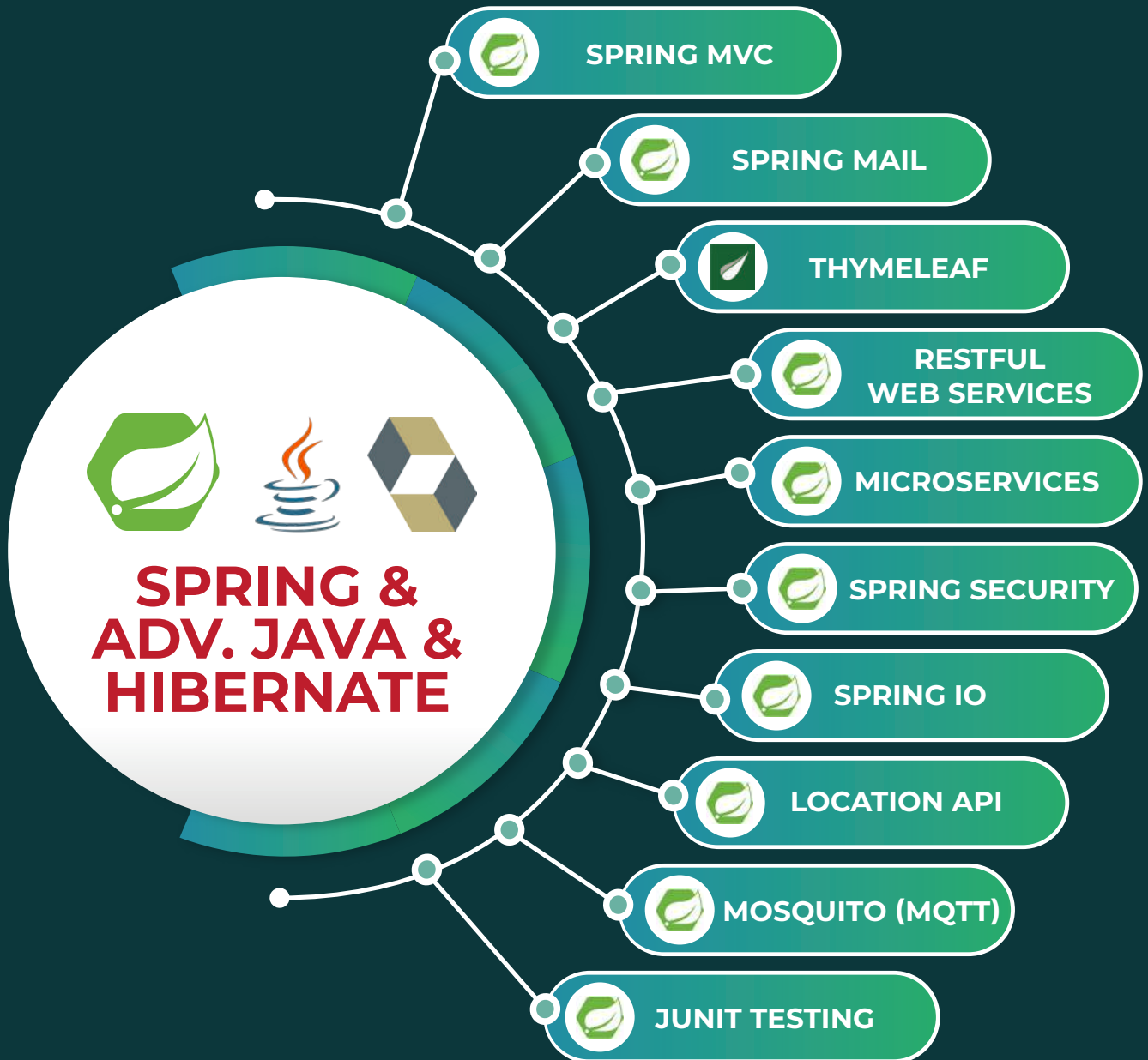# The world's leading tech companies and startups hire our students

| | | | | |
|---|---|---|---|---|
| Pepcoding | FUJITSU | T.EN TECHNIP ENERGIES | headstrong Capital Markets | CISCO |
| VALUE CODERS | unthinkable | Ecom Express | IBM | SAP |
| ugam POWERING ANALYTICS INTO ACTION | NTT DATA | SERVOSYS | wipro | HCL |
| Coforge | tcs | Infosys | Birlasoft | accenture |
| Paytm | Capgemini | cognizant | Deloitte. | genpact |

**& many more**

# BackEnd Mastery

SPRING INTRODUCTION

DEPENDENCY INJECTION (DI)

SPRING BOOT

JDBC

MYSQL & ORACLE DB

MONGODB

HIBERNATE

AOP

WEB APPLICATION

SERVLETS & JSP

JSTL & EL

## SPRING & ADV. JAVA & HIBERNATE

**30+ PROJECTS**

Continue....

# BackEnd Mastery

**SPRING & ADV. JAVA & HIBERNATE**

- SPRING MVC
- SPRING MAIL
- THYMELEAF
- RESTFUL WEB SERVICES
- MICROSERVICES
- SPRING SECURITY
- SPRING IO
- LOCATION API
- MOSQUITO (MQTT)
- JUNIT TESTING

**50+ PROJECTS**

# Course Overview:

Spring is a comprehensive Java framework focused on simplifying enterprise application development by providing a modular, lightweight architecture. Spring Boot, a Spring extension, streamlines the creation of production-ready applications by offering auto-configuration and out-of-the-box features. Hibernate is an ORM (Object-Relational Mapping) framework that simplifies database interactions by converting Java objects into database tables. Together, these tools provide a powerful platform for building efficient, scalable, and easily maintainable web applications and microservices, minimizing boilerplate code and streamlining database management.

**CURRICULUM**

## Spring Core
- Introduction to Spring Framework
- Difference between Framework and Library
- Benefits of Spring Framework
- Understanding loose and tight coupling
- Creating first application using Spring
- Understanding Maven Technologies
- Creating Spring based application using Maven
  **Project Work**

## DI(Dependency Injection)
- Understanding DI
- Scope Attribute
- Setter method DI Approach
- Constructor DI approach
- Autowiring
- Injecting Collection
  **Project Work**

## Spring Boot
- Understanding SpringBoot
- Creating first application using SpringBoot
- Using CommandLineRunner
  **Project Work**

## Java DataBase Connectivity(JDBC)
- Need of JDBC
- DataBases
- JDBC Drivers
- Understanding DriverManager Class

- Statement Interface
- Performing Database CURD Operations
- ResultSet Interface
- PreparedStatement Interface
- ResultSetMetadata Interface
- Transactions [commit() and rollback() methods]
- Creating Web Application using JDBC

## Data Base
- MySQL DB
- Oracle DB
- MongoDB

## Spring JDBC
- Configuring DataSource
- Data Access Object(DAO)
- Executing SQL Statements
  **Project Work**

## Hibernate
- Advantage of Hibernate over JDBC

## ORM
- Introduction of ORM
- ORM Implementation
  **Project Work**

**CURRICULUM**

### Hibernate Configuration

**Project Work**

### Hibernate Architecture

- Introduction to HB Architecture
- Hibernate Configuration
- Installation and Directory Structure
- First Application using HB
- Hibernate web application
- Hibernate Generator classes
- Hibernate dialects
  **Project Work**

### Hibernate and Spring Integration

**Project Work**

### Hibernate Mapping

- Mapping Collection
- One to One Mapping
- One to Many Mapping
- Many to One Mapping
- Many to Many Mapping
  **Project Work**

### Hibernate and Spring Integration

**Project Work**

### SpringBoot AOP

- Aspect
- Advice
- Joinpoint
- Pointcut
  **Project Work**

### Web Application

- Creating first web application
  **Project Work**

### Servlets

- Understanding Servlet
- Creating first Servlet based Web Application
- Servlet LifeCycle
- HttpServlet Class
  **Project Work**

### ServletContext and ServletConfig Interfaces

- Understanding the role of ServletConfig
- Understanding the role of ServletContext

- Implementing ServletConfig & ServletContext
  **Project Work**

### Servlet Collaboration

- Understanding SendRedirect method
- Implementation of SendRedirect
- Understanding RequestDispatcher Interface
- Implementation of RequestDispatcher
  **Project Work**

### Scope Attributes

- Setting and Getting scope attributes
- ServletRequest Scope
- ServletContext Scope
  **Project Work**

### Session

- Understanding the Session
- Understanding HttpSession interface
- Setting and Getting attributes in HttpSession
- Session Handling
  **Project Work**

### Cookies

- Understanding the Cookies
- Setting and Getting the cookies
- Working with cookies in browser
  **Project Work**

### Passing Values

- Hidden Form Field
- Url Rewriting
  **Project Work**

### Filters

- Understanding Filter
- Filter with a Servlet
- Multiple Filters with a Servlet
- Filter with multiple Servlets
- Filter with a Filter
  **Project Work**

### Java Server Page(JSP)

- Understanding JSP
- LifeCycle of JSP
- First Web Application Using JSP
- JSP Implicit Objects
  **Project Work**

## CURRICULUM

### JSP Basic Tags

- JSP Scriptlet Tag <% %>
- JSP Expression Tag <%= %>
- JSP DeclarationTag <%! %>
- JSP CommentTag <%-- --%>
  **Project Work**

### JSP Implicit Objects

- Request
- Response
- Config
- Application
- PageContext
- Page
- Out
- Session
- Exception
  **Project Work**

### Exception Handling in JSP

- Using Try Catch
- Using ErrorPage Attribute
- Using XML Mapping
  **Project Work**

### JSP Action Tags

- Syntax of JSP Action
- Need of JSP Actions
- Type of JSP Actions:
  - Forward Action
  - Include Action
  - Param Action
  - UseBean Action
  - SetProperty Action
  - GetProperty Action
- Understanding MVC
  **Project Work**

### JSTL

- Understanding JSTL
- Working with JSTL
  **Project Work**

### Expression Language(EL)

- Understanding EL
- Working with EL
  **Project Work**

### File Uploading and Downloading

- File Uploading to server database
- File Downloading from server database
- Working with images, pdf and videos from server database
  **Project Work**

### Spring MVC

- Understanding MVC and Spring MVC
- Introduction to Request processing
- Creating first application using SpringBoot MVC
- File Uploading and Downloading
- Exception Handling
  **Project Work**

### Spring Mail

- Send mail using Spring
  **Project Work**

### Thymeleaf

- Working with Thymeleaf
  **Project Work**

### SpringBoot RESTful WebService

- Introduction to REST and RESTful
- Building RESTful web service
- RESTful service constraints
- @RequestBody and @ResponseBody annotations
- Working with @PathVariable, @GetMapping, @PostMapping, @PutMapping, @DeleteMapping
- Error handling for RESTful service
- Understanding Response Entity
- RESTful service simple client
- RESTful service web client
  **Project Work**

**Microservices**

Project Work

**Spring Security**

- Understanding Spring Security working
- First application using default ID
  and Password
- Properties file configuration
- InMemory configuration
- Providing Authorization Roles
- Custom Login and Logout
- DataBase Login and Logout
- Authorization using OAuth2
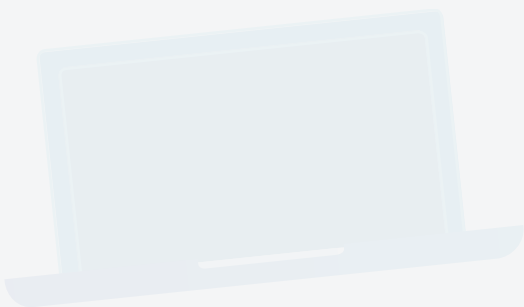  **Project Work**

**Spring IO**

Project Work

**Location API**

Project Work

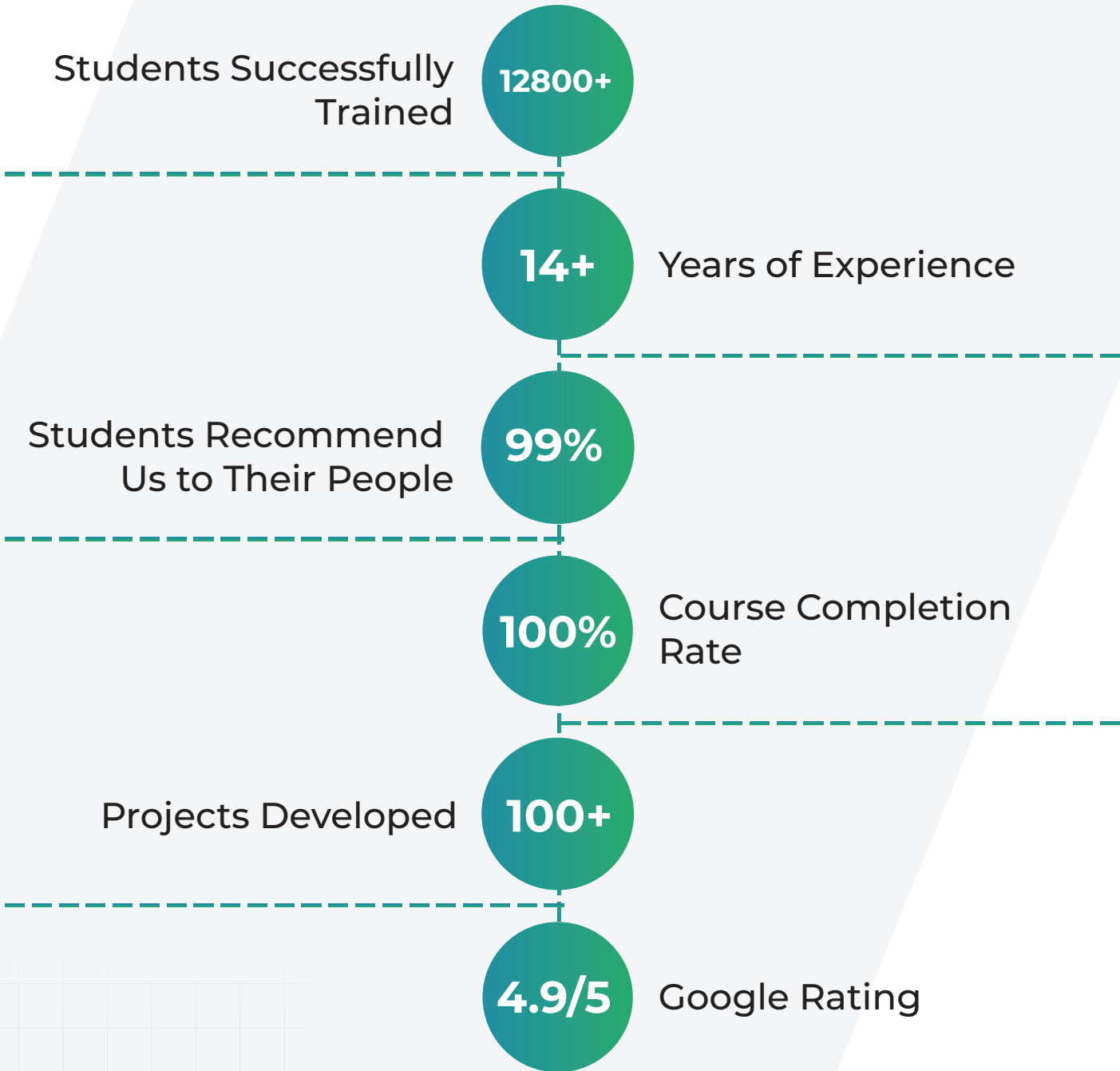**Mosquito (MQTT)**

Project Work

**JUnit Testing**

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.

**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**

## What our students say about us

**Lakshay Sharma**
1 review · 1 photo
★★★★★ 2 months ago

I took c course from INCAPP. It was very resourceful for me. Coming from a non technical background I never understood c at my college, but in INCAPP Praveen chouhan sir made c language seem very easy and interesting. Now I feel more confident!

**Samriddh Pandey**
2 reviews
★★★★★ a month ago

"At first, I thought this was just a regular coding institute like the others, but it's different. The instructors are highly trained and dedicated to ensuring you fully understand the material. It's an excellent place to learn coding."

**Yuvraj Singh**
1 review
★★★★★ a year ago

It was an amazing experience with this institute,awesome way of teaching
Nd my advice is to must join this for better learning and your bright future..
At the end all that i can say is just awesome..

**Satyam singh Bhudev**
3 reviews · 1 photo
★★★★★ 4 months ago

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.

**& 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**
The CODING Institute

## Are you ready to elevate your career?

✓ **Get In Touch**

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✉ info@incapp.in

🌐 www.incapp.in

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

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