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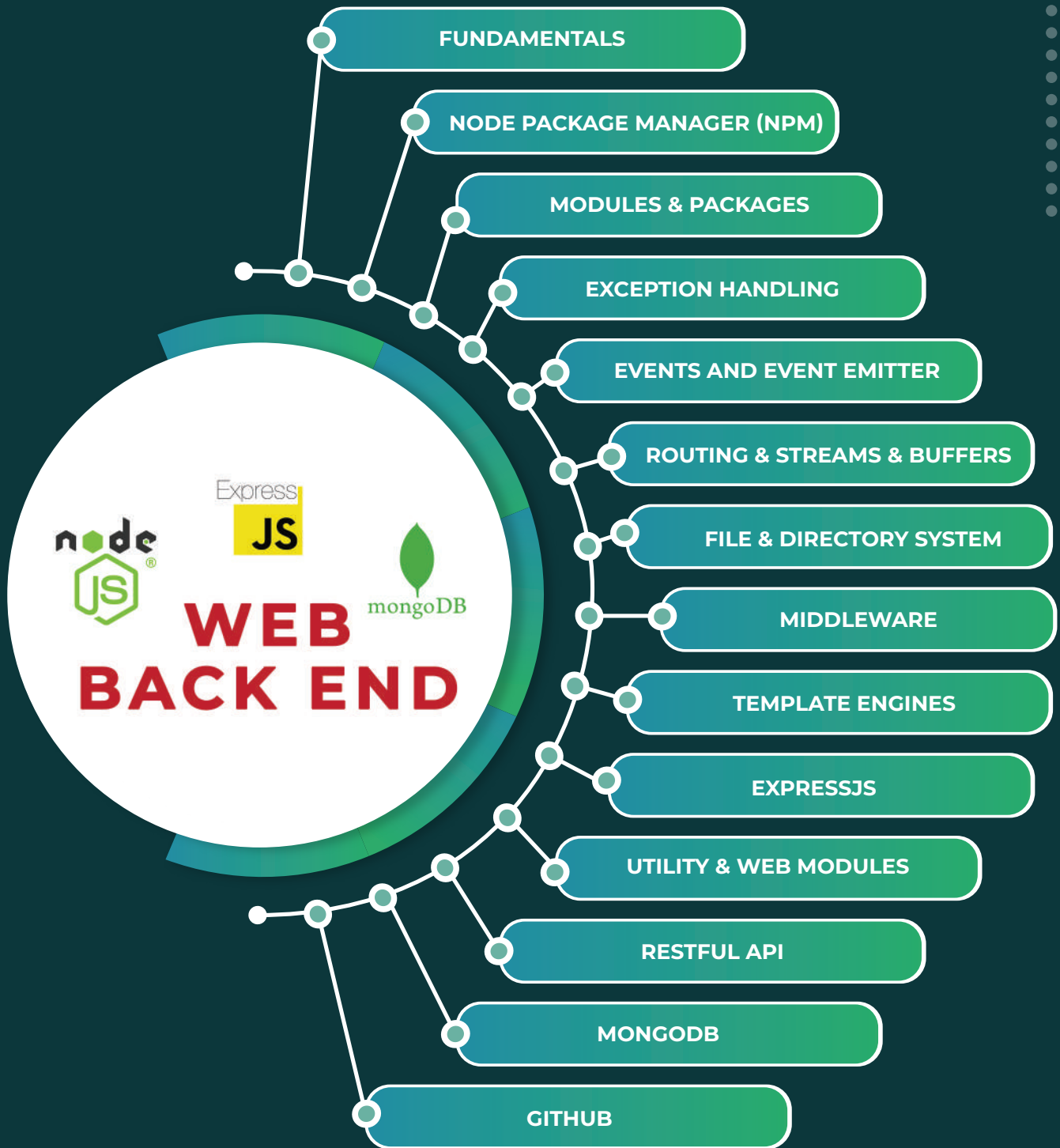Guides students with personalized mentorship ensure students achieve their learning gols.

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

What You Will Learn

WEB BACK END

- FUNDAMENTALS
- NODE PACKAGE MANAGER (NPM)
- MODULES & PACKAGES
- EXCEPTION HANDLING
- EVENTS AND EVENT EMITTER
- ROUTING & STREAMS & BUFFERS
- FILE & DIRECTORY SYSTEM
- MIDDLEWARE
- TEMPLATE ENGINES
- EXPRESSJS
- UTILITY & WEB MODULES
- RESTFUL API
- MONGODB
- GITHUB

PROJECT WORK

Course Overview:

This course focuses on building robust backend systems using Node.js, MongoDB, and Express.js. You'll learn how to create scalable server-side applications, handle API development, manage databases with MongoDB, and implement efficient routing and middleware with Express.js. Through hands-on projects and assignments, you'll gain practical experience in backend architecture, preparing you to develop secure, high-performance web applications.

CURRICULUM

NODE JS

Introduction to NodeJS

- NodeJS Introduction
- History of NodeJS
- Features of NodeJS
- Scope of NodeJS
- NodeJS Applications
- Advantages of NodeJS
- NodeJS Versions
- What is V8 JavaScript Engine?
- Why Server-side JavaScript?
- NodeJS Vs Other server-side technologies

Getting Started with NodeJS

- NodeJS Architecture
- NodeJS Installation
- Creating Web Server in NodeJS
- Creating First NodeJS Application
- Debugging First NodeJS Application
- Event Loop
- Event Driven Architecture
- Node REPL
- Writing Asynchronous Code
- Blocking vs Non-Blocking Code

Modules and Packages in NodeJS

- Understanding Modules
- Understanding require and exports
- Creating Modules
- Importing Modules
- Exporting Modules
- Built-in Modules
- Process Module
- HTTP Module
- URL Module
- Creating a Node Package
- Publishing the Package
- Using published package

Node Package Manager (NPM)

- Introduction to NPM Package
- Understanding CLI
- Understanding NPM
- Installing Modules using NPM
- Local and Global Packages
- Installing a Module
- Updating a Module
- Uninstalling a Module
- Working with Node's Package Manager (NPM)
- Understanding package.json
- Using package.json
- Attributes of package.json

NodeJS Built-in Packages

- NPM Package
- Express NPM Package
- Multer NPM Package
- Node Mail NPM Package
- Boot Strip NPM Package Integration
- JSONWEBTOKEN NPM Integration
- Introduction of Crypto-JS

Callback

- What is Callback?
- Blocking Code Example
- Non-Blocking Code Example

Code Debugging

- Built-in Debugger
- IDE Debugger
- Node Inspector

Exception Handling

- Try-Catch
- Call Back

Events and Event Emitter

- Understanding Events
- Event-Driven Programming
- How do Node Applications work?
- Event Emitter Class

Methods

- Class Methods
- Emitting Events
- Listening to Events

HTTP

- Building a Web Server
- HTTP Request Methods
- HTTP Request Headers
- HTTP Response Codes
- HTTP Response Headers

ExpressJS

- Introduction to ExpressJS Framework
- Installing ExpressJS Framework
- Building a Web Server
- Creating Hello World Application using ExpressJS
- Debugging and Executing Hello World Application
- Request and Response
- Request Object
- Response Object
- Basic Routing
- Serving Static Files
- GET Method
- POST Method
- FILE Upload
- Cookies Management
- Sending Emails

Routing

- Understanding Routing
- Router Object
- Route Methods
- Route Paths
- Parameterized Routes
- Route Handlers
- Express Router

Streams

- Understanding Streams
- Types of Stream
- Creating Streams
- Readable Streams
- Writable Streams
- Piping the Streams
- Chaining the Streams

Buffers

- Creating Buffers
- Writing to Buffers
- Reading from Buffers
- Convert Buffer to JSON
- Compare Buffers
- Copy Buffer
- Slice Buffer
- Buffer Length
- Method Reference
- Class Methods

File and Directory System

- Synchronous Vs Asynchronous
- Introduction to fs Module
- File operations
- Creating a File
- Opening a File
- Writing to a File
- Reading from a File
- Closing a File
- Deleting a File
- Creating a Directory
- Reading a Directory
- Removing a Directory

Middleware

- Middleware Introduction
- Middleware Types
- Express Middleware
- Error Middleware
- Body Parser
- Cors
- Cookie Parser
- Session Management

Template Engines

- Introduction to Template Engines
- EJS
- Jade
- Vash
- GruntJS
- Handlebars

ExpressJS Security

- Authentication
- JWT
- Securing Routes
- Debugging in ExpressJS

Global Objects

- __filename
- __dirname
- setTimeout(cb, ms)
- clearTimeout(t)

CURRICULUM

CURRICULUM

- setInterval(cb, ms)
- Global Objects
- Console Object
- Process Object

Utility Modules

- OS Module
- Path Module
- Net Module
- DNS Module
- Domain Module

Web Modules

- What is a Web Server?
- Web Application Architecture
- Creating a Web Server using Node
- Making a Request to Node Server
- Creating a Web Client using Node

RESTful API

- What is REST Architecture?
- Http Methods
- RESTful Web Services
- Creating RESTful for a Library
- List Users
- Add Users
- Show Detail
- Delete a User

Introduction to MongoDB

- Understanding NoSQL DB
- NoSQL Vs SQL DB
- Understanding MongoDB
- Document-oriented Vs Other kind of storages
- Installing MongoDB
- MongoDB Data Types
- MongoDB Shell Commands
- Understanding DB, collection and document
- Understanding Embedded documents
- Querying Database Tools and API
- MongoDB Tools

CRUD Operations on MongoDB

- Creating Database
- Creating Collections
- Creating Documents
- Inserting Data
- Querying Data
- Updating Data
- Deleting Data
- Limiting Data
- Sorting Data
- Dropping Collection
- Dropping Database

MongoDB Indexing and Relationships

- Types of Indexes
- Creating an Index
- Defining Relationships between Documents
- Dropping an Index

MongoDB Mongoose

- Introduction to Mongoose
- Mongoose Schemas
- Mongoose Data Types
- Mongoose Models
- Mongoose Relationships
- Mongoose CRUD Operations

MongoDB ODM Mongoose

- Introduction to ORM
- Introduction to ODM
- MongoDB ODM Mongoose

GitHub

- Real-time Environment setup with GitHub

REST API with Mongoose

- REST API with Mongoose, MongoDB and Postman
- Creating REST API using Express and Mongoose

Project Work

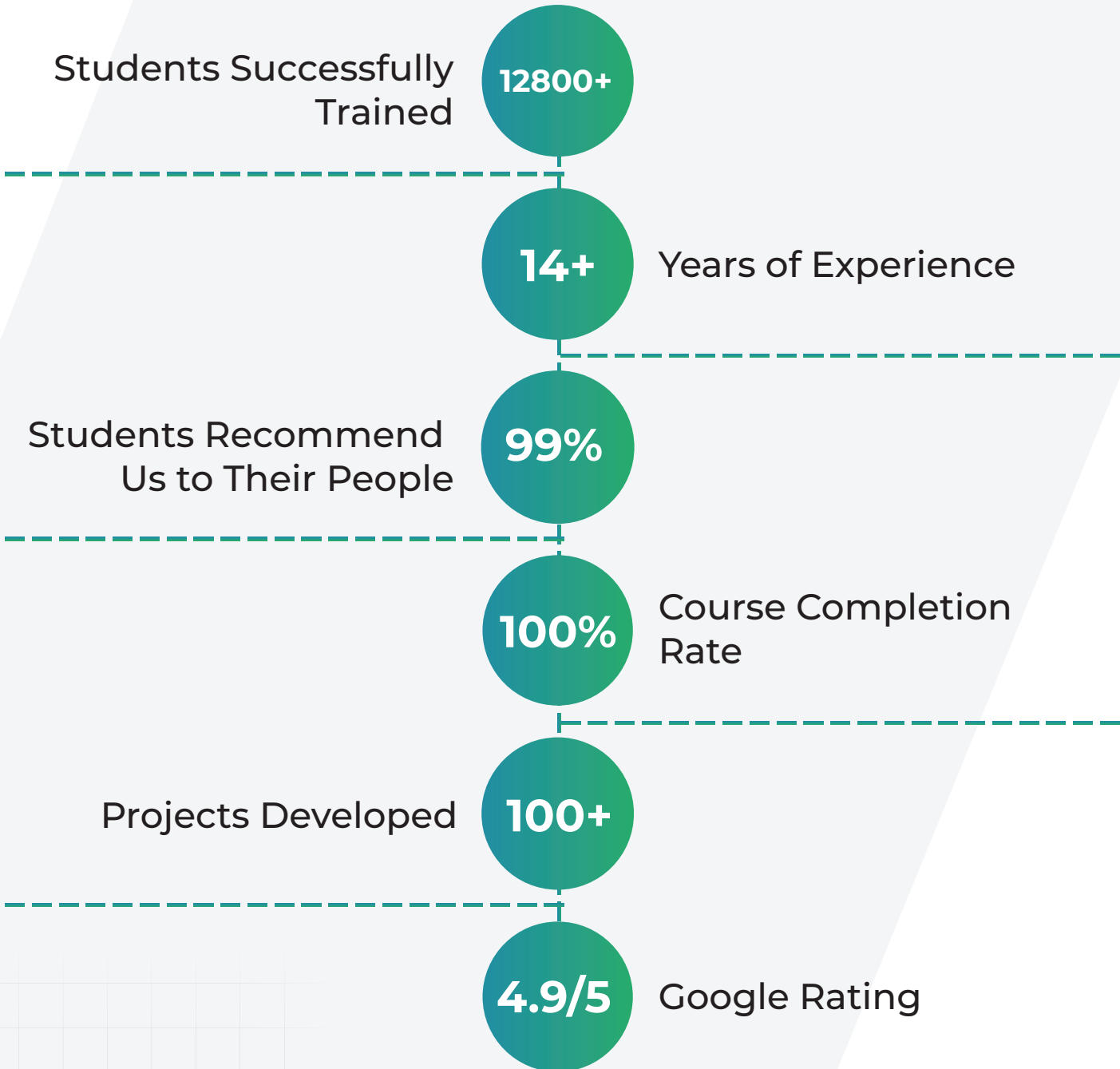- Developing the Project
- Deploying the Project

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!

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?

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