

Java Backend Development Course (6 Months)

Course Overview

The **Java Backend Development Course** is a comprehensive job-oriented training program designed to help students become professional Java backend developers. The course covers Core Java, Advanced Java, Spring Framework, Spring Boot, Hibernate, RESTful APIs, Microservices, JWT Authentication, Maven, Git, MySQL, and deployment. Students gain hands-on experience by building real-world backend applications used in enterprise software.

Course Modules

Module	Topics
Module 1	Programming Fundamentals & Java Basics
Module 2	Core Java Programming
Module 3	Object-Oriented Programming (OOP)
Module 4	Exception Handling & Collections
Module 5	Multithreading & Java 8 Features
Module 6	JDBC & MySQL Database
Module 7	Advanced Java (Servlet, JSP, JSTL)
Module 8	Maven, Git & Build Tools
Module 9	Hibernate ORM
Module 10	Spring Core & Spring MVC
Module 11	Spring Boot
Module 12	REST API Development
Module 13	Spring Security & JWT Authentication

Module 14	Microservices Architecture
Module 15	Project Development
Module 16	Deployment & Interview Preparation

Technologies Covered

- Java 17+
 - Core Java
 - Advanced Java
 - JDBC
 - MySQL
 - Maven
 - Git & GitHub
 - Hibernate
 - Spring Core
 - Spring MVC
 - Spring Boot
 - Spring Data JPA
 - Spring Security
 - JWT Authentication
 - REST API
 - Microservices
 - Docker (Introduction)
 - Postman
 - Swagger
 - IntelliJ IDEA
 - Eclipse
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Live Projects

- Employee Management System
- Student Management System
- Hospital Management API
- E-Commerce Backend

- Banking Management System
 - Inventory Management
 - Authentication System
 - Online Examination System
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Course Duration

- **Duration:** 6 Months
 - **Classes:** 5 Days/Week
 - **Mode:** Online / Offline
 - **Projects:** 8+
 - **Assignments:** 100+
 - **Interview Preparation:** Included
 - **Placement Assistance:** Included
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Java Backend Development Fee Structure

Module	Duration	Fee (₹)
Core Java	2 Months	₹6,500
Advanced Java	2 Months	₹8,000
Spring Framework & Spring Boot	2 Months	₹8,000
Total Course Fee	6 Months	₹22,500

What You'll Learn

Core Java



- Java Fundamentals
- OOP Concepts
- Arrays & Strings
- Collections Framework
- Exception Handling
- Multithreading
- Java 8 Features
- File Handling
- JDBC
- MySQL

Advanced Java

- Servlet
- JSP
- JSTL
- MVC Architecture
- Session Management
- Cookies
- Filters
- Listeners
- CRUD Application
- Authentication

Spring Framework

- Spring Core
- Dependency Injection
- Spring MVC
- Spring Boot
- Spring Data JPA
- Hibernate
- REST APIs
- Spring Security
- JWT Authentication
- Microservices Basics

Career Opportunities

After completing this course, students can apply for roles such as:



- Java Backend Developer
 - Java Software Developer
 - Spring Boot Developer
 - REST API Developer
 - Java Full Stack Developer
 - Microservices Developer
 - Backend Engineer
 - Software Engineer
 - Application Developer
 - Java Web Developer
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Prerequisites

- Basic Computer Knowledge
- No prior programming experience required (Core Java starts from the basics)



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