Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

JAVA

Advanced Java (Servlets & JSP)

Java • Servlets • JSP • JSTL • JDBC



ADVANCED JAVA MODULE

₹8,000

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Advanced Java (Servlets & JSP)

Syllabus at a glance

01

Java web foundations

02

Java Servlets

03

JSP, EL & JSTL

04

JDBC and SQL

05

Session management and validation

06

Testing and deployment

PORTFOLIO PROJECT

Help Desk Web App

Submit and review support tickets using Java Servlets, JSP views and a JDBC repository.

Advanced Java (Servlets & JSP)

Core concepts

01

Java web foundations

Understand HTTP methods and status codes and configure a Java web application in a practice server.

02

Java Servlets

Work with servlet lifecycle, route mapping, request parameters, responses, forwarding and redirects.

03

JSP, EL & JSTL

Render lists, forms and messages using JavaServer Pages, Expression Language and JSTL.

TOOLS & TOPICS

Java • Servlets • JSP • JSTL • JDBC

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Applied skills

04

JDBC and SQL

Use a DAO and prepared statements to create and update tickets and map database results.

05

Session management and validation

Use sessions, filters and access checks. Handle invalid inputs and failed updates.

06

Testing and deployment

Test the browser-to-database flow, build an application package and document how to run it.

TOOLS & TOPICS

Java • Servlets • JSP • JSTL • JDBC

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Portfolio project

Help Desk Web App

Submit and review support tickets using Java Servlets, JSP views and a JDBC repository.



Model the domain

Identify data, actions and boundaries before writing the first class.

Check a failure

Write a test for a rejected operation and confirm the data stays consistent.

A runnable Java project, test results and notes on design and error handling.

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Project checklist

Use these checks to prepare your project demo or portfolio handoff.

01

Trace a submission

Show how the servlet accepts valid form data and how JSP displays the confirmation.

02

Validate access and errors

Test a missing field, a rejected action and a failed data update.

03

Demonstrate deployment

Share sample database records and instructions for running the web application.

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Course fees

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₹8,000

Contact admissions for current batches, class timings and enrolment details.

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SCAN FOR MAP

View course details online

Advanced Java (Servlets & JSP)

Course content

MODULES 01–02

01 Java web foundations

Lessons & practice

- HTTP request and response
- Java web application structure
- Server deployment and configuration

HANDS-ON

Run a sample Java web application and inspect the response for a missing route.

02 Java Servlets

Lessons & practice

- Servlet mapping and lifecycle
- GET and POST handling
- Forwarding and redirects

HANDS-ON

Accept a ticket form in a servlet, forward with errors and redirect after success.

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MODULES 03–04

03 JSP, EL & JSTL

Lessons & practice

- JSP views and Expression Language
- JSTL lists and conditions
- Form feedback and MVC separation

HANDS-ON Render a ticket list and show a validation error without losing the submitted data.

04 JDBC and SQL

Lessons & practice

- JDBC connections and DAO design
- Prepared statements
- ResultSet mapping and transaction basics

HANDS-ON Save a ticket from the servlet and reload it through a DAO query.

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MODULES 05–06

05 Session management and validation

Lessons & practice

- Sessions and access checks
- Servlet filters
- Validation, exceptions and rollback

HANDS-ON

Check a restricted action and confirm a failed ticket update leaves the data intact.

06 Testing and deployment

Lessons & practice

- Package and deploy the app
- Browser and repository testing
- Logs and handoff

HANDS-ON

Run the complete support-ticket workflow on a practice server and document the setup.