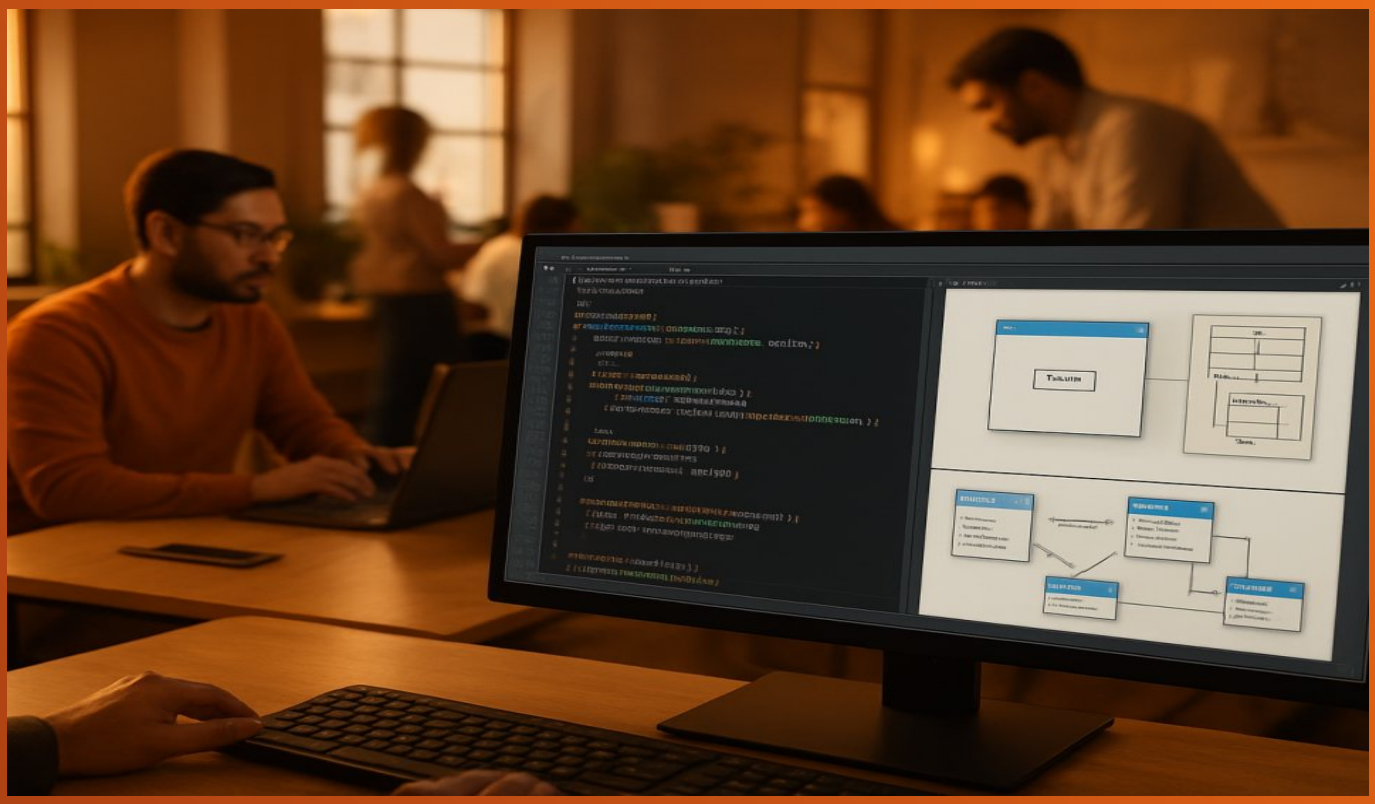
शासकीय कंप्यूटर प्रशिक्षण बोर्ड

Shaskiya Computer Training Board

(Run By GSIDC Nagpur)



CERTIFICATE COURSE | IT & TECHNOLOGY SECTOR

Java Programming

Build practical Java programming skills through core concepts, databases and project work.

DURATION	ELIGIBILITY	SUBJECTS	CERTIFICATE
6 Months	10th Pass	6	SCT Board

sctboard.in

About the Program

This six-month Java Programming course introduces students to programming concepts and the Java language. It covers Java Fundamentals, Object Oriented Programming and Java GUI Programming, helping learners understand how to write, organise and test code. Students also explore database connectivity and web applications, building knowledge step by step through the listed subjects.

The course includes Java Project, where learners can apply concepts covered during their studies. It is suitable for beginners interested in software development and for learners who want to strengthen their computing skills. Teaching mode, timetable, assessment arrangements and course support may vary by authorised study centre, so check the details with your chosen centre.

01

6 Subjects
All important topics of the course together

6 Months Total
Practical lab training along with theory

02

03

10th Pass
Minimum eligibility

Online Exam
Online exam and result at the end of the course

04

05

Board Certificate
Marksheet and certificate, online verification

Who is this course for?

- 10th pass students
- 12th pass students
- Aspiring programmers
- Computer skills learners

Program Highlights

01
Java Fundamentals
Learn Java syntax, data types and the basics of writing programs.

02
Object-Oriented Concepts
Study classes, objects and other core object-oriented programming ideas.

03
GUI Programming
Explore how Java applications can provide a graphical user interface.

04
Database Connectivity
Learn the basics of connecting Java programs to databases using JDBC.

05
Web Applications
Get an introduction to developing web applications with Java.

06
Project Work
Apply course concepts through a Java project.

Program Curriculum

Java Programming · 6 Months · 6 Subjects

MODULE 01

Module 1: Java Fundamentals
Subject Code: JP101 | Theory | Marks (Pass/Max): Theory 35/100
- » Java syntax
- » Data types and variables
- » Operators and expressions
- » Control statements

MODULE 02

Module 2: Object Oriented Programming
Subject Code: JP102 | Theory | Marks (Pass/Max): Theory 35/100
- » Classes and objects
- » Inheritance
- » Polymorphism
- » Encapsulation

MODULE 03

Module 3: Java GUI Programming
Subject Code: JP103 | Theory | Marks (Pass/Max): Theory 35/100
- » GUI components
- » Event handling
- » Layouts
- » Forms and windows

MODULE 04

Module 4: JDBC & Database Connectivity
Subject Code: JP104 | Theory | Marks (Pass/Max): Theory 35/100
- » JDBC basics
- » Database connections
- » SQL queries
- » Reading query results

MODULE 05

Module 5: Web Applications in Java

Subject Code: JP105 | Theory | Marks (Pass/Max): Theory 35/100

- Web application basics
- Servlets
- Request and response
- Web application structure

MODULE 06

Module 6: Java Project

Subject Code: JP106 | Theory | Marks (Pass/Max): Theory 35/100

- Project planning
- Program design
- Implementation
- Testing and presentation

Skills & Tools

You will work hands-on with these during the course.

Java	**OOP concepts**	**Coding**	**GUI design**
JDBC	**Web development**	**Debugging**	**Project planning**

Career Opportunities

After the course you can work in these fields.

Junior Java Developer
Software firms and development teams.

Application Developer
Organisations building desktop or business applications.

Web Application Developer
Web development companies and digital teams.

Junior Software Tester
Software companies and quality assurance teams.

Database Support Assistant
IT support teams working with database applications.

Programming Support Assistant
IT departments and software service providers.

Get Certified

After completing the course and passing the online exam, the Shaskiya Computer Training Board marksheet and certificate are given, which are verified on the website with a QR code.



FAQs

What is the minimum eligibility for this course?
The minimum eligibility is 10th Pass. Contact an SCT Board authorised study centre to confirm any additional admission requirements.

How long is the Java Programming course?
The course duration is six months. The timetable and class schedule may vary by authorised study centre.

What mode of study is available?
Study mode and available facilities can vary between centres. Please check with your preferred SCT Board authorised study centre before applying.

How is the course exam conducted?
Assessment and exam arrangements are shared by the authorised study centre. Ask the centre about the exam format and schedule.

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LET'S TALK

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For admission: sctboard.in/addmission-form