★ AI-INTEGRATED COURSE

NXT CERTIFIED JAVA PROGRAMMING

Launch your career as a Java Developer today!

Duration: 6 Month | **Certificate** · Beginner | **Eligibility:** Basic understanding of programming concepts. No prior Java e

OVERVIEW OF THE COURSE

Join the NxT Certified Java Programming course to gain a comprehensive understanding of Java programming language. This course is designed for both beginners and experienced programmers looking to enhance their skills. Learn Java fundamentals, object-oriented programming, and advanced concepts. Hands-on projects to solidify your...

- Beginner-friendly curriculum
- Hands-on projects and practice
- Expert guidance throughout
- Access to industry professionals
- Create real-world applications



6 Month DURATION

8 SUBJECTS

4 PROJECTS

13 TOOLS

JOIN NOW →

WhatsApp us

WE ARE AVAILABLE AT
600+ LOCATIONS

NOT SURE WHICH COURSE IS RIGHT FOR YOU?
Choose the Best Course for You - Try our AI-Powered Career Counselling for FREE

Start free →

YOUR NEAREST ISDM NxT CENTRE

VMS Technocrats Solutions

61A, VMS TECHNOCRATS SOLUTIONS, Opp to Underdog Gym, Kuntrathur Main Road, Kumananchavadi, Mangadu Contonment, Mangadu, Chennai-600122, Tamil Nadu, Tamil Nadu - 600122

Call / WhatsApp: **99658389000** · vms.technocratssolutions@gmail.com

Scan to enquire

COURSE CURRICULUM

What you will learn

01 Subjects → | 02 Projects → | 03 Tools → | 04 AI Integration

01 Subjects & modules

6 subjects with the topics you will learn

01 Introduction to Java & Programming Basics

- Java Overview, History And Features
- Java Setup, JDK And IDE
- Program Structure And Basic Syntax
- Variables, Data Types And Operators
- Conditional Statements And Loops
- Console Input, Output And Type Casting
- Exception Handling, Comments And Formatting

02 Object-Oriented Programming (OOP) in Java

- Classes And Objects
- Constructors And Initialization
- Encapsulation And Access Modifiers
- Inheritance And Reuse
- Overloading, Overriding, And Polymorphism
- Abstraction, Abstract Classes, And Interfaces

03 Java Arrays, Strings & Collections

- One-Dimensional Arrays
- Multidimensional And Jagged Arrays
- Array Searching And Bubble Sort
- String Handling And Methods
- StringBuffer And StringBuilder
- Lists, Maps, And Sets
- Collection Iteration And Wrapper Classes

04 Exception Handling, File I/O & Threads

- Exception Handling With Try-Catch-Finally
- Multiple And Nested Exception Handling
- Throw, Throws, And Custom Exceptions
- File Reading, Writing, And Streams
- Thread Creation, Lifecycle, And Priorities
- Thread Synchronization And Communication
- Exception Handling In File And Thread Operations

05 GUI Programming with Java Swing & AWT

- AWT And Swing Fundamentals
- Swing Components And Input Controls
- GUI Layout Managers
- Event Handling And Listeners
- Dialog Boxes And Menus
- Form Validation
- Login And Calculator Projects

06 Database Connectivity (JDBC) & Mini Project

- Database And MySQL Fundamentals
- JDBC Architecture And Driver Types
- Connecting Java To MySQL
- Executing Queries With PreparedStatement
- Processing Result Sets And Closing Resources
- Exception Handling In Database Applications
- CRUD Operations And Swing MVC Projects

02 Projects & assignments

Hands-on work for your portfolio

P1 Create a simple Java application using basic syntax and control structures.

P2 Develop a GUI application using Java Swing.

P3 Implement a project utilizing object-oriented principles.

P4 Work on a team project to build a comprehensive Java-based system.

03 Tools & software you will master

4 industry tools

- Java
- Eclipse
- MySQL
- SW Swing

04 AI Integration

How AI is used inside the work of this course

AI SUBJECT

AI Fundamentals & Prompt Engineering

- **AI Basics and Everyday Uses**
- **Generative AI: How It Works**
- **Prompt Engineering Foundations**
- **AI for Study and Workplace Tasks**
- **Fact-Checking and Reliable Research**
- **Privacy, Safety and Responsible Use**
- **Integrated Practice and Review**

AI SUBJECT

AI for Programming & Web Development

- **AI Pair Programming Setup: VS Code and GitHub Copilot**
  GitHub Copilot in VS Code: Sign in, use inline suggestions and Chat, then try agent mode o
- **AI-Assisted Front-End Development**
  GitHub Copilot in VS Code: Use inline suggestions and Chat while building and refining a r
- **Python Coding and AI Agents in the Editor and Terminal**
  Claude Code in Terminal and project files: Install or access it using the current official
- **GitHub Team Workflow and AI Code Review**
  GitHub Copilot code review in GitHub pull requests: Request a review on a practice pull re
- **Calling AI APIs from Your Own App**
  OpenAI API in A local app or server-side project: Create an API key with available account
- **AI-Assisted Testing, Debugging and Documentation**
  GitHub Copilot Chat in VS Code: Use project context to suggest tests or explain a failure,
- **AI-Assisted Deployment and Final Project**
  GitHub Copilot in VS Code: Ask for help preparing or explaining deployment files, then rev

AI TOOLS YOU WILL USE

- CH ChatGPT
- Google Gemini
- GitHub Copilot
- VS Code
- GitHub
- Claude
- MC Microsoft Copilot
- Perplexity
- NotebookLM

CAREER OPPORTUNITIES

Where this course can take you

Java Developer
Fresher salary: ₹3.0-4.5 LPA*

Software Engineer
Fresher salary: ₹3.0-4.8 LPA*

Application Developer
Fresher salary: ₹2.5-4.0 LPA*

Backend Developer
Fresher salary: ₹3.0-5.0 LPA*

Technical Consultant
Fresher salary: ₹3.5-5.5 LPA*

Freelancing & own business

- Develop custom Java applications
- Offer software development services
- Create and sell Java-based tools
- Consult for businesses on Java solutions

Industries that hire

- IT Services
- Software Development
- E-commerce
- Finance
- Healthcare

Grow further

- Advanced Java Programming
- Full Stack Development
- Cloud Computing
- Data Science

Certification

Receive an NxT Certified Java Programming certificate upon successful completion of the course.

Practical AI-integrated project | Final online test | Verifiable certificate

JOB SUPPORT

How we help you get a job

1. Resume building assistance
2. Mock interview sessions
3. Access to job offers
4. Guidance on job applications

* Typical fresher salary ranges in India; the actual salary depends on the employer, the city and your skills.

WHY START NOW

Your future is built by the skills you learn today.

Companies hire people who can do the work. People who use AI well at work are in demand - this course teaches you the job skills and the AI tools together. Every month you practise adds a project to your portfolio - the best time to start is now.

18+	600+	2,708+	390+
Years of training experience	Centres across India	Job offers to our students	Hiring companies

UNIQUE FEATURES AT ISDM NxT

- ✓ Free pre-counselling to choose the right course
- ✓ Study material, attendance, assignments, exams and results online from day one
- ✓ 24x7 AI trainer (ChatNxT) for your doubts
- ✓ Experienced, rated trainers and daily class feedback
- ✓ Practical lab sessions and live projects
- ✓ Monthly online mentorship sessions
- ✓ Resume, mock interviews and job offers in your student dashboard
- ✓ Freelancing and start-up guidance

● LIVE PLACEMENT DATA

Latest job offers to ISDM NxT students

Updated 20 Nov 2026



Gaurav M.
India
Java Software Development Engineer
Health Catalyst



Geeta K.
New Delhi
tellecaller for digital marketing
balajimarketingexperts



Anand S.
Muvattupuzha
Hiring Junior Account Executive J...
CorpZop



Adarsh S.
Ghugus
TGT Computer Science
Adani Foundation



Priyanka Y.
Mumbai
Data Entry Operator (Full-time) -...
CorpZop



Rajan S.
Ahilyanagar
Computer Trainer
Enlearning skill development Ltd

Job offers shared with our students through the ISDM NxT job network. See all at isdmnext.in/latest-placement

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Complete your admission within **10 days** and join the ISDM NxT Ambassador Affiliate Programme free of cost: refer friends, earn referral rewards as per the programme and get featured on the ambassador leaderboard.

CLAIM NOW

TAKE THE FIRST STEP

Book your FREE counselling session today

Meet our counsellor, see the lab, get your doubts answered and know the current fees and offers for your centre.

YOUR ISDM NxT CENTRE

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Choose the Best Course for You

Try our AI-Powered Career Counselling for FREE - answer a few questions and get the courses that fit your interests, skills and career goal.

Try it FREE →
isdmnext.in/course-for-you

01 Counselling
Free guidance to pick the right course

02 Training
Practical classes, labs and projects

03 Mentoring
Experts, AI trainer and feedback

04 Placement support
Resume, interviews and job offers

What you get with this course

- Comprehensive study material
- Hands-on practical lab sessions
- Live projects for experience
- 24x7 AI trainer support
- AI-driven career counselling
- Interview preparation resources

ISDM NxT Head Office: 309, Saffron Plaza, Airport Road, Vadodara, Gujarat, 390022 · +916263625594 · inquiry@gmail.com

Fees depend on the centre and current offers - ask your counsellor. Course content may be updated to stay current with industry needs. · isdmnext.in