ISDM Independent Skill Development Mission NXT



★ 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
**Sumit Das**
S.c Ghosh Street, Shyamnagar Chowrongi, Maa Annapurna Building, Beside Bazar Kolkata - 743144, North 24 Parganas, West Bengal - 743144
Call / WhatsApp: **9073257334** · isdmnxt.kolkata@yahoo.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

LIMITED SEATS · VALID TILL 30 NOV 2026

## FREE Ambassador Affiliate Programme

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

## Sumit Das

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**Call: 9073257334**

Email: isdmnxt.kolkata@yahoo.com

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Scan for course details & enquiry

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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