ISDM Independent Skill Development Mission NXT



★ AI-INTEGRATED COURSE

# NXT CERTIFIED JUNIORS CODING COURSE (7-10 GRADE)

**Unlock your child's future with coding skills!**

**Duration:** 3 Month | **Certificate** · Intermediate | **Eligibility:** Students in grades 7 to 10 with an interest in coding and te

## OVERVIEW OF THE COURSE

Welcome to the NxT Certified Juniors Coding Course designed specifically for students in grades 7 to 10! This immersive 3-month program will introduce young minds to the exciting world of coding and technology. Learn the fundamentals of programming languages such as Python and JavaScript. Engage in hands-on projects that foster...

- Hands-on projects for real-world experience
- Learn Python and JavaScript fundamentals
- Collaborate with peers on innovative ideas
- Develop critical thinking and problem-solving
- Explore AI and future technologies




| 3 Month | 10 | 4 | 14 |
|---|---|---|---|
| DURATION | SUBJECTS | PROJECTS | 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
**ISDM Manglore**
ISDM Mangalore, GF, Calista Rose, Opp Police Station, Kankanady Post, Dakshina Kannada, Karnataka - 575002
Call / WhatsApp: **07353877863** · francis_louis_in@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 Coding & Logical Thinking

- Coding Fundamentals And Languages
- Coding Process And Real-World Applications
- Importance And Careers In Coding
- Algorithms And Problem Solving
- Flowcharts And Symbols
- Scratch Interface And Block Coding
- Creating Scratch Animations And Games

### 02 Introduction to Python Programming

- Python Features And Applications
- Python Career Opportunities
- Python Setup And First Program
- Variables Data Types And Operators
- Conditional Statements And Loops
- Functions And User Input
- Error Handling And Practical Programs

### 03 Python for Beginners - Hands-on Projects

- Lists, Tuples, And Dictionaries
- Python File Handling
- CSV, JSON, And File Errors
- Object-Oriented Programming Concepts
- Password Generator And Number Guessing Game
- Chatbot And Project Assignments

### 04 Web Development Basics (HTML & CSS)

- Web Development Concepts And Tools
- HTML Structure And Basic Pages
- HTML Text, Lists, Links, And Images
- HTML Forms And Page Projects
- CSS Methods, Selectors, And Styling
- Portfolio Design, Responsiveness, And Hosting
- Interactive Forms And JavaScript Validation

### 05 JavaScript for Beginners & Interactive Websites

- JavaScript Basics And Setup
- Variables Data Types And Functions
- DOM Selection And Manipulation
- Events And Form Validation
- Rock Paper Scissors Game
- Combining HTML CSS And JavaScript
- Interactive To-Do Lists And Quizzes

### 06 Introduction to AI, Chatbots & Future Technologies

- Artificial Intelligence Fundamentals
- Machine Learning Methods and Applications
- AI Applications Across Industries
- Natural Language Processing and Computer Vision
- Building and Deploying Chatbots
- Coding and AI Career Pathways
- Final Projects and Certification

## 02 Projects & assignments

Hands-on work for your portfolio

**P1** Build a personal website using HTML, CSS, and JavaScript.

**P2** Create a simple game using Python and Pygame.

**P3** Develop a coding project in teams to present at the end of the course.

**P4** Complete weekly coding challenges to reinforce learning.

## 03 Tools & software you will master

4 industry tools

Python

HTML

CSS

JavaScript

## 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 SUBJECT

## AI for School Students

- **AI Basics and First Study Prompts**
  Google Gemini in Gemini web app · ChatGPT in ChatGPT web app
- **AI Study Helpers: Explain, Quiz and Review**
  Google Gemini in Gemini web app · ChatGPT in ChatGPT web app
- **NotebookLM and AI Tutor Study Sessions**
  NotebookLM in NotebookLM web app · Khan Academy Khanmigo or a Khanmigo-style AI tutor in G
- **Canva AI for School Projects and Presentations**
  Canva AI features in Canva design editor and presentation workspace
- **Scratch Block Coding with AI-Assisted Ideas**
  Scratch with Google Gemini or ChatGPT for idea support in Scratch project editor, with the
- **Teachable Machine: Train a First AI Model**
  Teachable Machine in Teachable Machine web app
- **Safe, Honest and School-Appropriate AI Use**
  Google Gemini and ChatGPT in Gemini and ChatGPT study apps · NotebookLM in NotebookLM web

AI SUBJECT

## AI for Juniors Coding

- **Set Up the AI Coding Workspace**
  Code.org AI Lab in Code.org learning platform
- **Prepare Training Examples**
  Code.org AI Lab in Code.org AI Lab model workspace
- **Train and Check a Model**
  Code.org AI Lab in Code.org AI Lab model workspace
- **Connect the Model to an App**
  Code.org AI Lab model in Code.org App Lab
- **Build and Test an AI App**
  Code.org App Lab with AI Lab model in Code.org App Lab
- **Responsible Use and Project Demo**
  Code.org App Lab with AI Lab model in Code.org App Lab

AI TOOLS YOU WILL USE

ChatGPT · Google Gemini · GitHub Copilot · VS Code · GitHub · Claude · NotebookLM · Canva AI · Microsoft Copilot · Perplexity

CAREER OPPORTUNITIES

# Where this course can take you

**Software Developer**
Fresher salary: ₹3.0-5.0 LPA*

**Game Developer**
Fresher salary: ₹3.0-6.0 LPA*

**Web Developer**
Fresher salary: ₹2.5-4.5 LPA*

**Data Analyst**
Fresher salary: ₹3.2-5.2 LPA*

**AI Developer**
Fresher salary: ₹4.0-7.0 LPA*

### Freelancing & own business

- Developing websites for local businesses
- Creating educational games for kids
- Building chatbots for customer service
- Offering coding lessons online

### Industries that hire

- Information Technology
- Gaming
- Web Development
- Education Technology
- Artificial Intelligence

### Grow further

- Advanced Coding Course
- Robotics and Automation Course
- Game Development Course
- Data Science Introduction Course

## Certification

Upon successful completion, students receive an NxT Certified certificate, showcasing their coding skills.

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

JOB SUPPORT

# How we help you get a job

**1** Resume building workshops

**2** Mock interview sessions

**3** Access to job offers

**4** Guidance on 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

## ISDM Manglore

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Scan for course details & enquiry

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**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
- Practical lab sessions
- Live project experience
- 24x7 AI trainer support
- AI career counselling
- Interview preparation assistance
- Job offers on student dashboard
- Certification upon completion

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