★ AI-INTEGRATED COURSE

NXT CERTIFIED FULL STACK DEVELOPER

Become a Full Stack Developer and build web solutions with AI

Duration: 1 Year | **Certificate** · Advanced | **Eligibility:** Candidates should have a basic understanding of programming

OVERVIEW OF THE COURSE

Build skills in front-end and back-end development in this one-year, AI-integrated course. Learn HTML, CSS, JavaScript, React or Angular, Node.js, Express.js, database management, testing, and deployment. Learn to use AI tools in web development: practise writing prompts, get support with code, explore solutions, and assist with...

- Learn frontend and backend development
- Build responsive full-stack web applications
- Practise with frameworks and databases
- Develop and deploy a capstone project
- Use AI tools to support coding



1 Year	10	4	17
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
V tech Academy
VTECH ACADEMY, FATHIMA TOWER, NARIKKALMUKKU, KALLAMBALAM ROAD, PALACHIRA P.O, VARKALA, TRIVANDRM DISTRICT, KERALA , 695143, Thiruvananthapuram, Kerala - 695143
Call / WhatsApp: **9567444361** · info@vtechbs.com

Scan to enquire

COURSE CURRICULUM

What you will learn

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

01 Subjects & modules

8 subjects with the topics you will learn

01 Introduction to Full Stack Development & Frontend Basics

- Full-Stack Architecture And Workflow
- Development Tools And Version Control
- HTML Document Structure
- CSS Styling And Layouts
- Responsive Design With Media Queries
- JavaScript Variables, Data Types, And Operators

02 Advanced JavaScript & Frontend Frameworks

- Arrow Functions, Spread And Rest
- Promises And Async/Await
- Working With APIs Using Fetch And Axios
- React Components, Props And State
- React Hooks: useState And useEffect
- Conditional Rendering And Forms
- Routing With React Router

03 Backend Development with Node.js & Express.js

- JavaScript Runtime And Event Loop
- Node.js File System And Modules
- Asynchronous Programming In Node.js
- Express Setup And Routing
- Middleware, Routes, And Controllers
- Database Integration And CRUD APIs
- JWT Authentication And Token Management

04 Database Management

- Relational And NoSQL Database Concepts
- SQL Queries And CRUD Operations
- PostgreSQL Setup And Node.js CRUD
- MongoDB Documents And CRUD
- MongoDB REST API Development
- Mongoose Models And Middleware
- Express Database Connectivity

05 Advanced Full Stack Development

- Full Stack Project Structure
- React And Node.js Integration
- State Management And API Integration
- Role-Based Authentication And Access Control
- Google And Facebook OAuth
- Caching And API Optimization

06 DevOps & Deployment

- Git Version Control And Collaboration
- GitHub Pull Request Workflows
- Web App Deployment Platforms
- CI/CD Pipelines And Automation
- AWS EC2 And S3 Hosting
- Firebase Full-Stack Deployment
- Netlify And Heroku App Deployment

07 Testing, Debugging & Performance Optimization

- Chrome DevTools Debugging
- Frontend And Backend Error Handling
- JavaScript Testing With Jest And Mocha
- API Testing With Postman
- Code Splitting And Lazy Loading
- Image And Asset Optimization
- Performance Measurement And Optimization

08 Capstone Project & Career Development

- Full-Stack Project Development
- Feature Implementation And Optimization
- Resume And GitHub Portfolio
- Technical Interview Preparation
- Freelance Client Acquisition
- Scalable MVP Development
- Project Presentation Skills

02 Projects & assignments

Hands-on work for your portfolio

P1 Develop a personal portfolio website showcasing your skills.

P2 Create a RESTful API for a web application.

P3 Build a full-stack e-commerce application.

P4 Collaborate on a group project to develop a web-based solution.

03 Tools & software you will master

8 industry tools

HTML · CSS · JavaScript · Node.js · Express.js · React · Angular · SQL

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**

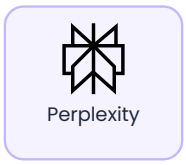
AI SUBJECT

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

ChatGPT · Google Gemini · GitHub Copilot · VS Code · GitHub · Claude · Microsoft Copilot


Perplexity


NotebookLM

CAREER OPPORTUNITIES

Where this course can take you

Full Stack Developer
Fresher salary: ₹3.0-5.0 LPA*

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

Software Engineer
Fresher salary: ₹3.0-5.5 LPA*

Technical Consultant
Fresher salary: ₹3.0-6.0 LPA*

UI/UX Developer
Fresher salary: ₹2.8-4.5 LPA*

Freelancing & own business

- Build websites for local businesses
- Offer custom web applications
- Create and sell templates
- Consult on web development projects

Industries that hire

- Information Technology
- E-commerce
- Finance
- Healthcare
- Education

Grow further

- Advanced Web Development
- Mobile App Development
- Data Science and Analytics
- Cloud Computing Certification

Certification

Upon successful completion, you will receive the NxT Certified Full Stack Developer certificate from ISDM NxT.

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

JOB SUPPORT

How we help you get a job

1. Personalized resume building assistance
2. Mock interviews to boost confidence
3. Access to job offers and applications
4. Networking opportunities with industry professionals

* 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

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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
- Practical lab sessions
- Live projects for hands-on experience
- 24x7 AI trainer support
- AI-driven career counselling
- Interview preparation workshops
- Job offers in student dashboard
- Certification upon course 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