★ AI-INTEGRATED COURSE

ADVANCE DIPLOMA IN COMPUTER SCIENCE AND ENGINEERING

Launch your tech career with advanced skills in programming!

Duration: 6 Month | **Advanced Diploma** · Advanced | **Eligibility:** Candidates should have a Bachelor's degree in Computer Scien

OVERVIEW OF THE COURSE

The Advance Diploma in Computer Science and Engineering is a comprehensive program designed to equip students with advanced knowledge and skills in the field of computer science. This course covers a wide range of topics including programming, software development, networking, and data management. Duration: 6 months Fees: ₹25,00...

- Hands-on projects for real-world experience
- Expert instructors with industry insights
- Comprehensive coverage of advanced topics
- Focus on modern development methodologies
- Preparation for industry certifications



6 Month	12	4	12
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

10 subjects with the topics you will learn

01 Software Developer

- C, C++, And Python Fundamentals
- Object-Oriented Programming
- Core Data Structures
- Algorithms And Problem Solving
- Software Engineering, SDLC, And Git
- Console Applications And CRUD Operations
- HTML, CSS, And JavaScript Basics

02 Systems Analyst

- System Analysis And Requirement Gathering
- Feasibility Study
- UML, Use Cases, And Flowcharts
- Agile Methodology And Scrum
- System Design And Data Modeling
- Prototyping And Software Architecture
- Design Patterns And Software Testing

03 Database Administrator

- Database Concepts, Types, And Architecture
- RDBMS, MySQL, And PostgreSQL
- SQL Queries, Joins, And Functions
- Database Normalization And Normal Forms
- Database Backup, Recovery, And Disaster Planning
- Indexing And Query Optimization
- NoSQL Databases And MongoDB

04 Network Engineer

- OSI And TCP/IP Models
- IP Addressing And Subnetting
- Routing And Network Devices
- Linux Commands And Shell Scripting
- Windows Server Administration
- Network Security And Threats
- Network Configuration And Troubleshooting

05 AI/Machine Learning Engineer

- AI Foundations, Types, And Applications
- NumPy And Pandas For Data Analysis
- Scikit-Learn Fundamentals
- Supervised And Unsupervised Learning
- Neural Networks And Deep Learning
- AI Ethics And Responsible Principles
- End-To-End Spam Detection Pipeline

06 Cybersecurity Analyst

- Cybersecurity Fundamentals And Risk Management
- Cyber Threats And Incident Response
- Cryptography And Key Management
- Firewalls And Network Defense
- Intrusion Detection And Prevention
- Ethical Hacking And Penetration Testing
- Web Application Security

07 Cloud Solutions Architect

- Cloud Fundamentals And Governance
- Cloud Service Models
- AWS Azure And GCP Services
- Virtualization And Docker Containers
- Cloud Architecture Design
- Hosting Applications On AWS And Azure
- Load Balancing Autoscaling And Security

08 IoT Developer

- IoT Fundamentals And Applications
- IoT Architecture And Communication Protocols
- Arduino And Raspberry Pi Basics
- IoT Sensors And Actuators
- Smart Home And Smart City Concepts
- IoT Cloud Integration And Edge Computing
- Building And Visualizing An MQTT IoT System

09 Graphics Programmer`

- Computer Graphics Fundamentals
- Graphics Libraries And APIs
- Rendering Pipelines
- Animation Techniques
- Graphics Shaders
- Game Development And Engines
- 2D And 3D Game Design

10 Project Manager

- Project Management Fundamentals
- Project Lifecycle And Planning
- Agile Methods And Project Tools
- Risk Management And Quality Assurance
- Capstone And Team Application Development
- Project Submission And Evaluation
- Presentation, Demonstration And Viva Assessment

02 Projects & assignments

Hands-on work for your portfolio

P1 Build a fully-functional web application using a chosen programming language.

P2 Design and implement a database for a real-world application.

P3 Create a networking project that demonstrates security measures.

P4 Develop a software solution to solve a specific business problem.

03 Tools & software you will master

4 industry tools

- Python
- MySQL
- AWS
- TensorFlow

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 Office Productivity (Word, Excel, PowerPoint)

- **Safe AI use and prompt basics for office work**
  Microsoft 365 Copilot and Gemini for Google Workspace in Microsoft 365 and Google Workspac
- **AI-assisted documents and email in Microsoft 365**
  Microsoft 365 Copilot in Word: Create, rewrite and summarise a workplace letter or report,
- **AI formulas, data cleaning and analysis in Excel**
  Microsoft 365 Copilot in Excel: Generate or explain formulas, analyse a table and create a
- **AI presentations in PowerPoint and Google Slides**
  Microsoft 365 Copilot in PowerPoint: Create or revise a presentation from a prompt or supp
- **Gemini in Google Workspace: documents, spreadsheets and email**
  Gemini for Google Workspace in Google Docs: Draft, rewrite or summarise a document and ver
- **AI-assisted calendar, meetings and task management**
  Microsoft 365 Copilot in Microsoft Teams, Microsoft To Do and Planner: Review an available
- **AI connectors and office-work automation**
  ChatGPT connectors in Gmail, Google Calendar and Google Drive where supported: Connect an

AI TOOLS YOU WILL USE

- Google Gemini
- Microsoft Copilot
- ChatGPT
- Claude
- Power Automate
- Zapier
- Perplexity


NotebookLM

CAREER OPPORTUNITIES

Where this course can take you

Software Developer
Fresher salary: ₹3.0-5.0 LPA*

Database Administrator
Fresher salary: ₹3.2-4.8 LPA*

Network Engineer
Fresher salary: ₹2.8-4.5 LPA*

Systems Analyst
Fresher salary: ₹3.5-5.5 LPA*

IT Project Manager
Fresher salary: ₹4.0-6.0 LPA*

Freelancing & own business

- Developing websites and applications
- Offering database management services
- Providing IT consultancy
- Creating custom software solutions

Industries that hire

- Information Technology
- Finance and Banking
- Healthcare
- E-commerce
- Telecommunications

Grow further

- Master's in Computer Science
- Specialized certifications in AI or Cloud Computing
- Advanced courses in Cybersecurity
- Training in Data Science

Certification

Upon successful completion, you will receive an ISDM NxT certificate that showcases your skills and knowledge.

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

JOB SUPPORT

How we help you get a job

1 Personalized resume crafting assistance

2 Mock interviews to boost confidence

3 Access to job offers tailored for you

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

V tech Academy

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WhatsApp: 0097470402426

Email: info@vtechbs.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
- Practical lab sessions
- Live projects for hands-on experience
- 24x7 AI trainer support
- AI career counselling sessions
- Interview preparation resources
- Job offers in your student dashboard
- Certificate upon assessment 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