ISDM Independent Skill Development Mission NXT

EMPOWERING FUTURES,
SHAPING TOMORROW

★ AI-INTEGRATED COURSE

# SOFTWARE TESTING AND QUALITY ASSURANCE

**Duration:** 2 Month | **Certificate** | **Eligibility:** Basic knowledge of software development and programming conc

## OVERVIEW OF THE COURSE

Welcome to the Software Testing and Quality Assurance course, where you will gain essential skills to ensure the quality of software products. This program is designed for aspiring testers and quality assurance professionals. Learn the fundamentals of software testing. Explore various testing methodologies and tools. Understand...

- Understand different types of software testing, including manual and automated testing.
- Gain proficiency in using testing tools and frameworks.
- Learn to write effective test cases and test plans.
- Develop skills to identify and report defects in software.
- Understand the importance of quality assurance in the software development lifecycle.



| 2 Month | 7 | 4 | 9 |
|---|---|---|---|
| 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
**SOCTECH COMPUTER EDUCATION**
Soctech Computer Education Rajakkad P.O Rajakkad,Idukki Kerala (685566), Kerala - 685566
Call / WhatsApp: **7306570796** · soctecheducation@gmail.com

Scan to enquire

COURSE CURRICULUM

# What you will learn

01 Subjects → | 02 Projects → | 03 AI Integration

## 01 Subjects & modules

5 subjects

- **01** Introduction to Software Testing & QA
- **02** Manual Testing Essentials
- **03** Automation Testing Basics with Selenium
- **04** API Testing with Postman + Intro to CICD
- **05** Live Project – End-to-End QA Flow

## 02 Projects & assignments

Hands-on work for your portfolio

- **P1** Create a test plan for a given software application.
- **P2** Execute test cases and document results.
- **P3** Conduct exploratory testing on a sample application.
- **P4** Develop automated test scripts using a selected testing tool.

## 03 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

- Software Tester
- Quality Assurance Analyst
- Test Automation Engineer
- Quality Control Specialist
- Software Development Engineer in Test (SDET)

## Certification

The ISDM NxT Certificate is awarded after you successfully complete the course and its final assessment.

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

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

## SOCTECH COMPUTER EDUCATION

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Email: soctecheducation@gmail.com

**ENQUIRE NOW** | **WhatsApp** | **Call 7306570796**

Scan for course details & enquiry

NOT SURE WHICH COURSE IS RIGHT FOR YOU?

### 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

- Study material and online access from day one
- Practical lab sessions and live projects
- 24x7 AI trainer support
- AI career counselling
- Interview preparation
- Job offers in the student dashboard
- ISDM NxT certificate

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