

Since 2007, Making IT Experts & Products

Course: AI Testing & Automation

Duration: 30 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, Salesforce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



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Introduction to AI Testing

- * Software Testing Fundamentals
- * Introduction to AI in Software Testing
- * AI-Assisted Testing Workflow
- * Benefits and Limitations of AI Testing

AI Test Case Generation

- * Requirement Analysis with AI
- * AI-Based Test Case Generation
- * Test Scenario Creation
- * Positive and Negative Test Cases
- * Test Case Optimization

Prompt Engineering for Testers

- * Prompt Engineering Fundamentals
- * Writing Testing Prompts
- * Prompts for Test Case Generation
- * Prompts for Bug Analysis

AI-Assisted Test Automation

- * Introduction to Test Automation
- * AI-Assisted Test Script Generation
- * Automated Test Maintenance
- * Self-Healing Test Concepts
- * AI-Based Test Optimization

Web Application Testing

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- * Functional Testing
- * UI Testing with AI
- * Regression Testing
- * Cross-Browser Testing
- * Automated Web Testing

API Testing with AI

- * REST API Testing Fundamentals
- * AI-Assisted API Test Generation
- * API Test Automation
- * Request and Response Validation

AI for Bug Detection

- * AI-Assisted Bug Detection
- * Error Analysis
- * Root Cause Analysis
- * Bug Classification and Prioritization
- * AI-Generated Bug Reports

AI Test Data Generation

- * Test Data Fundamentals
- * Generating Test Data with AI
- * Synthetic Test Data
- * Test Data Validation

AI Performance Testing

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- * Performance Testing Fundamentals
- * Load and Stress Testing
- * AI-Assisted Performance Analysis
- * Performance Report Generation

AI Testing in CI/CD

- * Continuous Testing
- * AI-Assisted CI/CD Workflows
- * Automated Regression Testing
- * Test Reporting and Quality Gates

Practical AI Testing Project

- * Analyze Requirements Using AI
- * Generate Test Scenarios and Test Cases
- * Create Automated Test Scripts
- * Execute Tests and Analyze Results
- * Generate a Final Test Report

(Click on Course for more details)

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- Thank You -

N.B: This syllabus is not final and can be customized as per requirements / updates.

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