Proleed
ACADEMY

Quality Assurance (QA) Training Course

CURRICULUM

Module I – Manual Testing

- Software Testing Fundamentals
- Quality Parameters
- Principles of Software Testing
- Testing Methods
- Testing Types
- Software Development Life Cycle
- Software Testing Life Cycle
- Static and Dynamic Testing
- Non Functional Testing Methods
- Functional Testing Methods

AI-Assisted Test Case Creation

Module II – Agile Scrum Framework

- Agile Scrum Fundamentals
- Agile Principles
- Agile Scrum Management Tool
- Scrum Roles
- Scrum Events
- Scrum Board
- Scrum Planning and Estimation
- Scrum Monitoring
- Sprint Configuration
- Scrum Reporting

AI-Assisted Agile Documentation

Module III – Bug Reporting with Jira

- Introduction to Jira
- Account Setting
- Dashboard
- Jira Projects
- Project Users
- Issue Types
- Subtasks
- Workflow
- Advanced Search
- Reporting

AI-Assisted Bug Reporting

Module IV – Zephyr

- Features of Zephyr for JIRA
- Installation and Setup
- Create Tests in Zephyr
- Organizing Tests
- Modify and View Tests
- Create Test Cycle
- Add Tests to Test Cycle
- Test Cycle Execution
- Testing Reports
- Test Progress/Metrics

AI-Assisted Test Case Creation

Module V – Eclipse IDE

- Eclipse IDE Overview
- Eclipse IDE Installation
- Eclipse IDE Windows
- Eclipse IDE Views
- Workspaces
- Project Setup
- Packages
- Classes
- Build Project
- Plugins

AI-Assisted Coding & Debugging

Module VI – Git & GitHub

- Git Fundamentals
- Git Repositories
- Clone
- Add & Commit
- Push & Pull
- Branches
- GitHub Repositories
- GitHub Collaboration
- GitHub Actions
- Code Security

AI-Assisted Code Review

Module VII – Java Programming

- Java Programming Fundamentals
- Variables and Datatypes
- Conditional Statements
- Looping Statements
- Collections & Arrays
- Exception Handling
- Methods
- Object Oriented Programming
- Classes & Objects
- Constructors

AI-Assisted Java Coding

Module VIII – HTML + CSS Fundamentals

- Introduction to HTML
- HTML Page Structure
- HTML Tags
- Cascading Style Sheet (CSS)
- CSS Selectors
- HTML Div Tag
- HTML Navigation Tags
- HTML Form
- HTML Input Tags
- Responsive Web Design

AI-Assisted Code Analysis

Module IX – Selenium IDE

- Selenium IDE Fundamentals
- Selenium IDE Installations
- Selenium IDE Panels
- Test Suite & Test
- Recording & Playing Test
- Debugging Test
- Locating Strategies
- Assertions Commands
- Accessors Commands
- Actions Commands



AI-Assisted Test Creation

Module X – Selenium WebDriver

- Selenium WebDriver Fundamentals
- WebDriver Installations in Java
- Browser Commands
- Navigation Commands
- Locating Web Elements
- Drop Down Selections
- Check Box & Radio Button Selections
- Exception Handling
- Switching Windows
- Waits

✨ AI-Assisted Automation Scripting

Module XI – TestNG Framework

- TestNG Basics
- Running Test Cases
- TestNG XML File
- Exclude/Include Test Cases
- Running Test Cases with Regex
- TestNG Groups
- TestNG Annotations
- Annotation Attributes
- TestNG Parameters
- TestNG Listeners

AI-Assisted Test Suite Creation

Module XII – BDD Cucumber

- Cucumber Introduction
- Test Driven Development (TDD)
- Behavior Driven Development
- Gherkin Language
- Cucumber Set Up in Eclipse
- Feature File
- Step Definition
- Runner Class
- Page Object Model
- Data Driven Testing

AI-Assisted Gherkin Scenarios

Module XIII – Playwright

- Playwright Fundamentals
- Installation & Setup
- Locators
- Browser & Page Interactions
- Assertions
- Waits
- Screenshots
- Multiple Tabs & Windows
- End-to-End Testing
- Cross-Browser Testing

✨ AI-Assisted Test Automation

Module XIV – API Testing with Postman

- Introduction to API Testing
- Postman Configuration
- Postman Collections
- HTTP Request and Methods
- Request Parameters
- Request Authorization
- Postman Asserts
- Variables in Postman
- Collection Monitors
- Collaboration

AI-Assisted API Testing

Module XV – SQL & Database Testing

- Database Fundamentals
- Schemas & Tables
- Keys & Relationships
- SELECT Queries
- Filtering & Sorting
- Aggregate Functions
- GROUP BY & HAVING
- JOINs
- Subqueries
- Data Manipulation
- Database Validation
- Data Integrity Testing

AI-Assisted SQL Queries

Module XVI – CI/CD with GitHub Actions

- CI/CD Fundamentals
- CI/CD Lifecycle
- Build Pipelines
- Test Pipelines
- GitHub Actions
- Workflow Configuration
- Pipeline Triggers
- Automated Test Execution
- Test Reports
- Pipeline Monitoring

AI-Assisted Pipeline Troubleshooting

Quality Assurance (QA) Training Course

Schedule

Duration

4 Months

(16 Weeks)

Training Schedule

Weekdays Training

Monday to Friday

Weekend Training

Saturday & Sunday

Daily / Weekly Session

Live Online Instructor Led Session



Quality Assurance (QA) Training Course Fee

Limited Time Offer

Currency	Code	Offer Price	Regular Price
US dollar	USD	850	~~1300~~
Canadian dollar	CAD	1150	~~1600~~
Australian dollar	AUD	1280	~~1800~~
Sterling pound	GBP	660	~~1050~~
New Zealand dollar	NZD	1320	~~1900~~
Indian rupee	INR	65,000	~~95,000~~

Fee is inclusive of all applicable taxes and include examination and certification fee.

No other hidden charges of any type.

Thank You!

Thank you for downloading our curriculum! We're excited to be part of your learning journey. Feel free to reach out if you need more information.

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