Software Testing
With
Automation
Selenium - Java

Boost your IT Career with Industry-leading Software Testing Trainings

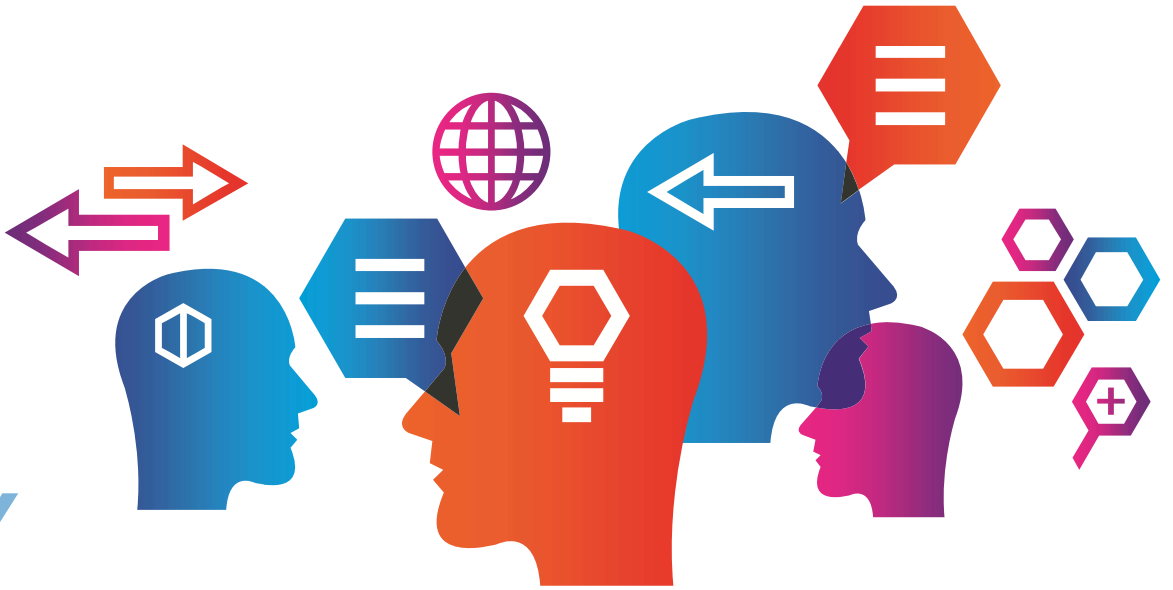| QA SOUTSORCING	QA SERVICES	QA COLSULTENCY	QA TRAININGS

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WHY

TESTX TECHNOLOGY

"TestX Software Training Program to enhance your software testing skills, increases your marketability, and achieves professional growth."

STAY AHEAD OF THE TECHNOLOGY CURVE

ENHANCE YOUR SKILLS

IMPROVED JOB PERFORMANCE

CAREER ADVANCEMENT

NETWORKING OPPORTUNITIES

COST-EFFECTIVE

HANDS-ON LEARNING

EXPERIENCED INSTRUCTORS

INDUSTRY RECOGNITION

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WHAT

YOU WILL LEARN IN THIS
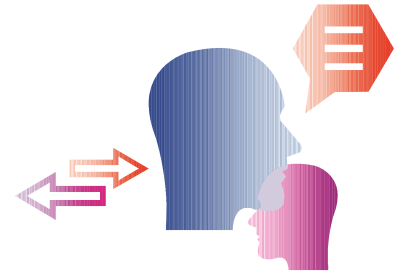SOFTWARE TESTING COURSE?
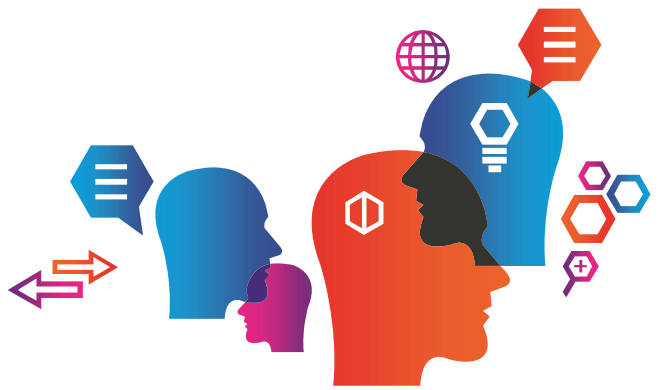
PRE-REQUISITE

- Good Communication Skills

MODULE-1 [QA - MANUAL TESTING - THEORY]

- Introduction of Software Testing

- Software Testing Principles

- Software Development Life Cycle - SDLC

- Software Testing Life Cycle - STLC

- Software Development Model

- What is Quality Assurance Vs Quality Control

- What is Verification Vs Validation

- Software Testing Types

- Manual Testing Vs Automation Testing

- Software Testing Methodologies

- Software Requirements Specifications - SRS

- Software Requirements Analysis

- Software Requirements Types

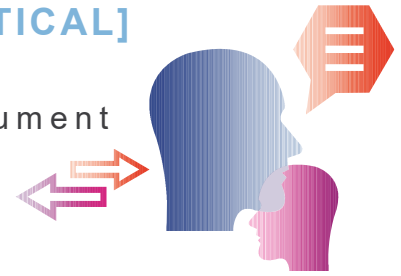- Requirement Understanding Document - RUD

- Software Test Planning
- Test Plan Vs Approach and Strategy
- Test Plan Goal and Need
- Test Plan - STP
- Elements of Test Plan
- Test Case Design and Development
- Test Scenarios Vs Test Cases
- Test Case Design Techniques
- Test Case Writing Guidelines
- Test Data Preparation Guidelines
- Test Case Management Tools
- Test Case Review and Process
- Requirements Coverage & Traceability - RTM
- Test Metrics
- Error Vs Defect Vs Bug
- Defect Life Cycle Process
- Defect Management Tools
- Defect Logging Guidelines
- Defect Vs Enhancement Vs Change Request
- Test Case Execution and Test Reporting
- Test Summary Report – TSR
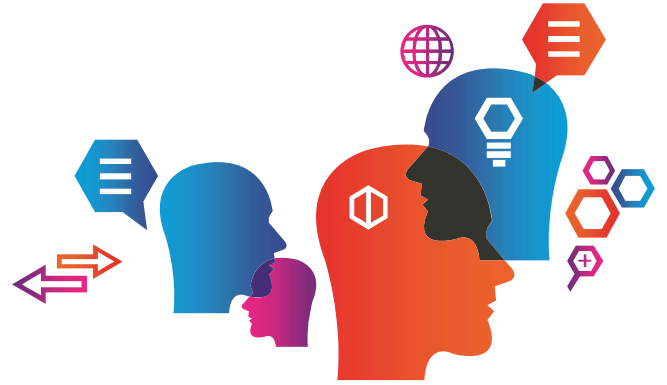- Root Cause Analysis – RCA
- Defect Triage

MODULE-2 [QA - MANUAL TESTING - PRACTICAL]

- Create Requirement Understanding Document (RUD) and Requirement Queries Log

- Create Software Test Plan – STP

- Identify and Write Test Scenarios

- Write Test Cases and Test Data

- Prepare Test Cases Review Report

- Execute Test Cases

- Defects identification and Defect logging

- Create Test execution Summary Reporting

- Prepare QA Signoff

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WHAT

YOU WILL LEARN IN THIS
TEST AUTOMATION COURSE?

PRE-REQUISITE

- Knowledge of any Programming Language

- Object Oriented Fundamentals- OOPs

- Software Testing Fundamentals – Manual Testing

- Good Logical Problem Solving Skills

MODULE-1 [BEGINNER – WEB TEST AUTOMATION]

- Installation and Setup of JDK, Eclipse and Plugins

- Introduction of Selenium: IDE,RC, WebDriver

- Selenium Features and Components

- Architecture of Selenium WebDriver

- Browser Drivers : Chrome, Firefox, Edge, IE, Safari

- WebDriver Commands

- Locators in Selenium: ID, Name, XPath...etc

- Finding XPaths using Plugins

- Find Element and FindElements

- Handle different types of WebElement : Textbox, Button...etc

- Mouse Click & Keyboard Event using Actions Class

- Handling Pop-Up Windows, Alerts, Iframe and Multiple Windows

- Introduction of AutoIt and Sikuli

- Handle Windows Objects using AutoIt and Sikuli

- Handle Windows O

- WebDriver Timeout

- WebDriver Waits

- Dynamic Objects and Multiple Objects Handling

MODULE-2 [INTERMIDIDATE – WEB TEST AUTOMATION]

- What is JUnit Vs TestNG Framework

- TestNG XML Features and Components

- TestNG Annotations

- Automation Test Script Implantation using TestNG

- Test Execution using TestNG

- TestNG Reporting and Logging

- Introduction to Page Object Model (POM)

- Page Object Model (POM) Vs Page Factory

- Implantation using Page Object Model (POM) With Page Factory

MODULE-3 [ADVANCE – WEB TEST AUTOMATION]

- Types of Automation Frameworks
- Introduction of Maven Project
- Setup of Maven Project for Test Automation Framework
- Automation Framework Components
- Automation Framework Structure
- Understanding of Apache POI library
- Automation Framework Implementation

WHY

YOU SHOULD TAKE THIS SOFTWARE TESTING COURSE?
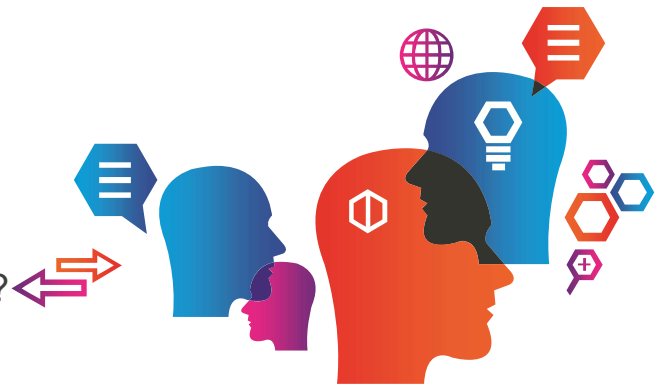
Comprehensive Curriculum

Covering a range of topics, including manual testing, test management, automated testing, mobile testing, performance testing, api testing and security testing

Expert Instructors

Led by experienced and knowledgeable instructors who are experts in the software testing field.

Real-World Applications

Incorporating real-world examples and case studies to demonstrate the practical application of software testing techniques.

Industry Recognized Certifications

Providing recognized certifications upon completion of the course, demonstrating skills and knowledge in software testing.

Hands-On Experience

Offering practical, hands-on experience with software testing tools and techniques through labs, projects, and case studies.

Interactive Learning Environment

Encouraging participation and engagement through interactive discussions, group activities, and Q&A sessions.

Flexible Learning Options

Offering flexible learning options, such as online or in-person classes, full-time or part-time schedules, to accommodate different learning styles and schedules.

Career Support

Providing career support, including job placement assistance, resume and interview preparation, and access to a professional network.
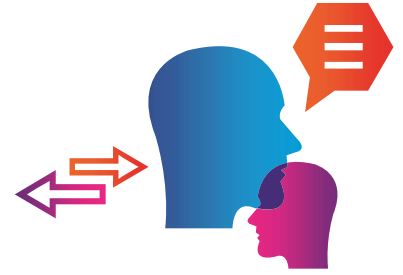
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