Automation Testing
Selenium - Python

Boost your IT Career with Industry-leading Software Testing 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

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CAREER ADVANCEMENT

NETWORKING OPPORTUNITIES

COST-EFFECTIVE

HANDS-ON LEARNING

EXPERIENCED INSTRUCTORS

INDUSTRY RECOGNITION

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WHAT

YOU WILL LEARN IN THIS
TEST AUTOMATION COURSE?
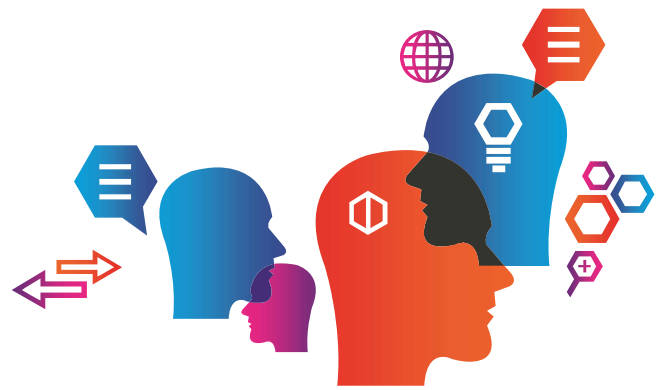
PRE-REQUISITE

- Knowledge of any Programming Language

- Object Oriented Fundamentals- OOPs

- Software Testing Fundamentals – Manual Testing

- Good Logical Problem Solving Skills

MODULE-1 [BASICS – PYTHON]

- Introduction and installation of Python and Its IDE

- Data Types

- Control Flow Statements

- Functions

- Object-oriented concepts in Python

- Exception Handling

- Import Statements

- File Handing

- Read and Write to Files in Python

MODULE-2 [BEGINNER – PyTest]

- What is Pytest, its installation and its advantages

- Running Pytests from Terminal with different command flags

- Stay Connected to Testing Updates

- How to run selected Pytests from set of Tests

- Grouping tests with Pytest marks to run selected group

- What are fixtures and their importance in Pytest framework

- Importance of Conftest file & Scope of fixtures for building

- Generic fixtures

- Introduction to Data driven Fixtures to load data into tests

- Parameterizing test with multiple data sets using Fixtures

- Generating HTML reports for Pytest Testcases

- Logging in Python Tests
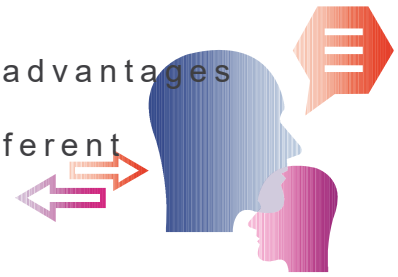
MODULE-3 [INTERMIDIDATE – WEB TEST AUTOMATION]
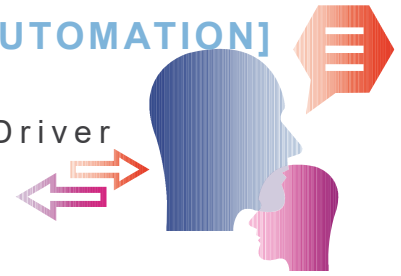
- Introduction of Selenium: IDE, RC, WebDriver

- 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

- Handle Windows O

- WebDriver Timeout

- WebDriver Waits

- Dynamic Objects and Multiple Objects Handling

MODULE-4 [ADVANCE – WEB TEST AUTOMATION]

- Introduction to Page Object Model (POM)
- Page Object Model (POM) Vs Page Factory
- Implantation using Page Object Model (POM) With Page Factory
- Types of Automation Frameworks
- Automation Framework Components and Structure
- Automation Framework Implementation
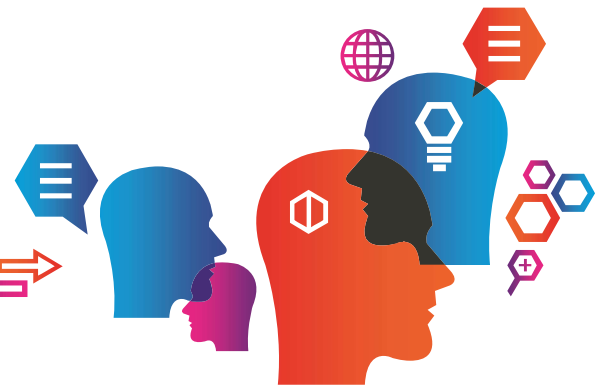- Introduction to Excel Data driven testing using Pyxl
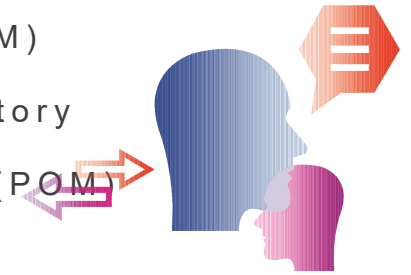
MODULE-5 [TESTX ADVANCE – WEB TEST AUTOMATION]

- Introduction of Selenium Hub and Node
- What is DesiredCapabilities and its Configurations
- Introduction of CI/CD
- CI/CD Tools : AzureDevOps, Jenkins
- Implementation of Jenkins Jobs for Test Execution
- Test Result Integration with Test Management Tool

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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

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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.
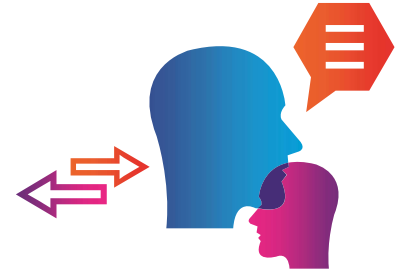
Career Support

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

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CONNECT US

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