

# Software Testing with Selenium and REST Assured Course

**Course Duration : 40 Hours**

**Course code : SEL-RA-944**

## 1. Course Overview

The Software Testing with Selenium and REST Assured Course is designed to provide comprehensive knowledge of both UI and API automation testing. This course focuses on using Selenium for web application testing and REST Assured for API testing..

## 2. What you'll learn?

- Automation testing fundamentals
- Selenium WebDriver for UI testing
- API testing using REST Assured
- Test framework design and integration
- Data-driven and hybrid frameworks
- Reporting and debugging techniques

## 3. Target Audience

- Manual testers transitioning to automation
- QA engineers and test analysts
- Software developers
- Automation testers
- Students and fresh graduates

## 4. Pre-Requisites

- Basic knowledge of Java or Python
- Understanding of software testing concepts
- Familiarity with web applications

## 5. Course Content (Modules)

### Module 1: Introduction to Automation & API Testing

- Basics of software testing
- UI vs API testing
- Overview of Selenium and REST Assured

### Module 2: Selenium WebDriver

- WebDriver setup
- Locators and elements
- Browser automation

### Module 3: API Testing with REST Assured

- REST API concepts
- Writing API test scripts
- Validating responses

### Module 4: Framework Design & Integration

- Test frameworks (TestNG basics)
- Data-driven testing
- Integration of UI & API testing

### Module 5: Reporting & Real-World Projects

- Test reporting tools
- Debugging techniques