

**Web Automation Using Excel VBA & Selenium**

**Description:** This course is designed to teach learners how to automate web tasks using Excel VBA and Selenium. The course will cover topics such as basic programming concepts, web automation with Selenium, automating web tasks with Excel VBA, and using both tools together to create a powerful web automation tool. By the end of the course, learners will be able to automate web tasks with ease and efficiency using Excel VBA and Selenium.

**Course Duration:** 12 Hours

**Prerequisites:**

- Basic knowledge of Excel
- Basic programming concepts (loops, variables, conditionals, etc.)

**Module 1: Introduction to Web Automation and Selenium**

- What is web automation?
- Introduction to Selenium
- Setting up Selenium WebDriver

**Module 2: Automating Web Tasks with Selenium**

- Finding web elements
- Interacting with web elements
- Handling web page alerts and pop-ups
- Waiting for web elements to load

**Module 3: Introduction to Excel VBA**

- What is VBA?
- The VBA editor
- Creating a macro

**Module 4: Automating Web Tasks with Excel VBA**

- Using VBA to navigate web pages
- Retrieving data from web pages
- Filling out web forms
- Submitting web forms

**Module 5: Combining Excel VBA and Selenium for Web Automation**

- Building a web automation tool with Excel VBA and Selenium
- Creating a user interface for the tool
- Saving data to Excel

**Module 6: Advanced Topics in Web Automation**

- Handling multiple windows and tabs
- Handling dynamic web elements
- Error handling and debugging

**Module 7: Real World Applications**

- Creating automated reports
- Automating data entry
- Extracting data from web pages