



Test Automation Engineer

HOURS 40

Course Title	Course Description	Hours
Testing Automation	<ul style="list-style-type: none">Automation FrameworkSelenium IDE / WebDriverAppium – MobileAPI testing – JMeter	40
Total		40

Main syllabus subjects:

Course Introduction

Testing Automation:

- Set Up WebDriver with Eclipse
- Maven project & Dependencies
- Understanding the Selenium components
- Familiarity with web automation projects architecture
- WebDriver Commands

- Basic understanding of test automation framework (NGTest)
- Understanding the WebDriver API
- Understanding WebDriver locators (XPath and CSS) & Tools
- Alerts & Windows
 - Wait commands
 - Advanced Webdriver waits
 - Switch & Navigation commands
 - Handling Iframes using Selenium WebDriver
- Actions & Robot Class
 - Drag and Drop action in Selenium
 - Mouse Hover action in Selenium

Selenium advanced:

- Object Repository
- Page Object Model
- Page Object Factory
- TestNG Framework
- TestNG Reporters & Asserts

Introduction to Appium & Mobile automation Testing

- Introduction to Mobile automation testing
- Selenium 3.0 and APIs
- Automation for IOS and Android devices
- Running the scripts on Emulators
- Running the scripts on Real devices
- Various tools available for Mobile automation testing
- Understanding the API Levels and Appium Concepts
- Client/Server Architecture, Session, Desired Capabilities, Appium Server and Appium Clients

Introduction to JMeter

- JMeter Installation & Configuration
- Running JMeter
- Introduction to Elements of JMeter Test Plan
- Building a Test Plan
- Recording Tests Using JMeter
- Running Scripts with JMeter
- Reporting and Analysing the Results