

# Deccansoft Software Services

(A premier Training Organization for Microsoft Technology for the last 20years)

## Selenium with C#

### Selenium Course Syllabus

#### Introduction to Automation Testing

- what is Automation testing
- Advantages of Automation testing
- Disadvantages of Automation testing

#### History of Selenium

#### Why Selenium tool

#### Differences between Selenium and other Tools

#### Different components in Selenium

#### C# topics for Selenium

- Introduction to C#
- Data types
- Control Statements
- Strings
- Arrays
- OOPS Concept
  - Class
  - Object
  - Constructor
  - Encapsulation
  - Inheritance
  - Polymorphism
  - Abstraction
  - Interface
- Exception Handling
- Collections
- File Handling

#### Selenium IDE

- Installation and Introduction to IDE
- Creating first script using record and playback
- Installation of Inspector Tools and its Uses.
- Generating Scripts using different WebElement
- Handling Wait Commands
- Handling Validations Commands
- Handling Store Commands
- Limitations of IDE

#### Set Up Selenium with Visual Studio

- Download and Install Visual Studio
- Set Up Selenium with Visual Studio in C#
- How to write Selenium Test using NUnit Framework
- Running Test in Chrome browser
- Running Test in IE Explorer
- Internet Explorer Driver Server
- Challenges with IE browser in Selenium WebDriver

#### Locators & XPath

- Use Of Browser Inspector

Address: Block No-402 4th Floor, Saptagiri Towers, Landmark:Pantaloon Building, Begumpet Main Road, Hyderabad - 500 016, TELANGANA, Phone.No: +91 80083 27000

- Firebug & Fire Path
- HTML Locators
- Element Locator for WebDriver
- XPath Helper Plug-in for Chrome
- Fire-IE-Selenium
- Effective XPath

### Selenium WebDriver

- First Program on selenium
- Verify Page title in Selenium Webdriver
- Navigation in selenium
- Radio button and Checkbox in Selenium Webdriver
- Handling DropDownList
- Handling File upload using Sikuli/Auto IT
- Handling Drag and Drop in Selenium
- Handling Mouse Hover
- Synchronization using webdriver
- How to take screenshot using selenium
- How to capture Error message using webdriver
- Handling Multiple windows
- Handling Alert Messages.
- Handling Frames.
- Cross Browsing using selenium
- Complete details of Dynamic XPath in Selenium
- Program on CSS in selenium
- How to download files in Selenium Webdriver.
- Handling WebTable
- How to use Logs File in selenium
- How to use Properties File in selenium

### Switches Alerts & Windows

- Implicit Wait Commands in Selenium
- Explicit/Smart Wait Commands in Selenium
- Switch Commands in Selenium

- Different types of Alerts
- Handling Multiple Windows
- Handle Unexpected Alert
- Expected Condition Wait
- Handling IFrames using WebDriver
- Interacting with elements inside IFrame

### Frameworks:

- What is Framework
- Types of Framework
- Use of Framework

### Page Object Model Framework:

- Page Object model using Nunit framework