# **Selenium Course Training Contents**

# **Selenium COURSE CONTENTS**

## **OVERVIEW OF SELENIUM**

Selenium Overview Selenium advantages over other tool Selenium Components Supported Browsers / Environment Flexibility and Extensibility

## RECORDING TESTS WITH SELENIUM IDE

Introduction
Installing the IDE
Opening the IDE
IDE Features
Building Test Cases

Running Test Cases
Writing a Test Suit Using Base URL to Run Test Cases in Different Domains
Debugging User Extensions

# **SELENIUM COMMANDS**

Locating elements
Verifying page elements
Opening URLs
Clicking on links
Text patterns matching with regular expressions
Checking checkboxes
Entering text in input fields
Selecting values in pull-downs
Verifying application state
Using variables
Store Commands and Selenium variables
Handling Alerts.Popups
IFrame handling

## **USAGE OF EXTERNAL TOOLS/ADDONS**

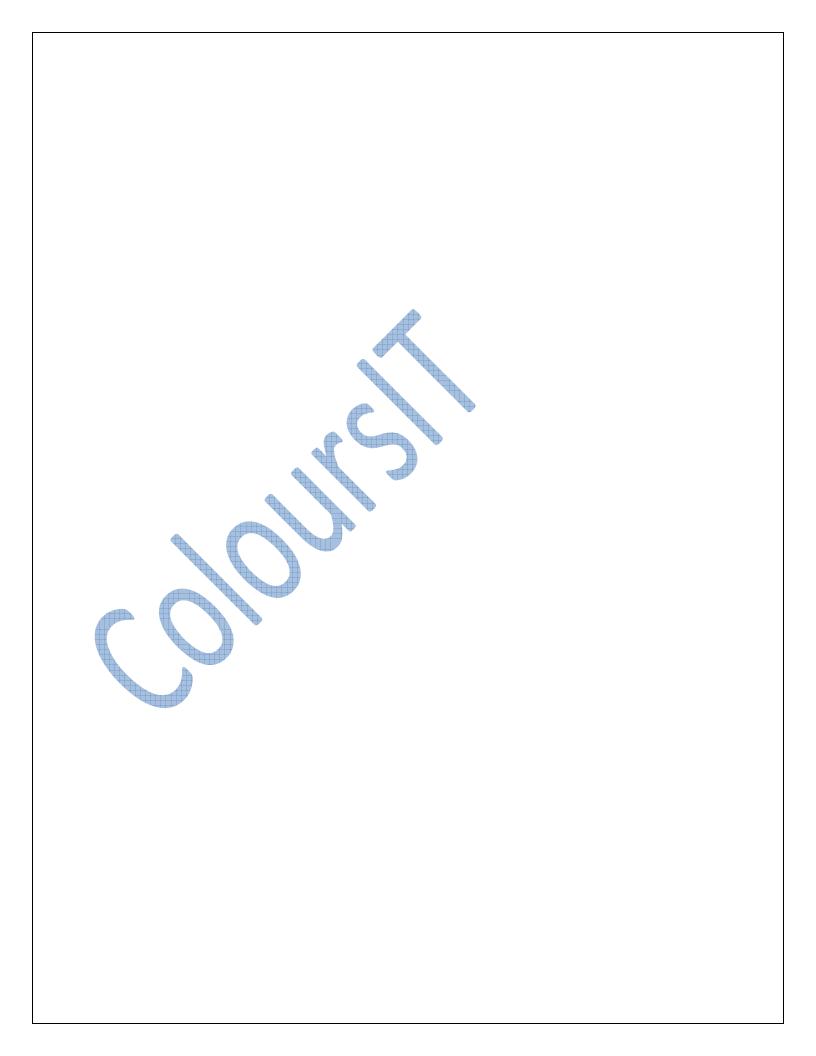
Usage of firebug to locate Page elements Usage of Debugbar to local page elements Usage of Xpather to get the xpath of an element

## **CORE JAVA FUNDAMENTALS**

Keywords
Data types
Arrays
Conditions
Loops

Class and Object

**Object Oriented Programming Techniques** 



#### INTRODUCTION TO JAVASCRIPT

What is java script Why to choose Java script How to use java script in selenium

#### INTERACTING WITH EXCEL

Usage of the jxl Retrieving and updating the excel JXL API methods and its usage

#### **INTRODUCING JUNIT/TESTNG**

JUnit vs. Testing Framework usage in Selenium Using JUnit/Testing within Eclipse
Test methods: test Method or @Test Method
Assertions in Test Case
Executing Tests
Showing Test Results
Reporting (XML and HTML)

# **SELENIUM-RC**

Selenium-RC overview and how it works
Setting up remote control
Converting Selenese scripts to programs
Learning the API
Browser considerations and support
Handling https and popups
Server Options
Architure of Selenium
Configuring to mutlitple environments
Common problems

# SELENIUM-GRID

Selenium-Grid overview
Introduction to Ant and usage
Configuring to the mutlitple Environments
Developing and executing the scripts with Grid

