

Selenium Tool

Chapters	Hours
1. Introduction to Automation	1hr
<ul style="list-style-type: none">• What is Automation	
<ul style="list-style-type: none">• Advantages & Disadvantage of Automation	
<ul style="list-style-type: none">• When do we go for Automation	
2. Introduction to Selenium	1hr
<ul style="list-style-type: none">• What is Selenium?	
<ul style="list-style-type: none">• Languages & Platform supported by Selenium	
3. Basic Browser Handling	2hr
<ul style="list-style-type: none">• Launching Browser (Firefox, Chrome, IE, Safari...)	
<ul style="list-style-type: none">• Handling Browser Navigation	
4. Locators	3hr
<ul style="list-style-type: none">•What is locator?	
<ul style="list-style-type: none">•Locator	
5. Synchronization	3hr
<ul style="list-style-type: none">• About Script Synchronization	
<ul style="list-style-type: none">• Implicit wait	
<ul style="list-style-type: none">• Explicit wait	
<ul style="list-style-type: none">• Custom wait	
6. Handling WebElement	3hr
<ul style="list-style-type: none">• Different ways to perform actions on elements	
<ul style="list-style-type: none">• Using getters and setters for validation	

<ul style="list-style-type: none"> • Handling Multiple Elements 	
7. Handling Mouse events	3hr
<ul style="list-style-type: none"> • Performing mouse hover action 	
<ul style="list-style-type: none"> • Handling Drop down Menu 	
<ul style="list-style-type: none"> • Performing Drag and Drop action 	
8. Handling ListBox	3hr
<ul style="list-style-type: none"> • Selecting options using different methods 	
<ul style="list-style-type: none"> • Handling Multi select list box 	
<ul style="list-style-type: none"> • Sorting the content of list box 	
<ul style="list-style-type: none"> • Searching the list box 	
9. Handling Popups	4hr
<ul style="list-style-type: none"> • Introduction to types of popup 	
<ul style="list-style-type: none"> • Techniques identify popup type 	
<ul style="list-style-type: none"> • Handling different types of popup 	
10. Page Object Model	3hr
<ul style="list-style-type: none"> • Introduction to Page Object Model 	
<ul style="list-style-type: none"> • Handling Elements (declaration, initialization and utilization) 	
<ul style="list-style-type: none"> • @FindBy (annotation) 	
<ul style="list-style-type: none"> • Page Decoration using Page Factory 	
<ul style="list-style-type: none"> • Advantages of POM 	
11. TestNG	4hr
<ul style="list-style-type: none"> • TestNG annotations 	
<ul style="list-style-type: none"> • TestNG reporting 	
<ul style="list-style-type: none"> • TestNG Assertion 	

<ul style="list-style-type: none"> • TestNG suite 	
<ul style="list-style-type: none"> • Parallel execution 	
<ul style="list-style-type: none"> • Parameter 	
12.Automation FrameWork / Automation Life Cycle	
<ul style="list-style-type: none"> • What is Automation Frame Work 	4hr
<ul style="list-style-type: none"> • Why Frame work 	
<ul style="list-style-type: none"> • Types of Frame work 	
<ul style="list-style-type: none"> • Designing Frame work 	
<ul style="list-style-type: none"> • Implementation of Frame Work 	
<ul style="list-style-type: none"> • Execution of Frame Work 	
13.Automation Project	
<ul style="list-style-type: none"> • Implementing Frame work on Web Project 	5r
<ul style="list-style-type: none"> • Automation workspace management using github 	
<ul style="list-style-type: none"> • Challenges faced in Automation Project and Handling it 	