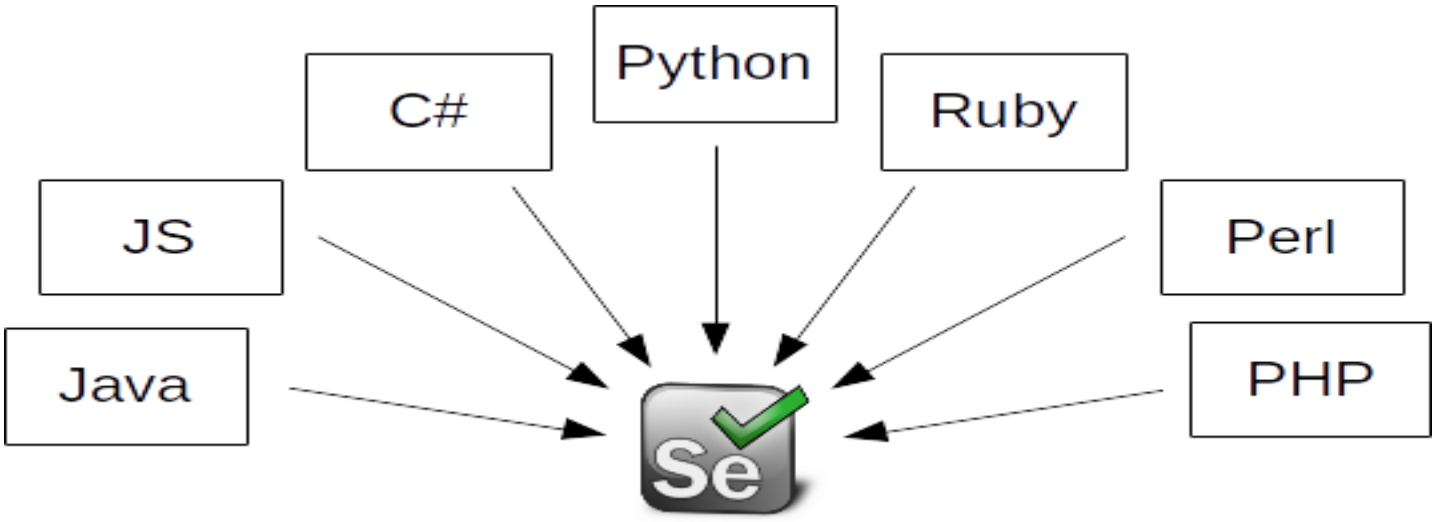
LEARN TODAY AND LEAD TOMMOROW

Selenium



Overview

Let eMexo Technologies **Best Selenium Training in Electronic City, Bangalore** take you from the fundamentals of selenium and make you an expert in automating real time applications. Here are the major topics we cover under this Selenium course Syllabus, Introduction to Automation, Different Components of Selenium, Selenium IDE Introduction,Core Java, WebDriver (Selenium3.0) with Project Implementation, Introducing Actions class Usage, TestNG Framework, AutoIT, Automation Framework, Modular Driven Framework, Data Driven Framework, Hybrid Driven Framework, Selenium Grid, Selenium RC Overview, Maven and Jenkins, Real Time Process for Automation Testing. Every topic will be covered in mostly practical way with examples for our **Selenium Course in Electronic City.**

All the topics will be covered with Practical and hands on training. Our trainers have industry experience with live project experience in cutting edge technologies which they teach. We hire only Best Selenium industry specialists as trainer for our Selenium Training in Electronic City, Bangalore.

If you are looking for **Selenium Training in Electronic City** eMexo Technologies is the **Best Selenium Training Institute in Electronic City**. Come over to our training institute for a free demo class. Let our trainer give you a demo on Selenium and only then you take the decision to enroll into the Selenium Training in Electronic City.

Training Features

Expert Instructors

60 hours of Instructor led Classes. Weekend class:20 sessions of 3 hours each and Weekday class:30 sessions of 2 hours each.

Real life Case Studies

Do a real life case study to understand the usage on real world scenarios.

Assignments

Each class will be followed by practical assignment switch can be completed before the next class.

Unit 1 : Java Basics Refresher for Selenium Training Course

- Features of Java
- Classes, Objects, Methods, and Constructors
- Datatypes in Java
- Types of Variables in Java
- Basic Operators in Java
- Control Flow Statements
- Object-Oriented Programming Concepts
- Exception Handling Mechanisms
- Hands-On

Unit 2 : Selenium and its Components

- Collection Framework (ArrayList, LinkedList, HashSet, and LinkedHashSet)
- Map Interface in Java
- Types of Applications (Desktop, Web, Mobile, Hybrid)
- Software Testing Methods (Manual and Test Automation)
- Test Automation Types (Unit Testing, API Testing, GUI Testing)
- Test Automation Frameworks
- Test Automation Tools
- Test Automation Process
- Components of Selenium Suite
- Types of Testing
- Selenium vs. Other Testing Tools
- Integration of Selenium with Other Tools
- Hands-On

Unit 3 : Selenium WebDriver and Locators

- Introduction to Selenium WebDriver
- Evolution of Selenium WebDriver
- Advantages of Selenium WebDriver
- Selenium WebDriver Architecture
- Introduction to Web elements

- Locating Web elements using various Locators (ID, Name, Class Name, Tag Name, Link Text, Partial Link Text, CSS Selector, and XPath)
- Introduction to XPath
- Types of XPath
- XPath Functions and Customisations
- Hands-On

Unit 4 : Interacting with Web Elements and Waits in Selenium

- What are CSS Selectors?
- Locating Web Elements using CSS Selectors
- Selenium Commands in WebDriver
- Interacting with Web Elements
- Performing Actions on Web Elements
- Checking the Web Element state
- Types of Waits in Selenium
- Hands-On

Unit 5 : TestNG Framework

- Introduction to TestNG
- Installing TestNG Plug-in in Eclipse
- Rules to write TestNG
- Annotations
- Grouping
- Sequencing
- Parameterization
- Parallel/Cross Browser Testing
- Introduction to Reports
- Types of Reports
- Hands-On

Unit 6 : Handling Web UI Elements-I

- What are Alerts?
- Types of Alerts

- Alert Interface methods
- Handling Alerts in Selenium WebDriver
- What is a Modal Dialog Box?
- Handling Modal Dialog Box using Selenium WebDriver
- Handling Multiple Windows and Multiple Tabs using Selenium WebDriver
- Scrolling on a web page using JavaScriptExecutor
- Verifying Tooltip using Selenium WebDriver
- Hands-On

Unit 7 : Handling Web UI Elements-II

- What is an IFrame?
- Identifying an Iframe
- Switching to IFrames using Selenium WebDriver
- Select Class in Selenium WebDriver
- Methods under Select Class
- Handling Dropdowns and Multiple Select Operations using Select Class
- Actions Class and Action Interface
- Methods for handling Keyboard and Mouse based interactions
- Testing Drag and Drop and Mouse Hover functionality using Actions Class
- Hands-On

Unit 8 : Selenium Grid and Robot Class

- Introduction to Selenium Grid
- Selenium Grid Architecture
- Deploy a Grid
- Introduction to Robot class
- Methods under Robot class (KeyPress, Key Release, Mouse Press, Mouse Release, Mouse Move)
- Implementation of the Robot class
- Advantages and disadvantages of the Robot class
- Limitations of the Robot class
- Hands-On

Unit 9 : Selenium IDE and Page Object Model

- What is Selenium IDE?
- Features of Selenium IDE
- Selenium IDE Interface
- Selenese in Selenium IDE
- Why Page Object Model?
- What is Page Object Model?
- What is Page Factory?
- Advantages of POM
- Implementing POM using Selenium WebDriver
- Implementing POM with Page Factory
- Hands-On

Unit 10 : Automation Frameworks-I

- Introduction to Selenium Frameworks
- Types of Selenium Frameworks
- Introduction to Data-Driven Test Framework
- Advantages and Disadvantages of Data-Driven Test Framework
- Best practices of Data-Driven Testing
- Apache POI
- Data Providers
- Hands-On

Unit 11 : Automation Frameworks-II

- Introduction to Keyword-Driven Test Framework
- Uses of Keyword-Driven Test Framework
- Keyword-Driven Framework Components
- Advantages and Limitations of Keyword-Driven Testing
- Implement Keyword-Driven Framework
- Introduction to Hybrid Driven Test Framework
- Advantages and Limitations of Hybrid Test Framework
- Utilize the Page Object Model with Hybrid Framework
- Implementing Hybrid Test Framework
- Hands-On

Unit 12 : BDD Framework with Cucumber

- Agile Testing
- Behaviour Driven Development (BDD)
- Advantages and Limitations of BDD
- Cucumber Fundamentals
- Gherkin Syntax in Cucumber
- Step Definition for Cucumber Feature File
- Advantages of Cucumber
- Implementing BDD Framework using Cucumber
- Hands-On

FAQs

1.How is the training organised? How much percentage is theoretical and how much is practical hands on?

We at eMexo believe nothing beats a hands-on practice when it comes to learning a concept. Our teaching methodology is 100% practical hands-on oriented. You learn a concept, you practice it then and there with the trainer. We also give you assignments for each topic which you can practice at home and any doubts regarding the topic can be cleared with the trainer next day.

2.What is the course duration ? How and when do you plan to complete the course ?

We generally cover our courses in 60 hours, however, we are aware that we can't put a hard- stop to learning with a number. Our trainer will make sure that you have learned everything thatispartofthecurriculum. Thiscould mean 48 hours or 60 hours, doesn't matter.

3.What is the material provided in the training ?

We have industry standard course material which is used by our trainers to train you. At the end of the training apart from the notes which you have taken during the course, we will also provide you with the training material which was used. This training material includes the training content, interview questions etc.

4.Do you help in preparing for the interview ?

Our trainers are working professionals who work in MNC's. They are the expert in their domain andthey know exactly what an interviewer looks into a candidate. Our expert trainers apart from sharing the interview questions they will also conduct mock interviews to help you prepare for the real interview.

5.Who are your trainers ?

Our trainers are industry experts who work in their respective technologies day in day out. They work in MNC's and are technology experts within their organisation.

6.**What is the total batch size per course?**

We maintain a strict batch size of maximum 5 students. We also provide exclusive one to one training as well. Talk to our training partner to get more details.

7.Do you provide certification for the course?

Yes, at the end of training we provide a certification of completion.

8.Will I be joining a new batch or be merged with another batch ?

You will be added to a new batch.

9.Is fast track training available?

Yes, we provide fast-track training as well for those who want to complete the course faster. The curriculum and the total hours required to complete the course will remain same. However, the trainer will be spending more hours with you to complete the course.

10.Do you assist in job placement ?

Our trainers are expert professionals in their organisations and they often act as the interviewer to hire new candidates. Our trainers will help you prepare your resume with industry standards. After all, they know exactly what to look in a resume.

11.Timings for trainings - Regular training/weekend training

We provide both regular and weekend training. Talk to our training partner to learn more about the timings.

12.Will you be working on a live project during training ?

Yes, apart from doing the hands-on practice our trainer will also be taking a real-world project and work with you for the implementation.

13.What happens if I miss a class?

If you miss a class the content of that class will be taught to you again.With us you might miss a class but not the content.

14.Can I attend a demo before the actual class?

Yes, absolutely! Talk to our training counsellor on phone at 9513216462 or email us at info@emexotechnologies.com to arrange for a free demo. You can also fill in the contact us form below and we will call you to discuss your training requirements.