Complete Comprehensive Program 4.5 months (Java+ Selenium+ Post Selenium)

Duration: 45 Lectures – 90 hours (3.5 months) + 60 hours Hands-on Intensive Training Program | 150 Total Hours

Course Content:

Pre-Selenium Java for QA

- Understanding JRE and JDK
- Environment variables
- Java Class and its properties – variables and methods
- Primitive and non-primitive variables
- Instance, static and local variables
- Class constructors, methods and message passing
- Packages and Access Modifiers
- Encapsulation and setter-getters
- Inheritance and Interfaces
- Method overloading and overriding polymorphism
- Abstraction
- String class and its methods
- Flow Control and loops
- Arrays
- Wrapper classes of primitive data types
- Collections Framework
- Exception Handling

Selenium

- Selenium introduction and Selenium WebDriver architecture
- Identifying web-elements and verification with chropath plug in
- By locator class and understanding xpath and css locators
- Starting with simple WebDriver script

- Learning implicit and explicit wait statements in WebDriver
- Sub-Interfaces of WebDriver
- Explicit wait and applying some newer methods for waiting strategy
- Actions class for handling keyboard and mouse events
- Cookie Class, JavascriptExecutor and TakesScreenshot interface
- TargetLocator interface for switching to window, alert and iframe
- Understanding desired capabilities for different browsers
- Headless execution for Chrome, Firefox and HtmlUnitDriver
- File upload and Robot Class
- Different Exceptions in Selenium

Post Selenium

- Cucumber BDD Introduction
- Maven Build Tool
- Framework and POM model
- Jenkins Integration
- Maven Parallel plugin and Selenium Grid
- Sauce Labs and Browser Stack Integration
- GIT VCS
- Interview Preparation & Mock-up Interviews
- Final Exam
- Hands-on project automation assignment