

Automation Testing

Module 1

Java Basic Terms:

- Introduction to java
- What is JDK, JRE, JVM,
- How to Download and Install JDK.
- Class in java
- Object in java
- Data types & Variables
- Methods in java
- Static & Non-static
- Control Statements
- Conditional Statements
- Constructor in java
- Type casting
- Exception Handling
- Loops in java
- Access Modifiers
- Arrays
- String in java
- Operators, keywords: this, super, final
- Inheritance
- Polymorphism, Overloading & Overriding
- Abstraction, Abstract class, Interface
- Encapsulation

Automation Framework:

- Page Object Model (Data driven approach)
Page Factory
- TestNG Testing framework.

Maven Build Dependency management tool:

- Maven setup & integration of maven with selenium & TestNG
- Add plugins & Dependency in pom.xml, Execute pom.xml, Analyze result.

Git- Code versioning tool:

Module 2

Selenium:

- Introduction to automation Testing
- Advantages and Disadvantages
- Introduction to Selenium IDE WebDriver
- Download & Configuration of WebDriver Jars
- Selenium WebDriver Architecture
- Driver for Chrome Firefox IE browser
- Locators strategies using, Id, Class value, name, xpath etc.
- Making custom xpath using functions such as text() ,contains().
- How to handle checkbox and radio buttons
- Retrieving values from different WebElements
- Drop Down Handling
- Handel Mouse and Key Board actions
- How to take screenshots
- Pop-up handling and Scrolling Concept
- How to read and write inside Excel
- Drag and Drop element
- Manage Iframe in selenium
- Reading properties file.

TestNG

- Downloading and Configuration of TestNG plugins Jars
- TestNG Annotations, Handling multiple Test scripts
- Sequencing and prioritizing the test scripts, skipping test scripts
- Dependent test scripts handling, generate reports
- Multiple test scripts execution
- Parameterization using data provider annotation
- Failed test case execution, taking screenshots

NEXUS CTC Pune.

- Git configuration, project cloning
- Git push, pull, commit

Jenkins- Continuous integration tool

- Download & Configure Jenkins for running build
- Execute build using jenkins, Check build history & Test results.

of fail test scripts

- How to use TestNG Listeners and assertions.

Miscellaneous

- API Testing using Postman, SoapUI
- JIRA-Project Management tool
- Agile methodology
- Manual Testing
- Automation Project Explanation

Distractive Attributes:

- Customized notes on all topics.
- Practice on all live Website.
- Interview preparation, Resume writing and assistance.
- Dedicated session for Naukri profile.
- Plenty of assignment