

Kaushalya Technical Training and Consultancy Services
No. 1094, Indushankara, MCECHS Layout,
23 Cross, Dr. Shivarama Karanth Nagara, Bengaluru - 560077
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Basics of Test Automation

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Course Details:

Name	Basics of Test Automation
Course Duration	25 hours

IT industry is moving towards automating the testing of web application. This would help in faster go to market strategy and fit into agile development. Test automation using Java with selenium has become the hot skill in the industry. It is essential for the graduates and professionals to learn and master these skills.

Objectives of Training

- Provide minds-on and hands-on training
- Understand test automation
- Understand basics of Java
- Understand HTML/CSS and Java Script
- Learn selenium web driver and grid
- Build simple java programs

Outcome of Training

- Trainees should understand the overall scope for automation of testing process
- Write programs in java which will be the building block for test automation
- Training on test automation basics should enable trainees to solve objective and programming type questions. This would help them to prepare for placements/switch career.

Syllabus

Module	Topics
Module 1 – Core Java	<ul style="list-style-type: none"> ✓ Introduction to Java ✓ Java Platforms ✓ Language fundamentals – JDK,JRE,JVM ✓ Data Types,Operators,loops,conditional statements ✓ OOPs concepts Introduction ✓ Array and String ✓ Oops in Java ✓ Packages and Wrapper Classes ✓ File Management ✓ Exception Handling ✓ The Collection Framework – List,Set,Queue and Map ✓ Sample programs and assignments
Modules 2 – HTML/CSS/JavaScript	<ul style="list-style-type: none"> ✓ Introduction to HTML ✓ Basic HTML Tags ✓ HTML Forms ✓ Building sample HTML programs ✓ Introduction to CSS ✓ CSS syntax ✓ In-line,Internal and external stylesheets ✓ CSS selectors – element,id,class ✓ ✓ Introduction to Java script ✓ Building block of java script programs ✓ Java script events ✓ Sample programs and assignments
Module 3 – Manual and Automation testing basics	<ul style="list-style-type: none"> ✓ Basics of Manual Testing ✓ Type of manual testing ✓ Writing test cases ✓ Fundamentals of test automation ✓ ROI in Automation ✓ Automation framework ✓ Various tools and comparison with Selenium