

Certified Software Testing Program



What is Software Testing?

According to Wikipedia, Software testing is an investigation conducted to provide stakeholders with information about the quality of the product or service under test. Software testing can also provide an objective, independent view of the software to allow the business to appreciate and understand the risks of software implementation. Test techniques include the process of executing a program or application with the intent of finding software bugs (errors or other defects), and verifying that the software product is fit for use.

Introduction to Certified Software Testing Program

Our Certified Software Testing Program is a 50 hour training program which covers the required modules to be a certified and industrially ready for the job of software tester.

Our Certified Software Testing Program is a 100% practical based program covering the topics like Core Java, Manual Testing, Automated Testing(Selenium,TestNG,JUnit,Cucumber,DevOPs)

Who should do Certified Software Testing Program?

1. Student doing graduation, young and budding mind with no job pressure, this is the best time to apply for Certified Software Testing Program
2. Graduates looking for the job, we perfectly fill the puzzle in the Jigsaw. Perfect Training with real time testing cases and Great Job Placement Record.
3. Working Professionals, promotions are on corner, being certified gives you the boost. Even when switching your jobs, it boosts your resume with your experience.
4. Anyone who love working with softwares can make their career choice with software testing and can later discover the new ways to handle the testing scenarios.

Topics Covered

1. Basics of Programming
2. Core Java
3. Basics of Testing(Manual)
4. Introduction to Automated Testing
5. Automated Testing Frameworks
6. Selenium

7. TestNG
8. JUnit
9. Automation using DevOPS
10. Cucumber Testing

Detailed Syllabus

Basics of Programming

- Understanding Programming Structure.
- Conditional and Logical Operators.
- Conditional Blocks
- Loops
- Switches
- Function
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Core Java

Java Declaration and Object Orientation

- Classes
- Objects
- Instances
- Difference in Objects of C++ and JAVA.
- Concept of JDK, JRE and JVM
- Constructors.
- Instance and Local Variables.
- JAVA Naming RULES & CONVENTIONS.
- Static Variables and Methods.
- Source File Declaration Rules.

Writing First Java Program

- Installing JDK
- Configuring Java Variables on System
- Writing First Java Program
- Compilation and Execution

In Class Assessment-1

- 10 logical programs to break the ice with Java Environment

Inheritance

- Introduction to Inheritance
- Thumb Rule 1 (with practical)
- Super keyword
- Thumb Rule 2
- Method Overriding
- Final keyword
- Manifest Constants

String

- Introduction to String
- String and Memory management
- Why are Strings final?
- String Methods (with practical's)
- String Buffer and String Builder and Regular Expression

In Class Assessment-2

- Practical's on String and Inheritance

Interface and Abstract Class

- Everything about interface and abstract class

Exception Handling

- Using try..catch
- Using Finally.
- Try with Resources
- Defining Exceptions.
- Hierarchy of Exception.
- Throwing our Exception

Packages

- Understanding the concept of packages.
- Making our own package
- Understanding access specifier.
- Making our own jar file and setting in classpath.

Software Testing

Testing Basics

- Types of testing Manual/Automation
- Testing Life Cycle
- Automation development life cycle
- Testing phases
- Agile and Waterfall model

Automation

- Need for Automation
- Benefits of Automation
- When to use automation

Selenium

- Introduction
- Selenium Vs Other automation tools
- Features of Selenium
- Need for Selenium
- Benefits of Selenium
- Selenium Webdriver and Intro to other components

Locators

- What are Locators
- Locator Types
- Examples
- Useful tips on Locators

Setup & Installation

- Walkthrough of Eclipse tool
- Downloading Selenium jars and setting up
- Firebug/Firepath
- Setup First project

Selenium Webdriver - 1

- Intro of Webdriver
- Configuring Webdriver
- Drivers for Firefox, Chrome & IE
- First Selenium script

Selenium Webdriver - 2

- How to locate and work with Elements
- Working with text box, Links, Dropdown, Checkboxes, Radio buttons etc.
- Generating custom Xpaths
- Actions Class
- Robot Class

- Introduction to Wait(Implicit & Explicit)
- Handling Alerts and popups
- Parameterization using Apache POI

Selenium Webdriver - 3

- Create a sample automated script
- Work with Object Repository
- Use of Object Repository
- Walkthrough of a sample project

Automation Framework

- What is a framework
- Types of framework
- Walkthrough on frameworks(Hybrid)
- Developing a framework
- Walkthrough on a custom framework
- Winding up with Selenium

JUNIT

- Introduction to JUNIT
- Annotations
- Usage
- Benefits
- Sample working of JUNIT

TestNG

- Introduction to TestNG
- Annotations
- Usage
- Benefits
- Sample working of TestNG

Automation using DevOps

- What is DevOps
- Integrating Automation with DevOps
- GitHub Integration with Selenium
- GitHub Pull/Commits
- Uses & Advantages

Cucumber Testing

- Introduction to Cucumber framework
- Setting up Cucumber
- Features/Scenarios
- Automation using Cucumber
- Benefits & Features

Contact

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