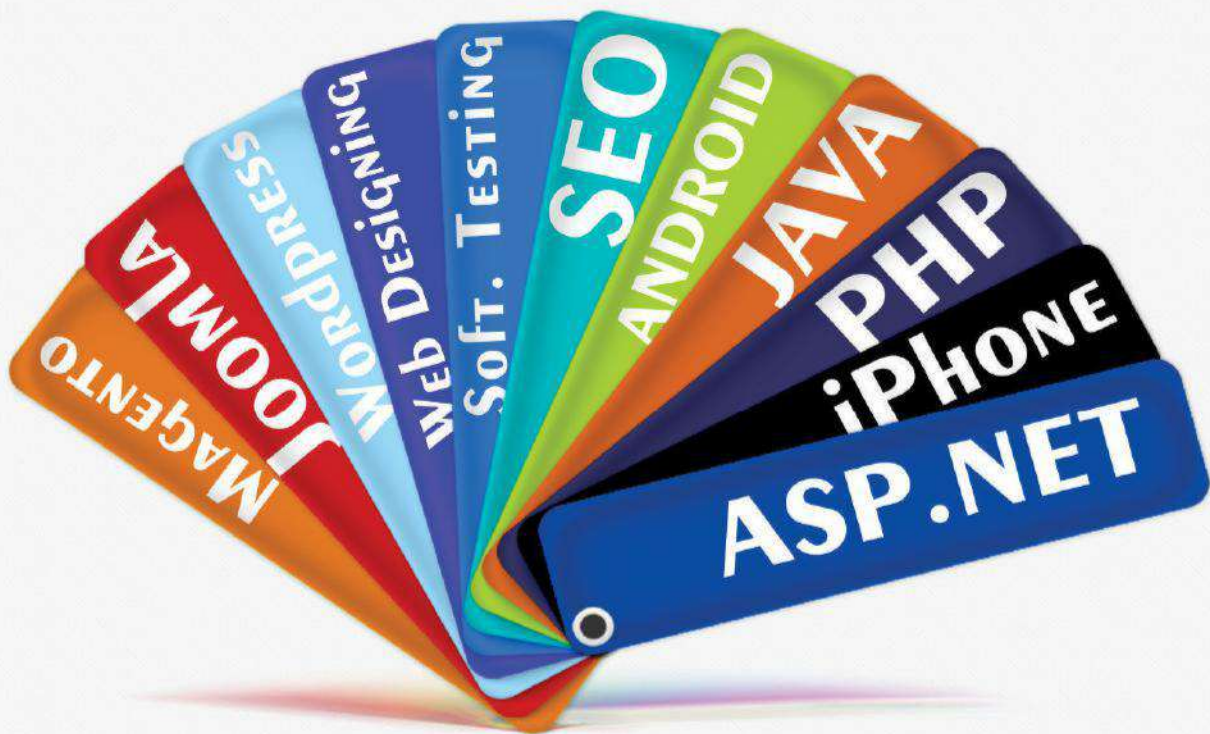


TOPS

Technologies

TRAINING - OUTSOURCING - PLACEMENT SERVICES



SOFTWARE TESTING

OTHER COURSES OFFERED

- PHP - .NET - JAVA - C,C++
- iPHONE - ANDROID
- SEO - SOFT. TESTING - WEB DESIGNING - MOBILE TESTING
- SILVERLIGHT - JOOMLA - MAGENTO - WPF - WORDPRESS -
CODEIGNITER - STRUTS - HIBERNATE

Software Testing And Quality Assurance

PRE-REQUISITE

- ⦿ Basic Knowledge of 'C' is required
- ⦿ Good Communication skills

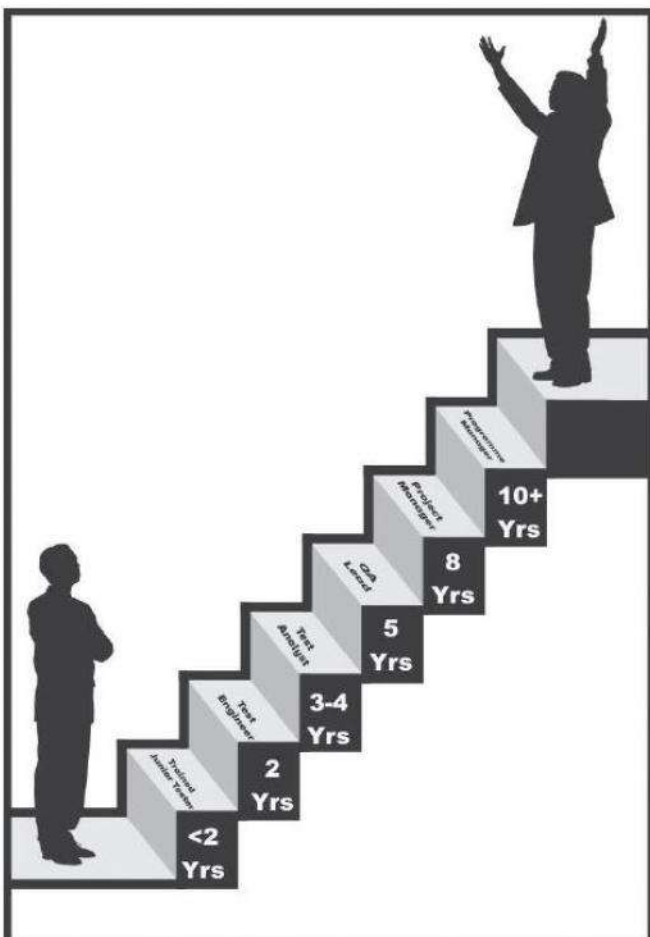
The Software Testing Curriculum designed by TOPS TECHNOLOGIES follows ISTQB standards and Industry practices. This program offers the following MODULES:

MODULE 1 [Fundamentals]

- ⦿ Introduction of Software Engineering
- ⦿ Software Development Life Cycle
- ⦿ Software Testing Methodologies
- ⦿ Software Requirement Specifications (SRS)
- ⦿ Structure Query Language (SQL)
- ⦿ Object Oriented Programming (OOPS)

MODULE 2 [Manual Testing]

- ⦿ **Mobile Application Testing**
 - Mobile Application Testing
 - Challenges
 - Guide Lines for Mobile Testing
 - Mobile Applications Platform Landscape
 - Android iOS Usage Share By Version
 - Apple iOS Usage Share By Version
 - Blackberry iOS Usage Share By Version
 - Mobile Testing Process
 - Mobile Testing Techniques
 - **Bugzilla**
- ⦿ **Desktop and Web application testing**
 - What is Testing?
 - Objectives and purpose
 - When and Why Testing?
 - Error, Bug, Defects and Causes of Defects Quality
 - Test Organization
 - Test Development Process
 - Test Analysis
 - Plan-Strategy
 - Script-Scenario-Cases
 - Traceability
 - Fundamental Test Process -STLC
 - Psychology of Testing
 - Software Development Model (V & RAD Model)
 - Software Testing Levels
 - Unit-Integration Testing
 - System-Acceptance Testing
 - Test Design Techniques
 - Dynamic Testing
 - Black Box Testing Techniques
 - White Box Testing Techniques
 - Experience Based Testing Techniques
 - Static Testing
 - Formal-Informal
 - Types of Review
 - Estimation Techniques
 - Defect Tracking
 - Bug Life Cycle
 - Defect Management
 - Techniques of Desktop Testing
 - User Interface-Manual support testing
 - Functionality testing-Compatibility testing
 - Configuration testing-Intersystem testing
 - Techniques of Web application Testing
 - Usability testing-Compatibility testing
 - GUI testing-Security Testing
 - Performance testing-Stress testing
 - Load Testing
 - **Bugzilla**



MODULE 3 [Automation Testing]

⦿ Functional Testing Tool

- **Selenium IDE**
- Introduction of selenium
- Selenium components
- Selenium Features
- QTP vs Selenium
- Scope of Selenium
- How differs from other automation tools
- Advantages of selenium
- Download and Installation
- Record and playback techniques
- Modifying the script using IDE
- Object, CSS, XPath, Elements Identify Process
- Validate the locator value using IDE
- Commenting Code
- Fire Bug and Fire path
- Introduction of Selenium WebDriver, Remote control and Grid

⦿ Non functional testing tool

- **Load Runner-up IDE** Introduction about Load Runner-up
- Load Runner-up procedure
- How to use Load Runner-up
- Load Runner-up IDE
- Generate Single Scripting and Assign V-Users
- Multi Scripting with Groping
- Parameterization in Load Runner-up



MODULE 4 [Applicability to Industry]

- ⦿ Project scope
- ⦿ High Level Requirement
- ⦿ Non-Functional Requirements
- ⦿ Use cases
- ⦿ Test Strategy/Plan
- ⦿ Test cases
- ⦿ Test Execution
- ⦿ Defects
- ⦿ Re-testing
- ⦿ Script writing

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