Who can do Software Testing Course??

Any Graduate, but to become a good testing professional, a sound theoretical knowledge about testing, and strong practical knowledge about using tools are must.

This course is specially designed to fresh graduates and those working in software development/testing, who would like to obtain certification as software testing professionals.

Even if you are not interested in certifications, this course will be of immense use in understanding the important concepts of software testing and quality assurance.

Many universities are now introducing software testing as a separate subject for computer science/ information technology students. This course will help them to understand the core concepts and their usage.

Software project managers and quality analysts can also get an insight into the intricacies of software testing by joining this course.

Why did you choose Software Testing Course?

- Scope of getting job is high (As we are getting more technology driven)
- No need to depend on Technology
- Testing will be there forever.

Organization of this course:

This course is organized into 4 Phases:

PHASE 1:

Manual Testing

1. Introduction to Software Testing
   - 1.1 Power of Software
   - 1.2 Challenges in Software Projects
   - 1.3 Software Crisis
   - 1.4 Reasons for Software Failure
   - 1.5 What is the Solution?

2. Software Development Life Cycle and Quality Assurance
   - 2.1 The Software Development Process (SDLC)
   - 2.2 Life Cycle Models:
     - 2.2.1 Waterfall Model
     - 2.2.2 Prototyping Model
     - 2.2.3 Spiral Model
     - 2.2.4 V Model
     - 2.2.5 Agile Model
     - 2.2.6 Hybrid Model

3. Fundamentals of Testing
   - 3.1 What is testing?

3.2 Testing Strategies

4. Testing Levels and Types
   - 4.1 Testing Levels
     - 4.1.1 Unit/Component Testing
     - 4.1.2 Module Testing
     - 4.1.3 Integration Testing
     - 4.1.4 System Testing
     - 4.1.5 Acceptance Testing
   - 4.2 Testing Approaches
     - 4.2.1 Static Testing vs. Dynamic Testing
     - 4.2.2 Positive Testing vs. Negative Testing
     - 4.2.3 Top-down Testing vs. Bottom-up Testing
     - 4.2.4 Functional Testing vs. Structural Testing
     - 4.2.5 Re-testing vs. Regression Testing
   - 4.3 Types of Testing
     - 4.3.1 Smoke Testing
     - 4.3.2 Black Box Testing
     - 4.3.3 White Box Testing
     - 4.3.4 Alpha Testing
     - 4.3.5 Beta Testing
     - 4.3.6 Performance Testing/ Load Testing
     - 4.3.7 Stress Testing
     - 4.3.8 Accessibility Testing
     - 4.3.9 Security Testing
     - 4.3.10 Gorilla Testing and so.....

5 Static Testing Technique
   - 5.1 Static Testing
   - 5.2 Advantages of Static Testing
   - 5.3 Reviews
   - 5.4 Inspection
   - 5.5 Walkthrough
   - 5.6 Checklists

6. Dynamic Testing and Test Case Design Technique
   - 6.1 Test Case Design
   - 6.2 Document Test Cases
   - 6.3 Execute Test Cases
   - 6.4 Log the Defects
   - 6.5 Test Documentation

7. Managing the Testing Process
   - 7.1 Test Plan
   - 7.2 Defect Tracking (Bug Life Cycle)
   - 7.3 Software Testing Life Cycle
   - 7.4 Introduction to Automation Tools

PHASE 2:

Test Management and Bug Reporting Tools

Many tools that provide support to the test management and control part of a test process. It often has several capabilities, such as testware management, scheduling of tests, logging of tests, progress tracking, incident management and test reporting.

We provide trainings on **Mantis, Bugzilla, Jira, QC**

PHASE 3:

Functional Testing Tools

Functional testing tools make automation testers life easier. They come handy while working with large projects since they are easy to use and maintain rather writing a library or in-house tool to automate our applications. During initial days of automation testing (at least while I started) tools such as QTP, WinRunner and name few were the only tool which automate applications and used only scripting languages for writing test scripts.
But now we have tools which do a lot than what it was initially and use programming languages such as C#, JAVA etc. to write test script. Functional Test tools are getting integral part of testing and are used along with product development. In Functional test tool, we will discuss on the following tools

1. **UFT/QTP**
2. **Selenium**

PHASE 4:

Performance Testing Tools

Tool to support performance testing and that usually has two main facilities: load generation and test transaction measurement. Performance testing tools normally provide reports based on test logs and graphs of load against response times. We will discuss any one on the following tools

1. **JMeter**
2. **LoadRunner**