

Software Testing

Manual Testing ISTQB

Duration: 40 hrs

Fundamentals of testing (Duration : 5 hrs)

- [What is Software testing?](#)
- [Why is testing necessary?](#)
- [Software testing objectives and purpose](#)
- [What is Defect or bugs or faults?](#)
- [What is a Failure?](#)
- [Defect or Bug Life Cycle](#)
- [What is the difference between Severity and Priority?](#)
- Seven [Principles of testing](#)
- Quality
- Fundamental Test Process
- Independent Testing-it's benefits and risks
- Testing throughout the testing lifecycle
- [What is Verification?](#)
- [What is Validation?](#)
- [Capability Maturity Model \(CMM-Levels\)](#)
- Software Development Life Cycle
- Software Development Models
- Software Testing Levels
- Software Test Types
- Web Testing
- Test Reporting
- Test Case Development
- Testing Techniques
- Test Management & Control
- Test Metrics

SQL Basics (Duration: 5hrs)

- SQL Basics contents
- What is DB
- SQL commands Overview of DDL,DML
- Explanation of DML
- SQL integrity constraints-overview
- Procedures
- Triggers

Database Testing(Duration : 2 hrs)

- What is DB application?
- Testing the Application vs Testing the Database

- Using SQL queries test data
- Testing for Basic data integrity using Constraints
- Testing Stored Procedures, Triggers, Functions

AUTOMATION TOOLS

1. SELENIUM IDE (Duration : 10hrs)

- [Introduction to Selenium](#)
- [Install Selenium IDE and FireBug](#)
- [Introduction to Selenium IDE](#)
- [Creating your First Selenium IDE script](#)
- [How to use Locators in Selenium IDE](#)
- [How to enhance a script using Selenium IDE](#)

2. SELENIUM WebDriver

- [Introduction to WebDriver & Comparison with Selenium RC](#)
- [Guide to install Selenium WebDriver](#)
- [Creating your First Script in Webdriver](#)
- [Accessing Forms in Webdriver](#)
- [Accessing Links & Tables using Selenium Webdriver](#)
- [Keyboard Mouse Events , Uploading Files - Webdriver](#)
- [How Testing makes Selenium tests easier](#)

2. Quick Test Professional (QTP) (Duration :10hrs)

- Characteristics of QTP, Recording modes (Normal, Low and Analog), Addins, Object, Objects identification
- Mandatory and Assistive Properties, Ordinal Identifiers, Object repository, Merging of Object repository
- Check points, Regular Expressions, GetTO vs GetRO Property
- Reporting a step with reporter events
- Actions: Its types and how to call
- Intro to VB scripting: Datatypes, Variables, Constants, Conditional statements,
- Looping statements
- Parameters, Types of Parameters
- Analyzing results
- Analyzing Options under Tools Menu

3. Load Runner (Duration: 3hrs)

- Introduction to Performance Testing
- Load Runner features
- Components of Load Runner
- Scheduling the users and Test for Performance
- Analyzing the Results

- Creating Checkpoints
- Analyzing reports

4. Quality Center (QC) (Duration : 3hrs)

- Intro to Test Management
- Characteristics of QC
- SA bin
- Customizing the project in QC bin.
- Manual Testing Process
- Scheduling Test Runs

5.JMeter(Duration:2 hrs)

- Introduction to JMeter
- How to install JMeter in easy steps
- Complete Element reference for JMeter

Batch Timing: 9 am-5.30 pm / 9 am-1 pm / 1.30 pm-5.30 pm / Saturday Only