

## Testing Tools Course Outline

Duration: 45 Hours

### Manual Testing

- Quality Principles α Software Process α Test Standards
- Software Development Life Cycle
- Project Management
- Requirement Management
- Configuration Management
- Software Testing Fundamentals
- Testing Policy vs Quality Policy
- Testing Economics and Testing Cost
- Tester Role in an organization
- Testing levels
- Unit, Integration, System, UAT
- Black Box Testing Techniques
- Test Level Criteria

### Special Test Types

- Performance
- Usability
- Vendor Validation
- Benefit Realization
- Configuration
- Compatibility
- Recovery
- Security

### Test Life Cycle

- Test plan Preparation
- Test Case Design
- Test Execution and Log Preparation
- Defect Tracking
- Test Reports

### Test Plan and Test Case Template

### Web Testing Automation Tools Win Runner

## **QTP**

### **Load Runner**

### **Quality Center**

### **Quick Test Professional**

- Introduction to Testing Process
- Object Repository
- Recording a Test
- Synchronizing Point
- Check point
- Parameterization
- Regular Expression
- Output Values
- Step generator
- Virtual Object
- Recovery Scenario
- Actions
- Batch Test
- Scripting
- QTP Framework

### **Load Runner**

- Introduction to Performance Testing and Load Runner
- LOAD Testing Terminology
- Components of Load Runner
- Performing Load Testing
- Performing Stress Testing
- Recording Process
- Manual and Goal Oriented Scenario
- Analyze Results

### **Enhanced Load Testing**

- Recording Multiple Transactions
- Parameterization
- V Users and parameters
- Rendezvous Point
- Understanding Transactions
- Web Application Load Testing
- Analyze Graphs of Performance Testing

## Quality Center

- Introduction
- Manual Testing Steps
- Creating Users and Groups
- Test Case Designer
- Preparing Reports
- Defect Report Preparation
- Quality Center Integration MS Excel
- User Administration
- Quality Center and QTP Integration
- Automated Testing using WR & QTP.

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