



- ✦ Syllabus that Meets Industry Demands
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*...Innovation every moment*

## Manual Testing (12 hrs)

- Definition of Software
- Categories of Software
- Definition of Testing
- Categories of Testing
- Objective of Testing
- Causes of Defects
- Why are we testing
- Psychology of a Tester
- Roll of a Tester
- Definition of Quality
- Quality Assurance
- Quality Control
- Static testing
- Dynamic Testing

## SDLC

- Requirements Gathering
- BRS and SRS Documents
- Planning and Analysis
- Designing
- HLD and LLD Documents
- Coding
- Unit Testing
- Integration Testing
- Functional Testing Definitions
- Non Functional Testing Definitions
- System Testing
- Release and Maintenance
- User Acceptance Test
- Enhancement and Missed defect

## SDLC Models

- Waterfall model
- Incremental model
- Spiral Model
- RAD model
- V- Model
- Verification Techniques
- Walk through
- Inspection
- Peer reviews

## Manual Testing

- Testing Principles
- Optimal Testing Vs Ad-hoc testing

## Testing Process

- Test Initiation
- Test Strategy/Methodology
- Test Responsibility Matrix
- Test Plan
- Entry Criteria
- Suspension Criteria
- Exit Criteria
- Test Deliverables
- Test Design
- Boundary Value Analysis
- Equivalence Class Partition
- Decision Tables
- Use Cases
- Test Cases
- Test Execution
- Sanity Test/Smoke Test
- Real Testing
- Retesting/Regression Testing
- Final Testing

## Bug Life Cycle

- Test Report
- Error, Defect and Bug
- Categories of Defects
- Defect Report Format
- Test Management

## C Language (4 Hrs)

- Introduction to C Language
- Data Types
- Variables
- Operators
- Conditional Statements
- Looping Statements
- Arrays
- Functions
- Exercise

## Introduction to Automation Testing

- Introduction to Automation Testing
- Drawbacks in manual Testing
- Advantages of Automation Testing
- Types of Test Cases to be automated
- Types of Test Cases no to be automated
- Limitations of Automation Testing
- Drawbacks in Automation Testing

## Win Runner (10 hrs)

- Introduction to Win Runner
- Testing Process
- Win Runner Frameworks
- Liner Framework
  - Recording Modes
  - Check Points
- Keyword Driven Framework
  - Creating Functions
  - Calling Functions
- Data Driven Framework
  - Input through Keyboard
  - Notepad
  - Excel Sheet
  - Front end Objects
- Importing data from Data Base
- Recovery Scenario Manager
- Batch Testing
- Synchronization
- Regular Expressions
- Transactions
- GUI Map Editor
- GUI Map Configuration
- Virtual Object Wizard
- Debugging
- Running Modes

## Basic Quick Test Professional (12 hrs)

- Introduction to QTP
- QTP Supporting Environments
- Features of QTP
- Testing Process
- QTP Frameworks
- Liner Framework
  - Recording Modes
  - Check Points
- Action Driven Framework
  - Creating the Actions
  - Parameterize the Action
  - Calling the Action
  - Splitting the Action
  - Call to win runner
- Keyword Driven Framework
  - Creating the functions
  - Calling the functions
  - Step Generator
- Data Driven Framework
  - Input through Keyboard
  - Notepad
  - Excel Sheet
  - Front end Objects
- Importing data from database
- Recovery Manager
- Batch Testing
- Regular Expressions
- Synchronization
- Output Values
- Parameterization
- Object Identification
- Object Repository
- Debugging
- Running Modes

## Advanced Quick Test Professional

- QTP Object Models
- Advantages of Descriptive Programming
- Dictionary Object
- Descriptive Programming
- Creating Objects
- Working with Web Application

## VB Script

- Introduction to VB Script
- Variable
- Data Types
- String, Date, Array and Conversion functions
- Reading the Values from DB, External Excel Sheet and XML File
- Automation Life Cycle
- Test Automation Framework
- Types of Automation Framework
- Local and Shared Object Repository through Scripting
- Test Execution
- Test Report
- HTML Report
- XML Report

## Quality Center (4 hrs)

- Configuration Management
- Creating the Domain
- Creating the Project
- Adding the users
- Requirements
- Test Plan
- Test Lab
- Defects
- Manual Testing Using QC
- Automation Testing using QC

## Silk Test (4 Hrs)

- Introduction to Silk Test
- Creating the Project
- Creating the Test Frame
- Creating the Test Plan
- Creating the Test Script
- Check Points
- Parameterization
- Data Driven Framework
- Recovery System
- Batch Testing
- Regular Expressions
- Synchronization

## Data Base Testing (4 HRS)

- Introduction to Database
- Need for Database Testing
- Creating Project
- Creating Tables
- Insert, Alter and Update table
- Index
- Normalization
- Constraints
- Trigger
- Joins
- View

## Load Runner (6 hrs)

- Introduction to Performance Testing
- Manual Vs Automation Performance Testing
- Need for performance testing
- Introduction to Load Runner
- Load Runner Components
- Creating the Load Runner Scripts
- Running the Load Runner Scripts
- Time Parameters
- Running the scripts
- Analyze the scripts results
- Recording the Test Scripts
- Ramp Up and Ramp down
- Goal Oriented scenario
- Transactions
- Rendezvous Point

- Analyzing the graphs
- Record and Runtime settings
- Correlation
- Monitoring Scenario
- Scheduling Scenario

## Project

- Manual Project: 10 hrs
- Automation Project: 10 hrs

## Contact

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