

QTP: S/W Testing Automation Tool

Duration: 50 Hours

Prerequisites

- Knowledge of Manual Testing

VBScript (10 Hours)

1. Introduction

- Simple VBScript code
- Comments in VBScript

2. Variables and Data Types

- VB Script Variables
- VB Script Data Types
- Implicit and Explicit Data Types
- Scope of Variables
- Operators

3. VB Script Operators

- Input/Output Operations
- Constants
- Creating an array in VBScript

4. Control Structure

- Conditional Control Structures
- If Else Loop
- For Loop
- While Loop
- Switch Case

5. Procedure and Functions

- Function
- Sub Procedures
- Built-In Functions
- User Defined Functions
- VBScript Syntax Rules and Guidelines

6. Pop-Up Dialogs

- MsgBox
- InputBox

7. QTP Add-Ins Information

QTP(40 Hours)

1. Introduction to Automation Testing

- What is Automation Testing?
- Why Automate?
- When to Automate?
- Which Test Cases to Automate?
- Different Automation tools
- Automation challenges & Mitigations

2. Introduction to QTP

- About QTP
- Getting Familiar with QTP windows
- Main Stages of QTP

3. Record and Play with Test

- Normal Recording
- Low Level Recording
- Analog Recording

4. Object Repository and Identification

- Local Object Repository
- Object Spy
- Share Object Repository
- Merging of Object Repository
- Mandatory Object Identification
- Assistive Object Identification

- Ordinal Identifier
- Smart Identification

5. Checkpoints & Synchronization

- Define checkpoints
- Types of Checkpoints
- Use standard checkpoints
- Uses of synchronization in QTP
- Windows and Web Objects

6. Actions

- Types of Actions
- Actions Vs Functions

7. Parameterization

- Parameter Types
- Using Datatable Parameters
- Transaction

8. Different way to write Script

- Report Object
- QTP Run Mode

9. Objects Type

- Standard Object
 - Custom Object
 - Virtual Object
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10. Exception Handling & Debugging

- Exception Handling
- Recovery Scenario
- Regular Expression

11. Object Models

- FSO
- COM
- AOM
- DOM

12. Data Table and Descriptive Programming

- Introduction & Advantages

- Types of DP

13. Working with Database

14. Working with Excel

15. WSH(Window Script Hosting)

16. QTP Automation Frameworks

- Test Script Modularity Driven
- Library Architecture
- Data Driven
- Keyword Driven
- Hybrid Driven

17. QTP Integration with HP Quality Center

- Saving scripts in QC
- Running QTP scripts from QC

❖ **Tips to Crack the Interview**
