

Quality Test Professional

Introduction to Automation Testing

- What is Automation Testing?
- Advantages of Automation Testing
- Disadvantages of Automation Testing
- Difference between various Automation Testing tools

Introduction to QTP

- Basic Components in QTP
- QTP IDE
- QTP Benefits in Test Automation
- Test Planning
- Prepare for Test Case Automation

Recording and Playback

- Understanding, Creating and Executing Basic Scripts
- Recording a sample test
- Understanding Recording levels
- Enhancement of recorded script
- Understanding QuickTest Results

Object Repository

- QTP Classes and Objects
- Object Identification

- Introduction to Object Repository
- Object Spy
- Object Properties
- Understanding the Expert view and the tree view
- Introduction to Checkpoints

Synchronizing Tests: Standard and Text Checkpoints

- Synchronizing Tests
- Adding Synchronization steps
- Standard and Text Checkpoints
- Different ways of inserting Checkpoints
- Enhance Tests with Checkpoints

Regular Expressions

- Introduction to Regular Expressions
- How to use Regular Expression in Descriptive Programming
- How to use Regular Expressions for Object Property Values
- How to use Regular Expressions in Standard Checkpoints
- How to use Regular Expressions in Text Checkpoints

Creating Tests with Multiple Actions

- What is Action?
- Types of Actions
- Methods to Import an Action
- Benefits of Test Modularity
- Creating Multiple Action Tests

- Configuring and Calling Reusable Actions

Checkpoints

- What is Checkpoint?
- Why Checkpoint is needed
- Types of Checkpoints
- Adding Checkpoints to a Test

Data-driven Testing

- Parameterization of Tests
- Creating data-driven tests
- Local and Global Data Tables
- Working with Data Table
- Connecting the Data table to a database
- Importing an Excel file or Excel Sheet to the Data table

Recovery Scenarios

- Handling exception using Recovery Manager Wizard
- Usage of Recovery Manager Wizard
- Completing a Recovery Scenario
- Creating and associating .QRS file for Recovery Scenario

Step Generator

- Introduction to Step Generator
- Generating script using Step Generator
- Advantages of Step Generator

- Disadvantages of Step Generator

Object Model

- Standard Window Objects
- Web Objects
- Calling compiled Modules in QTP

Virtual Object

- Introduction to Virtual Object
- When Virtual Object is used
- Virtual Object Manager
- Limitations of Virtual Object

Debugging

- When is Debugging used?
- Step Into
- Step Out
- Step Over

Basics of VB Scripting

- Data Types, Variables and Constants
- Arithmetic, Comparison, Concatenation and Logical Operators
- Conditional Constructs
- Looping Constructs
- Arrays and Function
- Important Inbuilt Functions

Working in the Expert View

- Defining the Quick Test Object Model: Objects, Methods and Properties

- Translating Test Steps in Tree view to Expert view
- Enhance test cases in Expert view using Quick test functions and VBScript programming.

Framework

- Introduction to Framework
- Framework Folder Structure
- Different Types of Framework
- Advantages of Framework

Keyword Driven Framework

- Introduction to Keyword Driven Framework
- Development of Keyword function
- Calling keyword function to automate test case

Real Time Scenarios

- How to start in Real time projects
- Connecting to the Database
- Getting input value from the external Excel sheet