



QTP

QTP Content & Course Syllabus

Introduction to Automation Testing

- What is Automation Testing
- When Automation is needed
- When Automation is not needed
- Advantages of Automation Testing
- Disadvantages of Automation Testing
- What are the popular Automation Tools in the industry
- What is the difference between various Automation Testing Tools

Introduction to QTP

- QTP IDE , Basic Components in QTP , Addin Manager
- How does QTP works/Object recognition concept
- Record a sample Test
- Understand the Script
- Execution of a Test
- Enhancement of recorded script

Framework in QTP

- What is Framework
- Types of Framework
- Linear Scripting
- Structured Scripting
- Data Driven
- Keyword Driven
- Modular Driven
- Hybrid

Object Repository



- QTP Classes and Objects
- Details of OR
- Types of OR
- How to create OR
- Test Object Vs Run time Object
- Configuring Object identification
- Object Spy
- Object Properties
- Logical Name
- Mandatory/Assistive properties /Ordinal identifier
- Smart Identification
- Compare and Merge options

Recording Modes

- What is Recording Modes
- Types of Recording Modes
- Normal Recording Mode
- Analog Recording Mode
- Low Level Recording Mode

Checkpoints

- What is Checkpoint
- Why Checkpoint is needed
- Types of Checkpoint
- Different ways of Inserting Checkpoints

Parameterization

- What is Parameterization
- Why Parameterization is needed
- Types of Parameterization
- Datatable, Random Number and Environment Number
Parameterization
- How to access data from Global Sheet and Local sheet

Actions



- What is Action
- Types of Actions
- Methods to import an Action
- Call to New
- Call to Existing
- Call to Copy

Regular Expression

- Regular Expression
- When to Use Regular Expression
- How to use Regular Expression in Descriptive Programming

Recovery Scenarios

- Handling the exception using Recovery Scenario Manager
- Usage of Recovery Scenario Wizard
- Completing a Recovery Scenario
- Creation and Association of .QRS file for Recovery Scenario

Step Generator

- What is Step Generator
- How to Generate script using Step Generator
- Advantages & Disadvantages of using Step Generator

Virtual Object

- What is Virtual Object
- When Virtual Object is used
- Limitations of Virtual Object

Debugging

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

Descriptive Programming



- What is Descriptive Programming
- Types of Descriptive Programming
- Working with DP Object
- Working with Object Collection

Basics of VB Scripting

- Data Types, Variables, Constant
- Operators-Arithmetic,comparison,Concatenation,Logical
- Conditional construct If Then Else and Select Case
- Looping Construct Do,While,For Next, For Each Next
- Arrays and Functions
- Important Inbuilt functions

Some real time Scenarios

- How to start in real time projects
- How to connect to the Database
- How to get input value from the external excel sheet