

Course Brochure

A blue oval with a white border containing the text "QTP" in white, sans-serif font.

QTP

Overview

- This course is to understand the HP automation tool QTP (Quick Test Professional). Creating automation scripts with the tool using advanced features like Actions, Library files, Data Driven Tests, Descriptive programming, Exception Handling and understand the different frameworks available for QTP

Pre-requisites

- Basic idea on Manual Testing and Passion to learn Automation Testing.

Applications

- QTP is used to automate the softwares developed using technologies like VB, ActiveX, .NET, Java/J2ee, SAP, Oracle Applications, Siebel, Mainframes, Multimedia & Flash, PowerBuilder etc... which runs on the operating system XP and Vista.

Introduction to Automation testing

- ❖ Understanding what is Automation Testing and
- ❖ Need of Automation.
- ❖ Introducing various tools and functionalities.
- ❖ Difference between manual testing and Automation testing.
- ❖ Prerequisites for -Win Runner to QTP
- ❖ Introduction to QTP tool and discussion on
- ❖ various versions of QTP

Testing Process of QTP

- ❖ Understanding the Test Process of QTP
- ❖ Discussion on the various components of QTP
- ❖ window like test pane, Test details pane,
- ❖ Active screen, Data table, Information and
- ❖ missing Resources window.
- ❖ Discussion on the keyword view and Expert view.
- ❖ Understanding different toolbars and window
- ❖ themes (MS office 2000, X~ Office 2003, MS.Net 2005).

Implementation GUI and Bitmap Regression Test

- ❖ Understanding the Add-in manager.
- ❖ Working with Automation Record and Run setting
- ❖ Working with File settings.
- ❖ Working with Tools options

Creating Test Scenarios / Components

- ❖ Creating a basic script.
- ❖ Understand diff recording modes of QTP (Normal, Analog, Low-Level).
- ❖ Understanding Test object, Run Object,
- ❖ Pre Learning and Auto Learning.
- ❖ Understanding how QTP identifies the objects (Mandatory & Assistive properties).
- ❖ Working with Object Repository (Shared and Per-Action).
- ❖ Working with Object Repository Manager.
- ❖ Associating Objects Repositories to Actions of QTP
- ❖ Working with Object Spy
- ❖ Understanding the basic structure of QTP script
- ❖ on different technologies like (VB, .Net, Java/ J2EE, Web and Standard windows).
- ❖ Understanding the need of checkpoints in Automation.
- ❖ Working on various checkpoints available in QTP
- ❖ Understanding the need of output values in Automation.
- ❖ Working on various output values available in QTP
- ❖ Understanding the Environment Variables / Global Variables.
- ❖ Working on both inbuilt and Userdefined Variables

Action in QTP

- ❖ Introduction to Actions in QTP advantages of Actions.
- ❖ Creating New actions, Split actions.
- ❖ Working on reusability of Actions with call to existing and call to copy options.

Functions, Procedures and Classes (Library Files)

- ❖ Understanding the need of reusability while Automation Testing.
- ❖ Creating Local and Global functions in QTP
- ❖ Working with Library Files of QTP
- ❖ Creating user defined classes, methods and objects in QTP
- ❖ Understanding how a function returns the value in QTP

Parameterization / Data Driven Test

- ❖ Introduction to parameterization.
- ❖ Creating a Parameterized script (Data Driven Test)
- ❖ Working on different methods of Data Table object
- ❖ Working on different ways of parameterizing an object in QTP

File Operations in QTP

- ❖ Working with file system object
- ❖ Reading from, Writing to external files like Text files, Excel files.
- ❖ Working with XML util object.
- ❖ Performing various operations on XML files using QTP

Advanced Options

- ❖ Descriptive programming.
- ❖ Exception Handling / Recovery scenario Manager.
- ❖ Smart Identification, Configuration of object Identification.
- ❖ Database connection using ADODB objects. VB Scripting language