

## Some of our Customers



### Courses Offered...

- ✓ ETL Testing
- ✓ ISQTB Certification
- ✓ HP QC
- ✓ Mobile Application Testing
- ✓ HP LoadRunner
- ✓ Test Automation Frame Work
- ✓ HP QTP
- ✓ Selenium
- ✓ Ideabytes® Certified Model Based Test Professional

Download our complete syllabus

[http://ideabytestraining.com/pdf/corporate\\_training\\_brochure\\_new.pdf](http://ideabytestraining.com/pdf/corporate_training_brochure_new.pdf)



Scan QR Code ➔ Phonebook

#### INDIA

Ideabytes® Software India Pvt Ltd  
#50, Jayabheri Enclave, Gachibowli,  
Hyderabad – 500 032  
Phone : +91 40 6555 5959  
Mobile : +91 967 664 0909  
+91 988 544 8426  
Mail to : [training@ideabytes.com](mailto:training@ideabytes.com)  
Web site : [www.ideabytestraining.com](http://www.ideabytestraining.com)

#### CANADA

142 Golflinks Drive, Ottawa K2J 5N5,  
Phone : +1 613 800 7372  
 USA  
12930 Saratoga Avenue, Suite B-9  
Saratoga, CA 95070  
Phone: +1 408 824 7667  
 MALAYSIA  
43300 Seri kembangan, Selangor.

Scan to Win\*

IBT-2014-B10-2.0



**Ideabytes®**  
Innovation is Business  
Established 2009

Leader - Software Tester Training  
Tools - Methods - Processes



Testing Knowledge Center



Voted by Industry as :

Best in Training Software Testing & Automation

Specialists : Live Projects - Test Planning, Automation & Execution

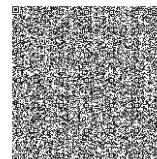
Best in the Industry for  
**TESTING TRAINING**

# ✓ HP QTP (UFT) Version 11.5

## Course Outline

### Testing Fundamentals

- Unified Functional Testing
- GUI testing workflow
- Testing GUI
- Additional GUI testing Tools



Scan to Win\*

### Preparing to Record

- User steps of a transaction
- Test environment
- UFT for GUI Testing
- Application under test
- Create tests
- Prepare the test environment

### Creating a Basic Test

- Develop cases from manual flows
- Save a test
- Run a test and check for errors
- View test results

### Working With Objects

- Identify objects
- Define a UFT for GUI object
- Use the object repository to manage objects

### Adding Synchronization

- How QuickTest identifies Objects Working with Test Objects
- Synchronization in UFT
- Synchronization step for a specified object

### Using Parameters

- Parameter types
- Insert an output parameter
- Insert an input parameter
- Parameterize a checkpoint

### Automatic Parameterization

- Global parameterization
- Use test parameters
- Evaluate test results
- Options to auto parameterize
- global data table parameters
- Create environment variables types

### Building Multiple, Reusable Actions

- Actions in GUI testing
- Action and test iterations
- Share values - global data
- Store action return values
- Create a new action
- Resolve missing actions
- Action types
- Calls to existing actions
- Call actions with parameters
- Multiple actions from a single action
- Call a reusable action
- Use local and global data sheets

### Adding Steps without Recording

- Use conditional statements
- Use the Step Generator
- Steps without the record feature
- Use the reporter object

### Creating Tests on a Web Application

- Record and run a test on a web application
- Insert a text checkpoint in a test for a web application

### Writing Custom Checkpoints

- Custom checkpoint
- Compare captured to expected values

## Using Database Checkpoints

- Database checkpoints
- Create a db checkpoint
- SQL using Microsoft Query
- Parameterize database query

## Significant Checkpoints for GUI Testing

- Table checkpoints
- Working with Global and Action Sheets Editing and Saving Data Table
- File content checkpoints
- XML checkpoint
- Text and text area checkpoints
- Text recognition for Windows-object

## Utilizing a Shared Object Repository

- Object repositories
- Object Repository Manager
- Shared object repositories
- Visual relation identifiers

## Object Identification Techniques

- Config object identification
- Ordinal identifiers
- Smart Identification
- Use Case Scenario
- Mandatory and assistive properties
- Smart identifiers
- UFT & Smart Identification
- Test object mapping

## Using Recovery Scenarios

- Identify exceptions in a test
- Create a recovery scenario

## Local System Monitoring

- Performance graphs
- Local System Monitoring

## Introduction to Expert View

- Advantages of Expert View
- VBScript relevance to UFT
- Keyword view and Expert View
- Common test objects and methods

## Using Expert View

- Step generator
- VBScript With statement
- Manual steps in the Expert View
- Use statement completion

## Working With Object Properties

- Properties of an object
- Access native properties
- Reporter utility - Events
- Set identification property values
- Constants and variables in scripts
- Reporter utility - test results

## Working with Dynamic Objects

- Dynamic values of objects
- Program description for an object

## Using VBScript

- VBScript operators
- VBScript functions
- VBScript statements
- VBScript operators

## Working with Dynamic Data

- Retrieve data from objects
- Data Table object
- VBScript looping statements
- Data-driven test case

## Retrieving External Data

- Access external data

- Connection and RecordSet
- Import and export data to Excel
- Import and export data to Text

## Creating New Procedures

- Creating a procedure
- Register a procedure
- Subroutines and functions
- Function library

## Live Project

# Selenium Testing

## Course Outline

### Introduction:

#### Java

- Introduction
- Loops, Array and Functions Object Oriented
- Object Oriented Programming -1
- Object Oriented Programming -2
- Packages, Access Modifiers/ Exception Handling
- String, File Handling, Log4j/ Handling XLS files

#### Selenium IDE

- Selenium IDE
- XPATHS and firebug
- Wait Commands
- Recording Script
- Running, Pausing and debugging
- Verification and Assertions

#### Introduction to Selenium RC

- Selenium RC
- Java docs
- Default Selenium class
- Full and partial Xpaths
- Selenium IDE and Selenium RC
- Selenium RC in Eclipse
- FireBug and Firepath
- Browsers supported by RC

#### Selenium RC Features

- HTML components
- Capturing Screenshots
- JavaScript alert messages
- Closing browsers and killing sessions
- Slowing down the execution speed
- Extracting Data from Web table cells

#### Selenium RC -Pop Up and Tab- handling

- Window ID & extraction
- Handling popups
- IDs with Selenium Object reference
- Performing actions in pop up win
- Selenium RC Web Tables
- What is a web table?

#### Dynamic Web tables

- Extracting Cell value
- GetTable function in Selenium RC
- Selenium Web Driver

#### Why Web Driver?

- Drivers for Browsers
- Close and Quit methods
- Selenium RC and Web Driver
- Opening multiple browsers at a time
- What is Firefox profile

## Selenium Web Driver – 2

- Firebug & FirePath Addons
- Identifying WebElements
- Handling Links with Web Driver
- Handling web elements

## Selenium Web Driver – 3

- Dynamic objects
- Capturing screenshots
- Tabbed browsing
- Extracting links, other web elements
- Window handles
- Certificate error handling

## Selenium Web Driver – 4

- Pausing execution
- Web DriverWait Class
- Web DriverWait Class
- Introducing wait
- JavaScript alert messages
- Simulating Pressing Enter

## TestNg Framework / ANT

- What is TestNg?
- What is Ant?
- TestNg annotations
- Building BAT files

## TestNg and Hybrid(Keyword+Data)

### Framework

- Hybrid Frameworks
- Reflection API
- XLS File Test Cases and Keywords
- Running the framework through ANT

## Selenium 2.0 Features – 1 XLS File Test Cases

### and Keywords

- WebTable
- Mouse Interface
- Handling cookies
- Ajax Autosuggests
- Dynamic WebTable
- Attaching files with Selenium
- Handling Frames in Web Page
- Working with Calendar

## Selenium 2.0 Features – 2

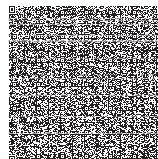
- Firefox profile parameters
- Coordinates- Web Objects
- Listeners in Selenium
- Handling CSS menu
- Simulating Browser button click
- Handling CSS menu with Action class
- Actions class in Web Driver
- JavaScript Executor

## Selenium Grid 2

- Grid 2 introduction
- Grid Node
- Configuration of Grid
- RemoteWeb Driver Object
- End to end scenarios
- Grid Hub
- Grid 1 versus grid2
- Node config json format file
- Parameter tag in testng.xml
- Grid Coding in eclipse

## Selenium 2.0 – Exercises

### Live Project



Scan to Win\*