

## Course Topic- Advance Certificate In Automation Testing (Practitioner)

<b>Course Duration</b>	140 Hrs
<b>Course Modularity</b>	30% Theory And 70% Practical
<b>Course Pricing</b>	16500/-

### Session Plan

#### **Module I : ACAT Foundation(70 Hrs) (DAY 1 To DAY 30)**

#### **Module II –QTP 8.2 (24 Hrs)**

#### **Day 31**

#### **Introducing the Quick Test Professional**

##### **About Automation**

- What is Automation?
- Approach for Automation.

##### **Why QTP?**

- Advantages & Disadvantages of QTP.

##### **Testing Process**

- Pre-requisites for settings
- Recording
- Enhancing Script
- Debugging
- Execution
- Analysis

##### **Exploring the Quick Test Pro window**

- Toolbars
- Active Screen
- Datatable
- Script view window

##### **Recording Tests**

Preparing to record a Test

- Recording a Test
- Running & Analyzing the Test Tree

##### **Working with Actions**

- Working with Multiple Actions
- New Action
- Split Action
- Copy of Action
- Call to Action
- Creating New Actions
- Inserting Existing Actions

## **Day 32:**

### **Synchronization**

Creating Synchronization Points

- Adding Exist and Wait Statements
- Modifying Timeout Values

### **Creating Checkpoints**

Understanding Checkpoint Types

- Checking Objects
- Checking Pages
- Checking Text
- Checking Tables
- Checking Database
- Checking XML

## **Day 33:**

### **Parameterizing Test**

- Defining a Data Table Parameter
- Adding Parameter values to a Data Table
- Modifying steps affected by parameterization
- Running and Analyzing a Parameterized Test

### **Creating Output Values**

- Creating an Output Values
- Standard Output Values
- Text Output Values
- Text Area Output Values
- Database Output Values
- XML Output Values

### **Running & Analyzing Output Values**

## **Day 34:**

- Regular Expressions
- Regular Expression Syntax
- Working with Regular Expressions
- Running and Analyzing a Test with Regular Expressions

### **Additional Features**

- Object Repository
- Object Identification
- Type of Repository
- Type of Properties
  - Object Spy

## **Enhancing Your Tests with Programming Statements**

- Virtual Objects
- Recovery Scenarion Manager
- Working with User-Defined Functions

## **Module III-LoadRunner(16 Hrs)**

### **Day 35**

#### **Understanding Load testing**

- Understand the terms load, performance, stress testing
- Why load testing?
- What is Loadrunner?

#### **Planning an effective load test**

- Study application under test
- Identify test data to be collected

#### **LoadRunner Scripting**

- Creating Web Virtual Users (Vusers)
- Recording user actions using Vugen
- Playback action file and review the result
- Understanding Vuser runtime settings

### **Day 36**

#### **Creating transactions**

- Creating transactions while recording and after recording
- Using automatic transactions
- Using transactions to analyze response time

#### **Parameterization**

- Creating parameterized script
- Executing parameterized scripts

#### **Verification & Checks**

- Image checks
- Text checks
- Scenarios

#### **Defining & Connecting to hosts**

- Defining Vusers & Scripts
- Analyzing Reports

### Infrastructure Requirement-

<b>PC Requirement</b>	P4 or Onwards
<b>Operating System</b>	Windows 2000 or Windows XP
<b>Software's To Be Installed</b>	MS Office, Winrunner, QTP, Loadrunner
<b>Applications To be Installed</b>	Customer Invoicing(Prject4), Hospital Management etc

### Stationary Requirement-

- Handouts of ACAT Practitioner(Including Handout of QTP and Loadrunner)
- Reference Book (Louies Tammers)
- Notepads
- Pens
- Folders
- Course CD
- Case Studies of Student database, Customer Invoicing, Library management