

Registered Office:

7-Way Lane, Ram Mohan Rai Marg, Lucknow-226001

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INTRODUCTION TO SQT

DURATION: 120 Hours

Course fee Rs.10000/-

INTRODUCTION TO SQT

Meaning of Testing, Quality, Quality Assurance, Quality Control Difference between Quality Assurance and Quality Control Software Testing Techniques Defect, Error, Bug, Failure, History of Software Engineering Models of Software Engineering (Waterfall, Prototype, Spiral, Rad, Incremental) Static Testing (Walkthroughs, Reviews, Inspection), Software Development Life Cycle (SDLC). Software Testing Life Cycle (STLC) Difference between SDLC and STLC Bug Life Cycle, ISO & CMM Certifications and its relevance: Testing Types, Software Testing Methodologies (White Box, Black Box & Grey Box) & levels Manuals V/S Automated Testing, Report Analysis, Defect Tracking, Levels of Testing (Unit, Integration, System, UAT) Overview of White Box Testing: Basis path Testing (Flow Graph Notation, Cyclomatic Complexity) Control Structure Testing (Condition Testing, Loop Testing) Type of Testing : Acceptance Testing (Alpha Testing, Beta Testing), Adhoc Testing, Exploratory Testing, Performance Testing (Load, Stress & Volume), Random Testing, Re-Testing, Regression Testing, Sanity, Smoke, Security, Usability, Validation etc..

AUTOMATED TESTING TOOLS

QUICK TEST PROFESSIONAL (QTP 11.0)

WINRUNNER (WR)

LOAD RUNNER (LR)

QUALITY CENTER (QC)

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MANUAL TESTING

Introduction of Manual Testing and its Limitations

Manual Testing Process

Test Policy

Test Strategies

Test Methodology

Test Plans , Test Deliverables, Test Case Writing

Test Design Specification

Test Cases Defect Report

Traceability Matrix

Defect Tracking

Measurement

Black Box (Equivalence Class Partitioning, Boundary Value

Analysis, Decision Table, Use Cases)

White Box

Grey Box

Introduction of Web Testing

Real Time Implementation of Testing Project & Domain Knowledge session.

LIVE PROJECT : Review of Test

Cases Execution of Test Cases Bug

Life Cycle

Bug Reporting Process

Bug Reporting (On Live Projects/Lab)

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WINRUNNER (WR)

Introduction to Win Runner

Testing process

Learning Methods

GUI Map

Recording Methods

Editing the GUI map

GUI Spy

GUI Map Configuration

Check points

Synchronizing test Execution

File Function

Output Function

Retesting

Compiled Module

Function Generator

Regular Expression

Batch Test

Exception Handling

Virtual Objects Wizard

Breakpoints

Watch list

Web Application Testing

Analyzing & Reporting Test Results

Prelearning by Rapid test Script Wizard

Autolearning

Context Sensitive

Analog

GUI Checkpoints

Bitmap Checkpoints

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Database Checkpoints

Get Text

Object Identification

Recovery Scenario Manager

Actions

Parameterization

Output Values

Standard

Text

Text Area

Database

XML

Dividing Tests Info Multiple Actions (split function)

Call to New action

Call to Existing Action

Call to Copy of Action

Call to Winrunner

Documentation

QUICK TEST PROFESSIONAL (QTP)

Introduction

Testing Process

Types of Recording (Normal, Analog, Low level)

Recording Tests

Check Points

Standard

Table

Text

Text Area

Database

Bitmap

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Page

Accessibility

XML

Scenarios

LR Agent

Remote Command Launcher

LR Scripting (GUI, DB & Web)

Parameterize the Scripts

Analyzing Reports & graphs

Using Regular Expression

LOAD RUNNER (LR)

Introduction

Load runner testing process

Vuser Scripts

Working with Vuser

Transactions

Rendezvous points

LR controller

QUALITY CENTER (QC)

Introduction

Site Administration

Test Planing

Test Execution

Filter Technique

Sorting Techniques

Attachment Techniques

Defect Tracking

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