NEXT IT CAREER
Moving minds to right place

Contact: 9392530568
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Duration: **45 to 50 days**
Mode of Training: **Online & Offline**

TOSCA AUTOMATION TESTING

WITH

PROJECT IMPLEMENTATION

TRICENTIS Tosca

COVERED APPLICATIONS

- ✴ **TOSCA WEB**
- ✴ **TOSCA DESKTOP**
- ✴ **TOSCA SAP**
- ✴ **TOSCA DB**
- ✴ **TOSCA API**

TRAINING KEY POINTS:

➢ Resume Preparation
➢ Interview Questions
➢ Mock Interviews
➢ One Bank Project
➢ Placement Assistance

COURSE CONTENT

Module I - TOSCA

Chapter 1 – Automation Testing Overview

- **Introduction to Software Automation**
- **Why Automation is necessary**
- **What is Manual & Automation Testing**
- **What is a Defect, Verification &Validation**
- **Why software has defects**
- **Tester Roles**

Chapter 2 – Tosca Components

- **Tosca Commander**
- **Tosca Executor**
- **Tosca CI**
- **Tosca Wizard**

Chapter 3 – Tosca Commander

- **Tosca Commander**
- **Why It is required**
- **Phases of Tosca Commander**

Chapter 4 – Components/Phases/towers of Tosca commander

- **Modules**
- **Test cases**
- **Execution**
- **Test case design**
- **Test planning**
- **Requirements**
- **Configurations**

- Data Integrity testing

Chapter 5 – Most Frequently used components of Tosca commander

- **Modules**
    - ✓ **Why It is required**
    - ✓ **Importance of Modules**
- **Test case**
    - ✓ **Test Development**
    - ✓ **Test Execution**
- **Test case design**
    - ✓ **Design Framework**
    - ✓ **Modular Framework**
    - ✓ **Manual & Automation**
- **Execution**
    - ✓ **Execute Test cases**

Chapter 6 – Types of Repositories

- Single Repo
- Shared Repo
    - ✓ SQLITE
    - ✓ MS SQL Server
    - ✓ DB2
    - ✓ Oracle

Chapter 7 – Types of Engines

- Tbox
- Classic

Chapter 8 – How to Identify Engines

- Tbox Engine

- Classic Engine
- How to Recognition

Chapter 9 – Scan Application

- XSCAN
- Steer Controls Uniquely
  - ✓ Basic View
  - ✓ Advance View

Chapter 10 – Identification Mechanism

- Identify by own properties
- Identify by Anchor
- Identify by Image
- Identify by Index
- Xpath

Chapter 11 – Browsing Operations

- How to launch browser And Desktop applications
- Different Approaches
- How to launch private browsers

Chapter 12 – Test Configuration Parameter

- What is TCP
- Where we need to declare this parameter
- What is the use of TCP
- Difference between TCP and Business parameter

Chapter 13 – Synchronization

- Static Wait
- Dynamic Wait

Chapter 14 – Basic Window Operations

- **Minimize & Maximize Browsers**
- **Take screenshot**
- **Send keys**
- **Dialog**
- **Clipboard**
- **Scrolling behavior**
- **Save As**

Chapter 15 – Doku Snapper

- **Create Word document for screenshots**

Chapter 16 – Buffer Operation

- **Buffers**
- **Partial buffers**
- **Dynamic buffers**

Chapter 17 – Configuration Parameters

- **Explicit Name**
- **Constraint Index**
- **Constraint Index**

Chapter 18 – Dynamic Expression

- **Date**
- **Time**
- **Random Number**
- **Random Text**
- **Random Regular Expressions**
- **Month**
- **Day**
- **Regular Expressions**

Chapter 19 – Reusable Test Step Block

- **Reusable Test step block**
- **Library**
- **Business parameter**

Chapter 20- Conditions

- **If Condition and Else**
- **While**
- **Do**
- **Repetition**

Chapter 21- Arithmetic Operations

- **MATH( )**
- **CALC( )**

Chapter 22 - Web Tables

- **How to handle Web tables**
- **Implementations of Web Tosca**
- **Scanning & Development**
- **Real time Example**

Chapter 23 - Excel Operation

- **Excel Operations**
- **Read and write operations**
- **Real-time Example**

Chapter 24 - Click Operations

- **Click**

- Percentile
- Pixel method
- JUMP
- Horizontal First
- Vertical First

Chapter 25 - Recovery Scenario & Cleanup Scenario

- What is recovery scenario
- What is Clean up scenario
- Where we need to declare
- Global settings
- Recovery Scenario declaration

Chapter 26 - TC Shell operation

- TC Shell Operations
- Create workspace
- Drag and drop activities
- Login to applications
- Execution
- How to take reports in Tosca

Chapter 27 – Data Driven Framework

- Test Case Design
  - ✓ What is TCD
  - ✓ How to create Attribute & Instances
  - ✓ Manual and Automatic approach
- Excel Data design
  - ✓ Framework
- Test Data Services
  - ✓ Standard Modules

Chapter 28 – Distributed Execution

- **Distributed Execution with Legacy**
  - ✓ **Why it is required**
- **Distributed Execution with AOS**
- **Test Mandate**
- **Test Event**
- **Configurations**
- **Agent & Server Configuration**

Chapter 29 – Recording

- **Manual**
- **Automation**
- **Automated Test Data Driven**

Chapter 30 - Data Base testing

- **DB Connectivity**
- **DB Example**
- **DB Testing**
- **DB Standard Modules**

Module II - TOSCA with SAP

Chapter 1 – Introduction to SAP

- **SAP Modules o SAP Testing Tools**

Chapter 2 – SAP Automation with Tosca Set up SAP Environment

- **Set up SAP Logon pad installation**
- **Set up SAP IDES System**

Chapter 3 –SAP Scanning

- **SAP Real time Scan Modules in SD Environments**

Chapter 4 - SAP Standard Modules

- SAP Login
- SAP Logon
- SAP Menu
- SAP Multiple Logon License Warning
- SAP Status bar
- SAP Sub Toolbar
- SAP Toolbar
- SAP Tree View
- SAP Emulated Tree
- SAP Emulated Table Tree
- SAP Test case preparation and Execution

Chapter 5 – SAP Live Examples

- VA01- Generate and Verify Sales Order
- VL01N-Create Outbound Delivery
- LT03-Create Transfer Order
- VL02N-Change Outbound Delivery
- VF01- Create Billing Document
- VF03-Display Billing Document & Perform a Baseline Comparison

Module II - TOSCA with API

Chapter 1 – API Testing Introduction

- Overview of Tosca API
- Web Services

Chapter 7 – Types of APIs

- Web Services o Rest
- SOAP
- XML, JSON
- HTTP Status Codes
- Request /Response

Chapter 8 – Tosca API Scan Feature

- Record APIs
- File
- URL

Chapter 9 – Using API scan & Tosca for API tests

- Tosca API Scan o API Scan Result.
- Tosca Export o API Modules Assigning the Parameters
- API Test Cases Execute API Test Case

Chapter 10 – Using Authentication API scan & Tosca for API tests

- Tosca API Scan o API Scan Results
- Get Bearer Token
- Tosca Export
- API Modules Assigning the Parameters
- API Test Cases Execute API Test Case

Chapter 11 – Using Record API scan & Tosca for API tests

- **Tosca API Scan**
- **API Scan Results**
- **Tosca Export**
- **API Modules Assigning the Parameters**
- **API Test Cases**
- **Execute API Test Case**

Chapter 12 – Certificate Guidance

- **Automation Specialist level 1**
- **Automation Specialist level 2**
- **SAP Testing Specialist Level 1**