



**TOSCA AUTOMATION**

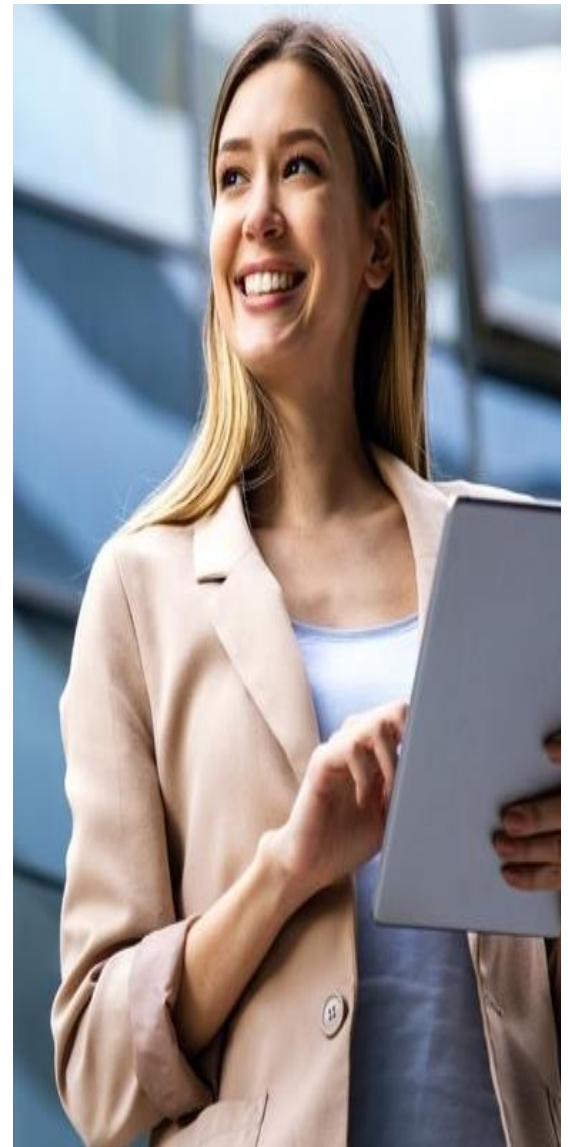
**CERTIFICATION TRAINING**

**COVERED APPLICATIONS**

- ❖ TOSCA with WEB
- ❖ TOSCA with DESKTOP
- ❖ TOSCA with SAP
- ❖ TOSCA with API
- ❖ TOSCA with DB

**TRAINING KEY POINTS:**

- ✓ Training by certified instructor
- ✓ Basic to Advance level training
- ✓ 100% certification clearance program
- ✓ Live Material and Recording
- ✓ Weekend doubts solving sessions
- ✓ 100% hands-on experience in multiple applications
- ✓ Troubleshooting on challenges
- ✓ Interview cracking tips on topic wise
- ✓ Weekly assignments
- ✓ Interview questions & Answers document
- ✓ Industry level CV/Resume Preparation
- ✓ Mock Interviews



# **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

## **Chapter 28 - Test Data Services**

**Test Data Services hands-on experience**

## **Chapter 29 – Distributed Execution (DEX)**

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

## **Chapter 30 – Recording**

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

## **Chapter 31 - Data Base testing**

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

## **Chapter 32 - Admin Tasks (User Management)**

## **Chapter 33 - PDF Scan & Comparison**

## **Chapter 34 - Tosca Query Language**

## **Chapter 35 - File Operations & Folder Operations**



# **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.**
- **Distributed Execution for SAP Test cases.**

## **Module II - Tosca with API**

### **Chapter 1 – API Testing Introduction**

- **Overview of Tosca API**
- **Web Services**

### **Chapter 2 – Types of APIs**

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

### **Chapter 3 – Tosca API Scan Feature**

- **Record APIs**
- **File**
- **URL**

### **Chapter 4 – 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 5 – 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 6 – 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**

## **Certificate Guidance**

### **Tricentis Tosca Product Consultant Certification**

- **AS 1**
- **AS2**
- **TDS1**
- **TDS2**
- **AE1**
- **API**