



**NEXT**

**IT CAREER**

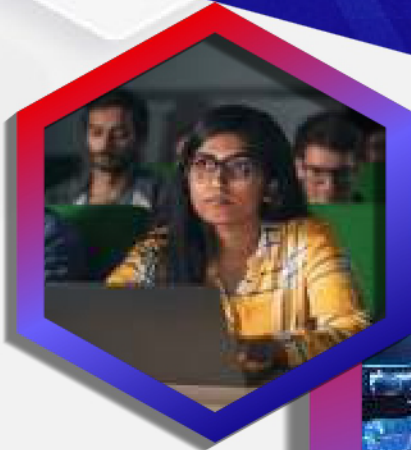
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**Since 2017**



# TOSCA AUTOMATION

Certification Training



**Best Training and Placements Institute**



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# About Next IT Career

**Next IT Career** Best Software Coaching Center in Hyderabad Corporate training is a function of human resource management that aims to provide the organization's employees with the knowledge and skills required to be successful. In turn, the growth of employees also contributes to the success of the business. In recent years, Its also seen as a long-term strategic assignment rather than a cost center for the organization. The majority of companies have embraced 'continual learning' in it to promote employee growth both professionally and personally and acquire a highly skilled workforce as a result.



**Corporate Training**



**Classroom Training**



**Online Training**

## Why Choose Us?



**Training by  
Certified Instructors**



**Weekly Assignments**



**Project Training**



**Resume Preparation**



**Mock Interviews**



**Interview cracking  
tips**

# Course Syllabus

## 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
  - ✓ Advanced 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

## 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

- 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)

- Excel Data design
  - ✓ Framework
- 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 – TC Shell operation**

## **Chapter 33 – Data Driven Framework**

## **Chapter 34 – Test Data Services**

## **Chapter 35 – Distributed Execution (DEX)**

# **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 – Tosca API Scan Feature**

- Record APIs
- File
- URL

## **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 III - 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

## Our Training highlights

### Covered Applications

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

### Keypoints

- ✓ 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

# Certificate Guidance



## Our Other Courses

### Trending Software Testing courses

Manual Testing 

Selenium Automation 

Tocsa 

ETL Testing 

Performance Testing 

API Testing 

Load runner 

J-meter 

Neo load 

### Most Trending Courses

Data Science 

Data Analytics 

Scrum Master 

### Most Demand Courses

AWS DevOps 

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## Our Infrastructure

