



On a mission to transform talent

10XTracks for Software Testing

High quality, role-based elearning tracks for high performance testing professionals

TalentSprint's 10XTracks for Software Testing is a well-defined, structured, role based eLearning solution that equips high performance testing professionals with the essentials skills they need to be able to execute on customer projects with quality and accuracy. TalentSprint combines its substantial expertise in utilizing experiential learning techniques with a practitioner's approach in training to deliver on the promise of 10x – ten times the quality and productivity at a tenth of the price.

TalentSprint's role based e-learning solutions provide guided tracks to help professionals gain proficiency on the essential processes, tools and best practices of software testing.

Module 1: Functional Testing – Essentials of Testing

Role: Entry Level Test Engineer

Time: 20 Hours

Coverage:

- Fundamentals of testing and standard SDLC models
- Introduction to test design, levels and types
- Introduction to equivalence partitioning and boundary value analysis
- Fundamentals of Decision Table based test case design, UML, State Transition test case design
- Test case execution and environment setup
- Defect reporting, classification and life cycle management

Module 2: Test Automation – The Smart Way

Role: Software Engineer / Senior Test Engineer

Time: 32 Hours

Coverage:

- Introduction to automation testing processes and framework
- Basics of QTP - Hands-on introduction to HP QuickTest Professional(QTP) - includes recording and run modes, Object Identification mechanism, Object Repository, Synchronization Points, Checkpoints, Parameterization, Output values and Adding steps without recording
- QTP Advanced Features - Multiple actions, Reusable actions , Function Libraries, Database checkpoint, Debugging, Working with QTP Test Object methods, Utility methods and DataTable methods , Descriptive programming , Object Repository Management, Smart identification, Recovery Scenario, Virtual Object and Relative Paths and Working with WebTables
- Using HP Quality Center – Introduction to Quality Center and business process testing
- Using MS Visual Studio – Introduction to IDE, Process and Testers workflow
- Using Selenium for Automation testing – Configuration of Selenium environment , Selenium IDE GUI features and commands, concept of actions, accessors, creating and executing of Selenese test cases, Working with Selenium Remote Control and TestNG Framework
- Essentials VB Scripting Skills for Testers – Data types, loops, arrays, procedures, File system management, Excel automation and working with database
- Fundamentals of RDBMS and SQL

Module 3: Performance Testing – Doing it Right in the Real World

Role: Senior Test Engineer / Lead Test Engineer

Time: 12 Hours

Coverage:

- Introduction to performance testing and associated processes
- Planning based on application architecture and protocols - client server architecture, thick and thin client, web architecture, application server, web server, database server, presentation server, TCP/IP Protocol, File Transfer Protocol (FTP)
- Gathering performance requirements and building a comprehensive test plan
- Introduction to HP LoadRunner terminology, architecture and process
- Generating Load Test Scripts using VuGen – Recording, Transactions, Parameterization, Auto and Manual Correlation, Content Checks, Advanced Load Runner Scripting Techniques
- Designing and executing scenarios using HP LoadRunner
- Monitoring Load Tests with LoadRunner Monitors and Analyzing Performance Testing Metrics
- Introduction to installing, configuring and using open source performance testing tools such as Jmeter

Role based structured learning tracks

Guided, structured learning paths

- Theory
- Processes
- Metrics
- Tools

High-quality Content

- Games & Simulations
- Exercises and Practice Exams
- Comprehensive Notes

Real World Decision-Making

- Constraints
- Benefits
- Pitfalls

Practitioner's Approach

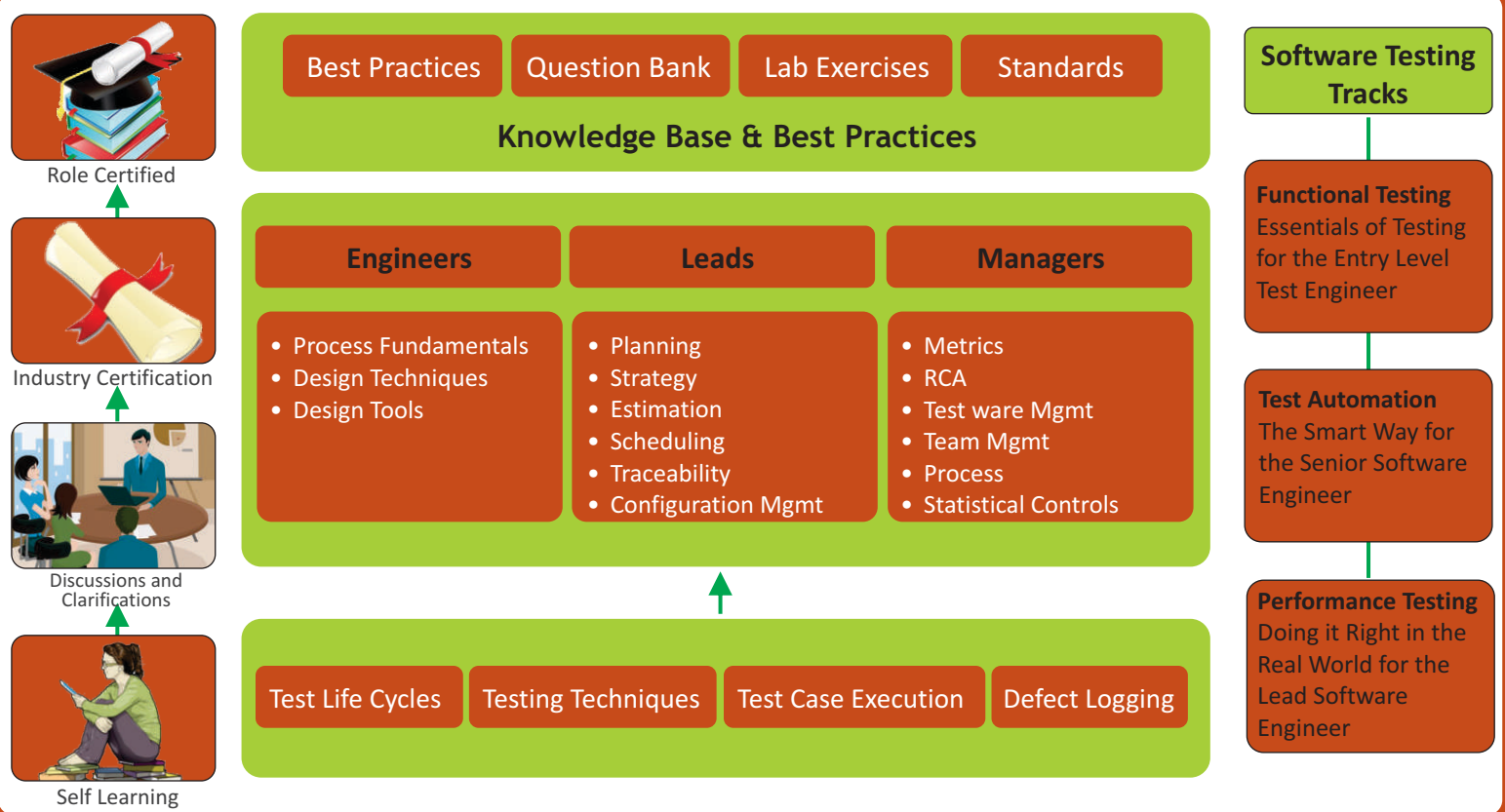
- Tips & Tricks
- Best Practices
- Trade-offs

Benefits of 10XTracks - TalentSprint's e-Learning Platform



Deployment: 10XTracks for Software Testing is available as a hosted solution or for enterprise-wide deployment.

Streamlining the Learning Process for Software Test Engineers, Leads and Managers



About TalentSprint

TalentSprint is a leader in creating high performance professionals for the global industry through fast-track transformations. Focused on IT and BFSI sectors, TalentSprint has developed experiential learning programs that are based on industry-designed curriculum and are backed by national or international certifications.