

**SAMBODHI**

**SOFTWARE  
TESTING**



## **ISTQB Training Course**

Project Based Immersive Learning Course

### **ISTQB Training Course Overview**

The ISTQB (International Software Testing Qualifications Board) is a widely recognized organization that offers certification for software testers. Education Nest provides an ISTQB training course designed by industry experts who keep up with the latest developments in software testing. This comprehensive course covers all aspects of software testing, including testing principles, design techniques, testing tools, and test management, using real-world examples and projects. The course is divided into different levels, with each level focused on specific areas of software testing. The levels of the ISTQB training course are as follows:

- Foundation Level
- Advanced Level
- Expert Level

We are the best ISTQB Training Providers and we have an excellent syllabus. You will gain expertise in this area after completing the course.

## **Benefits of ISTQB Training Course:**

An ISTQB training course can help you gain industry recognition, improve your knowledge and skills, enhance your career prospects, improve your job performance, and give you a competitive edge in the job market.

There are several benefits of taking an ISTQB (International Software Testing Qualifications Board) training course:

- Software testing is the never-ending sector in IT and therefore you always will have huge opportunities in this field.
- The average salary of a Senior Quality Assurance (QA) professional is \$85,966 per annum.
- It is 100% job oriented training Course.

## **Who should learn?**

- Testers
- Test analysts
- Test engineers
- Software developers
- Business analysts

## **Why do you need ISTQB Training Course?**

### **Average Salary Growth:**

According to payscale.com, the average salary for a software test engineer with ISTQB certification is around \$74,000 per year in the United States. This can increase significantly based on factors such as experience, job role, and location. In general, the salary of an ISTQB expert tends to increase as they gain more experience in the field. According to the ISTQB Salary Survey 2020, the average salary of ISTQB certified professional's increases by 12% after obtaining the certification.

## **Industries:**

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ISTQB (International Software Testing Qualifications Board) certification is highly valued and recognized by various multinational companies (MNCs) around the world. As software testing is an essential part of software development, MNCs often require software testers with ISTQB certification to ensure high-quality software products. According to various job market analyses, MNCs such as IBM, Accenture, Capgemini, Infosys, Wipro, Cognizant, TCS (Tata Consultancy Services), Microsoft, HP (Hewlett Packard), Intel, Cisco, Amazon, Google, Oracle and SAP are among the top companies that frequently hire ISTQB expert.

## **Position in Market:**

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According to employment data and industry projections, the growth of ISTQB certification is expected to continue in the future. A report by ResearchAndMarkets.com projects the global software testing market to grow at a CAGR of 12.87% between 2020 and 2025. Additionally, the ISTQB Salary Survey 2020 found that the number of ISTQB certified professionals has increased significantly over the past few years. The survey also found that the certification is highly valued and recognized by employers, with 89% of respondents reporting.

## **Designations:**

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- Software Test Engineer
- Quality Assurance (QA) Tester
- Test Analyst
- Test Manager
- Test Automation Engineer
- Senior Test Engineer
- Lead Test Engineer
- Test Consultant
- QA Lead
- QA Manager

## Why ISTQB Training Course from Education Nest

- **Free Demo on Request**
- **Live Interactive Learning**
- **Lifetime Access**
- **Flexible Schedules**
- **24x7 Support**
- **One on One Doubt Clearing**
- **Real Time Project-Based Learning**
- **Certificate Oriented Curriculum**

### **Key Skills Covered:**

- Management of Testing
- Requirement Management
- Incident Management
- Configuration Manage
- Test Execution & Logging
- Static Testing
- Test Specification
- Review Tools
- Performance & Monitoring
- Static Analyzers
- Specific Testing Needs
- Modeling Tools
- Table Testing
- Dynamic Analyzers
- Security Testing Tools
- Case Testing
- Load/Stress Tools
- Transition Testing
- Test Harness
- Test Comparators
- Coverage Management
- Monitoring Tools
- Equivalence Partitioning
- Boundary Value Analysis

## **ISTQB Training Course Syllabus**

### **Module 1: (Basic Fundamentals of testing)**

- Why testing is necessary?
  - Software system context
  - Causes of software defects
  - Role of testing in Software development, Maintains and Operations
  - Testing and Quality
  - How much testing is enough
- What is testing?
- Seven testing principles
- Fundamental Test process
  - Test Planning and Control
  - Test Analysis and Design
  - Test Implementation and Execution
  - Evaluating Exit Criteria and Reporting
  - Test Closure Activities
- The Psychology of Testing
- Code of Ethics

### **Module 2: (Testing Throughout the Software Life Cycle)**

- Software Development Model
  - V-model (Sequential Development Model)
  - Iterative -incremental Development Models
  - Testing within a Life Cycle Model

- Test Levels
  - Component Testing
  - Integration Testing
  - System testing
  - Acceptance Testing
- Test Types
  - Testing of Function (Functional Testing)
  - Testing of Non — functional Software Characteristics (Non — functional Testing)
  - Testing of Software Structure/Architecture (Structural Testing)
  - Testing Related to Changes: Re-testing and Regression Testing
- Maintains Testing

### **Module 3: (Static Techniques)**

- Static Techniques and the Test Process
- Review Process
  - Activities of Formal Review
  - Roles and Responsibilities
  - Types of Review
  - Success Factors for Review
- Static Analysis by Tools

### **Module 4: (Test Designing Techniques)**

- The Test Development Process
- Categories of Test Design Techniques
- Specification-Based or Black-Box Techniques
  - Equivalence Partitioning
  - Boundary Value Analysis
  - Decision Table Testing

- State Transition Testing
- Use Case Testing
- Structure-based or White-box Techniques
  - Statement Testing and Coverage
  - Decision Testing and Coverage
  - Other Structure-based Techniques
- Experience-based Techniques
- Choosing Test Techniques

## **Module 5: (Test Management)**

- Test Organization
  - Test Organization and Independence
  - Tasks of the Test Leader and Tester
- Test Planning and Estimation
  - Test Planning
  - Test Planning Activities
  - Entry Criteria
  - Exit Criteria
  - Test Estimation
  - Test Strategy, Test Approach
- Test Progress Monitoring and Control
  - Test Progress Monitoring
  - Test Reporting
  - Test Control
- Configuration Management
- Risk and Testing
  - Project Risks
  - Product Risks
- Incident Management

## **Module 6: (Tools Support for Testing)**

- Types of Test Tools
  - Meaning and Purpose of Tool Support for Testing
  - Test Tool Classification
  - Tool Support for Management of Testing and Tests
  - Tool Support for Static Testing
  - Tool Support for Test Specification
  - Tool Support for Test Execution and Logging
  - Tool Support for Performance and Monitoring
  - Tool Support for Specific Testing Needs
- Effective Use of Tools: Potential Benefits and Risks
  - Potential Benefits and Risks of Tool Support for Testing (for all tools)
  - Special Considerations for Some Types of Tools
- Introducing a Tool into an Organization

## **Career Support**

### **Profile Building:**

Experienced professionals are available to offer tailored assistance in crafting your CV and online profiles, taking into account your unique educational and experiential background.

### **Interview Preparation:**

The upcoming interview preparation service will include personalized one-on-one sessions and the option for mock interviews if needed.



## **Job Referrals:**

At Education Nest, we receive a variety of job requirements from diverse sources such as organizations, our clients, HR consultants, and a vast network of Education Nest currently employed in different companies. We strive to meet these varied requirements to the best of our abilities.

## **Continuous Support:**

We offer continuous support for as much time as you need it, and a considerable number of our learners receive multiple interviews offers and promising employment opportunities as a result of the abilities they gain during the program.