

SAMBODHI

**SOFTWARE
TESTING**



Manual Testing Training Course

Project Based Immersive Learning Course

Manual Testing Training Course Overview

The Manual Testing training course provided by Education Nest is developed by leading industry experts to help participants master testing methodologies and gain the ability to develop both specification-based and experience-based test cases and scenarios. The program is designed to impart fundamental principles of software testing and how to manually test software applications. The training includes instruction in unit testing, integration testing, system testing, regression testing, and designing and executing software testing activities for a testing project. Additionally, the course involves hands-on exercises, real-life case studies, and project work. By the completion of the course, attendees will have the skills to create a comprehensive test plan, design effective test cases, execute tests, and report and track defects without any plagiarism.

Benefits of Manual Testing Training Course:

Many organizations worldwide are in search of skilled testing professionals that match their desired skill sets. Manual Testing is a practical solution that provides unparalleled technical potential for growth, and its implementation is one of the best ways to supervise teams working on various projects. Acceptance of the culture of manual testing, practices, and tools can help testers become high-performing professionals who can focus on complex features and functions, identify errors in

the code, and maintain a testable system. In general, manual testing can complement automated testing and provide additional benefits to ensure the quality of software products.

Who should learn:

- Fresher's
- QA leads
- QA engineers
- System analysts
- Software Test Managers
- Developers aspiring to be 'Mobile Test Automation engineers'

Why do you need Manual Testing Training Course?

Average Salary Growth:

The average salary growth of a Manual Testing professional varies based on several factors such as experience, location, industry, and company size. According to various sources, the average salary of a Manual Testing professional in the US ranges from \$50,000 to \$100,000 per year, with higher salaries offered for more senior positions or in specialized industries. According to Indeed.com, the average annual salary of a software test engineer in the United States is approximately \$83,000.

Industries:

According to Indeed.com, Glassdoor, and LinkedIn, the demand for Manual Testing professionals is projected to grow steadily in the coming years. The demand for Manual Testing professionals in various MNCs varies depending on the industry, location, and the specific needs of each company. Moreover, as MNCs continue to expand their operations and develop new products and services, the demand for Manual Testing professionals is expected to grow. Some of the top MNCs that have a high demand for Manual Testing

professionals include: IBM, Accenture, Cognizant, Wipro, Capgemini, TCS (Tata Consultancy Services), Infosys, HCL Technologies, Tech Mahindra and DXC Technology

Position in Market:

According to the Bureau of Labor Statistics, employment of software developers is projected to grow 11% from 2019 to 2029, much faster than the average for all occupations. As software development continues to expand across various industries, the need for Manual Testing professionals to ensure software quality and usability is also expected to grow. Research and Markets has projected that the software testing services industry will experience a Compound Annual Growth Rate (CAGR) of 15.07%, and is expected to reach \$55.76 billion by the year 2026.

Designations:

- QA Engineer
- Test Engineer
- Manual Tester

Why Manual Testing 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:

- Test Strategies
- Website Testing
- Regression Testing
- Mutation Testing
- Automate Data Operations
- Software Development Life Cycle

Manual Testing Training Course Syllabus

Module 1: (Manual Testing Introduction)

- History of Testing
- What is Testing
- Why Testing is required
- What is a Defect
- What are errors, bugs, and defect?
- Why software has bugs?
- Testing principles
- Quality Assurance and Quality control
- Scope of Testing
- When Should Testing Occur
- Testing Constraints
- Roles of the Software Tester
- Common problems in software development

Module 2: (SDLC)

- Overview on SDLC
- Feasibility study/Requirement Gathering
- Analysis
- Designing
- Coding
- Testing
- Delivery and maintenance
- Testing Stage in SDLC

Module 3: (Software development Models)

- Waterfall model
- Prototype model
- v-model

Module 4: (Kinds of Testing)

- Un-conventional Testing
- Conventional Testing

Module 5: (Methods of Testing)

- Black Box Testing
- White Box Testing
- Grey Box Testing

Module 6: (Static Testing)

- Reviews

- Inspections
- Audit
- Walkthrough

Module 7: (Dynamic Testing)

- Unit Testing
- Module testing
- Integration Testing
- System testing
- User Acceptance Testing

Module 8: (Software Environments)

- Standalone Environment
- Client/Server Environment
- Web Environment
- Distributed Environment

Module 9: (Software Testing Life Cycle and Implementation with project support)

- Overview on STLC
- Requirements Reviews
- Test Plan Preparation—Real Time Scenario
- Test Strategy Preparation
- Test Case Identification

Module 10: (Black Box Testing design Technique)

- ECP

- BVA
- Error Guessing

Module 11: (White Box testing Techniques)

- Basis path Testing
- Cyclomatic Testing
- Condition Testing
- Code Coverage

Module 12: (What is use Case?)

- UCd
- Identify Use case Based Test Cases

Module 13: (Test Case design Technique in Project Implementation)

- Introduction
- Test Case design template
- Types of Test Cases
- Test Case design Reviews
- Requirement Traceability Matrix

Module 14: (Test data Setup)

- Importance of Test data in Testing
- Approach for gathering Test data
- Benefits of Test data gathering

Module 15: (Test Execution)

- Test Execution Life Cycle Process
- Re-Testing
- Regression Testing
- Database Testing

Module 16: (Result Analysis)

- Comparing Expected and Actual Values
- Status of the Result

Module 17: (Defect Tracking)

- What is Defect?
- Categories of defects
- Preparation of dpd(defect profile document)

Module 18: (Test Closure Activity)

- Test Execution Stop Criteria
- Test Summary Report Preparation

Module 19: (User Acceptance Testing)

- Importance Of UAT
- Scope of UAT
- Alpha Testing
- Beta Testing

Module 20: (Other Testing Technique)

- Smoke testing
- Sanity testing
- Re-testing
- Regression Testing
- Static Testing
- Usability Testing
- Dynamic testing
- Compatibility Testing
- System testing
- User Interface testing
- Security Testing
- Functional Testing
- Usability Testing
- End-End Testing
- Exploration Testing
- Installation Testing/System Testing.

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.