

Diploma in Software Testing

1. Programming Fundamental

Programming in C

- Introduction to Programming
- Data Types, Operators
- C Instructions and Rules for Writing
- Control Structures
- Functions
- Pointers
- Array, Strings
- File I/O
- Structures and Union

Programming in C++

- OOP's Concepts.
- References & const.
- Function Overloading.
- Inline functions.
- Namespace.
- Constructors, Destructors.
- Const member Functions.
- Static data member.
- Static member Functions.
- Operator Overloading.
- Conversion Functions.
- Exceptions Handling.
- Manipulators.
- Inheritance.
- Polymorphism.
- Virtual Functions.
- Abstract Class.
- RTTI.
- Templates.
- STL.

2. Database

- Database Connections
- Managing Database Connections
- Performing Queries

- Closing Connection
- Create Database & Table
- Drop Database & Table
- Insert Record
- Select Record
- Deleting Record
- Modifying Record
- WHERE Clause
- Using Operators
- Sorting Records
- Eliminating Duplicates
- Grouping Records, Having Clause
- Joining Tables
- Sub queries
- Using Table And Column Aliases

3. O/s and Networking

- Introduction
- Operating-System Structures
- Process Management
- Memory Management
- Storage Management
- Protection And Security
- Distributed Systems
- Special -Purpose Systems
- Network Basics
- Classification of Networking
- Network Topology
- TCP/IP Fundamentals

4. Content of Testing

Manual Testing

- Testing Overview
- SDLC
- STLC
- Methods of testing
- Validation
- Types of testing

Diploma in Software Testing

- Verification
- V model
- Test plan
- Test Execution
- Defect Management
- Quality
- Test Estimation and Metrics

Automated Testing

- Role of tools in testing
- Using software testing tools

5. Advance Concept

- Selenium
- Overview of Automated system
- Using Selenium
- IDE
- Basic recording and Playback
- Synchronization
- Commands
- Regular Expression

Testlink

- Users, Roles and permission
- Managing project modules
- Creating test plan
- Execution of test cases

Bugzilla

- Life Cycle
- Users, Roles and permission
- Managing project modules
- Logging and resolving a bug
- Search functionality

Quick Test Professional(QTP)

- Overview of QTP

- Basic Concepts

Quick Center(QC)

- Overview of QTP
- Basic Concepts

6. Advance Tools

- Appium Testing
- Cucumber Testing

7. Project

- Project Document
- Project Design
- Technical Document
- Functional Document
- Development Phases
- Testing
- Implementation
- Maintenance

8. Certification

- Applying for certification
- Preparation for ISTQB certification
- Certificate guidance

9. Aptitude Test Preparation

- Abstract reasoning
- Verbal reasoning test
- Numerical Reasoning Test
- Spatial reasoning
- Mechanical reasoning

10. C.V. and Interview

- CV preparation
- Mock Interviews

10. Live Scenario