



MANUAL TESTING

A Professional Approach

Manual Testing Tools

➤ Testing Practice

Overview

- Testing Services Line Overview
- Software Organization Structure and Testing Goal

➤ Introduction to Software

Application Testing

- Overview of software Application Testing
- Overview of SDLS [Software Development Life Cycle]
- Overview of Project Execution Lifecycle
- Overview of Project Lifecycle
- Terms used in software testing [Defect, Error, Bug, Failure etc...]

➤ Models of software

Engineering

- Waterfall Model
- Prototype model
- Spiral model
- Incremental Model

- RAD (Rapid Application Development)
- V Model

➤ Quality Management System

- What is Quality Management System and it's need
- What is Quality Assurance
- Review process and Types of Review Process
- What is quality Improvement
- Quality Management Life cycle
- Principals of Quality and Operational Excellence
- Quality Standard
- CMM
- ISO
- 6Sigma

➤ Software Testing

Methodology

- White Box
- Black Box
- Grey Box

➤ Level of Testing

- Unit Testing
- Integration Testing



- System Testing
- UAT

➤ **Testing Types**

- Smoke Testing/Sanity Testing
- Functional Testing
- Integration Testing
- Functional/System Testing
- Re Testing
- Regression Testing
- User Acceptance Testing
- Alpha Testing
- Beta Testing
- Validation Testing
- Non Functional Testing
- Recovery Testing
- Browser Compatibility Testing
- Cross Browser Testing
- Multiple Browser Testing
- Performance Testing
- Load Testing
- Stress Testing
- Volume Testing
- Security Testing
- SOA testing
- Mobile Testing
- Adhoc and Exploratory testing
- Web Application Testing

- Accessibility Testing

Introduction of Different Estimation Technique and Reporting Templates

➤ **Test Plan, Test Reports**

- Overview of Traceability Matrix and creation
- Overview of Test Metrics and its importance
- Test case writing
- Test case exhibition
- Bug Reporting

➤ **Agile Methodology**

- Introduction to Agile Methodology
- Scrum Process
- Meeting & Artifacts (Sprint, Sprint Burn down chart, Sprint Review etc...)

➤ **Practical Implementation of Agile Introduction to Agile Tool**

- How to create User Story
- How to Add Task
- How to Track Tasks
- Acceptance criteria of Task Order.
- Kanban Board



➤ **Software Testing**

Lifecycle (STLC) Practical

Introduction to Project

(Lab Sessions)

- Creation of use cases
- Creation of Test Plan
- Creation of Test Cases
- Implementation of testing optimization Techniques (ECP, BVA, Decision Table...)

- Review Of Test Cases
- Execution Of Test case
- Agile Tracking, Scrum Meeting and Daily Stand-ups
- Defect Reporting

➤ **OVERVIEW OF DOMAINS**

- Insurance
- Health Care
- General Banking Overview
- Basic understanding of Insurance Business
- Know Terminology used in Insurance
- Type of insurance
- Non life & life & General Insurance
- Introduction of Health care Domain
- Health care Terminology

- Health care work Flow
- Role of Bank
- Types of Banks
- Banking structure in India
- Service Offered by Bank
- Type of Cards
- Mobile Banking

Database Testing with SQL for Test Professionals

➤ **Introduction**

- What is Database Application?
- Understanding data storage
- Back end & front end Testing
- General Database Basic
- Relationship Database Concepts

➤ **Basic Sql :**

- Overview of DML, DDL, TCL
- DML : Insert, update, Delete, merge
- DDL : Create, Drop, Alter, Rename, Modify, Truncate
- TCL : Commit, RoleBack, SavePoint



➤ **SQL Function:**

- Single Row Function/Multiple Row Function
- String Function, Number Function, Date and time Function, General Function

➤ **Joining Tables:**

- Obtaining data from multiple tables
- Types of joins : Inner joins, Non equi join, Cross join, Natural join, Left join, Right join, Full join

➤ **Operators : (Data Using Group Function):**

- Arithmetic Operator
- Relational/Logical
- Like Operator

➤ **Constraints & View**

- Not Null
- Unique
- Primary key
- Foreign key
- Check