

Manual Testing

Testing Practice Overview

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

Introduction to Software Application Testing

- Overview of Software Application Testing
- Overview of SDLC [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
- What is Quality Control
- Review process and Types of Review Process
- What is Quality Improvement
- Quality Management Life cycle
- Principals of Quality Management
- Policies and Processes
- Elements of Processes
- Overview of Quality and Operational Excellence
- Quality Standard
 - CMM
 - ISO
 - 6Sigma

Software Testing Methodology

- White Box
- Black Box
- Grey Box

Levels of Testing

- Unit Testing
- Integration Testing
- System testing
- UAT

Testing Types

- Smoke Testing/ Sanity Testing
- Functional Testing
 - a. Integration Testing
 - b. Functional/System Testing
 - c. ReTesting
 - d. Regression Testing
 - e. User Acceptance Testing
 - i. Alpha Testing
 - ii. Beta Testing
 - f. Validation Testing
- Non Functional Testing
 - a. Recovery Testing
 - b. Browser Compatibility Testing
 - c. Cross Browser Testing
 - d. Multiple Browser Testing
 - e. Performance Testing
 - i. Load Testing
 - ii. Stress Testing
 - iii. 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
- Review Of Test Cases
- Execution Of Test Case
- Agile Tracking, Scrum Meeting and Daily Stand-ups
- Defect Reporting

» Agile Methodology

- Introduction to Agile Methodology
- Scrum Process
- Meetings & 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...)

OVERVIEW OF DOMAINS

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- 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