

## **1. Introduction to software Testing**

## **2. Software Development life cycle**

- Waterfall model
- Spiral model
- Verification and validation model
- Prototype model

## **3. Types of Testing**

- Black box testing
- White box testing
- Grey box testing

## **4. White Box testing**

- Loop Testing
- Path Testing
- Condition testing
- Memory Testing
- Performance Testing

## **5. Different types of Testing**

5.1 Acceptance testing

5.2 Smoke testing

- Difference between smoke and sanity testing

5.3 Adhoc testing

## 5.4 Integration testing

- Incremental and Non-Incremental Testing

### 5.5 System testing

### 5.6 Performance testing

- Load testing
- Stress testing
- Volume testing
- Soak testing

### 5.7 Globalization testing

- Internationalization testing
- Localization testing

### 5.8 Exploratory testing

### 5.9 Usability testing

### 5.11 Compatibility testing

### 5.12 Reliability testing

### 5.13 Recovery testing

### 5.14 Re-testing

### 5.16 Regression testing

- Unit regression testing
- Regional regression testing
- Full regression testing

### 5.17 Testing client server application

### 5.18 Accessibility testing

### 5.19 Security testing

### 5.20 Alpha and Beta testing

## **6. Testing Techniques**

- Boundary value Analysis
- Error guessing
- Equivalence testing

## **7. Test Design**

- Test scenarios
- Test case
- Test case template
- Test case review template

## **8. Test management**

- Test plan
- Traceability matrix
- Advantages of traceability matrix

## **9. Software test life cycle**

- Defect life cycle
- Severity of a bug
- Priority of a bug
- Defect report
- Preparing bug report using defect tracking tool