**Manual Testing**

1. Software testing.
2. Manual Testing.
3. Automation Testing.
4. why and when we go for Automation testing.
5. Drawbacks of Manual testing.
6. Web Application.
7. Security Testing.
8. Types of Software Testing.
9. White Box Testing.

* Path Testing.
* Loop testing.
* unit testing.
* Conditional testing.
* Testing from Memory point of view.
* Testing from Performance point of view.

1. Black Box Testing.

* Functional Testing.
  + Over Testing
  + Under Testing
  + Optimize Testing
  + Positive Functional Testing.
* integration Testing.
  + Incremental Integration Testing
* Top Down Incremental Integration Testing.
* Bottom Up Incremental Integration Testing.
  + Non Incremental Integration Testing
* System Testing.
* Smoke Testing.
* Adhoc Testing.
* Acceptance Testing.
* Regression Testing.
* Unit Regression Testing.
* Regional Regression Testing.
* Full Regression Testing
* Exploratory Testing.
* Usability Testing.
* Compatibility Testing.

1. Grey Box Testing

* It is combination of both white box and black testing.
* A person who is having programming knowledge can perform grey testing.

1. SDLC

* Phases in SDLC
* Requirement collection.
* Feasibility Study.
* Design.
* Coding.
* Testing.
* Installation.
* Maintenance.
* Modals in SDLC
* Water fall model.
* Spiral model.
* Verification and Validation model.
* Derived model.
* Hybrid model.
* proto type model.
* Agile model.

1. Types of testing

* Recovery Testing.
* Alpha Testing.
* Beta Testing.
* Globalization Testing.
* Internationalization Testing.
* Localization Testing.

1. Performance Testing

* Load Testing.
* Stress Testing.
* Scalability Testing.
* Volume Testing.
* Soak Testing.

1. Build .
2. Patch.
3. Release.
4. Re-spin.
5. Test cycle.
6. Test Scenario.
7. Test case.
8. Test case design technique.
9. Test Strategy.
10. Procedure to write a test case.
11. Test Plan .
12. Principles or stages of test plan.

* Objective.
* Scope.
* Testing Methodologies.
* Approach .
* Assumption.
* Risk.
* Mitigation plan.
* Scheduling.
* Defect Tracking.
* Test Environment.
* Entry and Exist Criteria.
* Test Automation.
* Deliverables.
* Templates.

1. Traceability matrix.

* Forward
* Back Word

1. STLC
2. Bug life Cycle
3. Defect Tracking.
4. Defect.
5. Bug.
6. Error.
7. Failure.