**SOFTWARE TESTING LIFE CYCLE:**

* It is defined as sequence of activities conducted to perform software testing and it is not a single activity.
* Each phase will have entry and exit criteria which means input and output phase.

**Entry Criteria:**

* It give the prerequisite items that must be completed before testing can begin.

**Exit Criteria:**

* It defines the items that must be completed before testing can conclude.

All levels will have entry and exit criteria in STLC

**Phases of STLC**

* Requirement Analysis
* Test Planing
* Test Case Development
* Test Environmental Setup
* Test Execution
* Test Cycle Closure

**Requirement Analysis:**

* During this phase all the relavant information collected from the customer to develop a product as per their customer expectations.
* Business Manager and Project Manager to set up a call with customer and gather all the information about the product like what the customer want to build, who will be the end user, and what is purpose of the product etc.

**Test Planning:**

* It is the first phase of actual testing task
* Manager or Project Lead will prepare the Test Strategy or Test Plan Document
* Analysis is more focused on application related data or information
* If automation in this scope ,Automation Feasibility Report should prepared on entry criteria
* In exit criteria it must complete the test strategy, test plan document and test effort estimate document
* It major aspects of Scope Deliverable, Resource Plan , and Effort Estimation

**Test Case Development:**

* It a set of conditions or variables under which tester will determine whether a system under satisfies test cases requirement or work correctly
* It can also help to finding problems of the requirements or design of the applications

**Test Environment setup:**

* It is most crucial aspects of software testing.
* It is combinations of hardware and software environment on which tests will be executed
* It including hardware configurations, software configurations , os settings, test terminal support to perform the testing

**Test Executions:**

* Execute tests as per plan
* Retest the defects fixes
* Track the defects to closure

**Test Closure:**

* The learning document
* Prepare test metrics
* Prepare the test report closure
* Test results analysis