STLC (Software Testing Life Cycle)

Software Testing Life Cycle (STLC) is the process used to improve

the quality of the pr

1. Test Planning & Control
2. Test Analysis & Design
3. Test Implementation & Execution
4. Evaluating Exit Criteria & Reporting
5. Test Closure Activity

1. Test Planning & Control

✔ Planning is very important to achieve goals within time.

✔ A Test plan is a document created by the test manager.

✔ In this document, he will mention when to start testing, when to

stop testing, scheduling, and approaches.

✔ To make a test plan document he will refer to SRS, development

plan, and project plan.

❖ SRS- Technical document.

❖ Development plan- When to start testing.

❖ Project plan- When to stop testing.

✔ In the control phase, Sr. person will take the follow up with Jr.

If they are following the test plan document or not. if they are

not following, Sr. person can take action or give suggestions.

2. Test Analysis & Design

✔ Sr. tester will analyse SRS document.

✔ Testable requirement funded here.

✔ Test scenario document created by Sr. tester.

✔ Sr. person will set up the environment according to clients expectations.

3. Test Implementation & Execution

✔ In this phase Sr. tester will create a test case by referring scenario document & in execution Jr. person will execute the test case. Jr. tester will create an execution log in which he will mention how many test cases are passing & fail.

✔ Jr. person will create a defect report document in which he will mention all failed test cases.

4. Evaluating Exit Criteria & Reporting

✔ Exit criteria mean when to stop testing, that criteria is mentioned in the test plan document.

✔ In this phase Jr. tester will evaluate the execution log, if he achieves the desired quality of the product, he will exit testing activity & reporting he will create summary report of defects.

5. Test Closure Activity

✔ In this phase whatever documents are created in above 4 phases will submit to a concerned person & who will make a track list of a defect for future reference.