**SDLC & STLC Concepts in Manual Testing**

1. **SDLC (Software Development Life Cycle)**

< Contains various phases like

1. Requirements Phase.
2. Design Phase.
3. Coding Phase.
4. Test Phases.
5. Requirement Phase:

<we have to go through Requirements and understand the BRD & FRD documents

<We have to go through functionality of each user stories

<We will be involved in Requirements walkthrough sessions by BA & Designers.

1. Design Phase:

<Development team & Testing team will be involved in understand the HLD &LLD Documents which are prepared by BA & Designers.

<During this phase the development team will be involved in technical part & pseudo code understand from the technical documents

<And testing team will focus on test Scenarios, Test cases.

<test Scenarios walkthrough secessions to be planed for BA, Design team, development team and required stack holders.

1. Coding Phase:

<Development team will completely involved in coding and build preparation activities.

<They will do some kind of unit testing in development environment.

<They will share all the unit test results and sessions to required teams

<in parallel testing team also focus on test environmental access & checks.

<Test data preparation activities, user setup roles, Responsibilities, will be ensured prior build is received from Development team

1. Testing Phase:

< Once the build is ready the testing team is focus on Smoke testing, Sanity testing, Progression & Regression Testing all testing are performed.

<we can share daily test design, execution summary progressin daily dashboard report.

<Once SIT, FAT, System testing is completed the testing team will give the test completion certificate about overall test execution summary.

<And outstanding defects conclusion to all project team and stack holders.

< project team and stack holders will take decision for release to Go/no Go decision & Accordingly further release action plan will be taken care & all the new functionality features will be into production.

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1. **STLC (Software Development Life Cycle)**