**Software Testing Lifecycle:**

-SDLC and Software Engineering Lifecycle are same.

***Feasibility Analysis/Planning:*** how easily it can be done, the main feasibility is economic side like how much money it will cost to build the software.

***Requirement Analysis: (Specification Verification)*** It is most difficult part of software lifecycle because the owner has to think about requirement of customers, it is difficult because they don’t know its scope, it will be success or failure, its value.

Aliciate- to go deep to take things eg grabbing a thing from others hand.

***Product Architecture: (Architecture Verification)*** going deep inside the software to know how we will build it.

***Product Design:*** ***(Design Verification)*** system designers make system wide design decisions pertaining to data structure, data representation and algorithms.

***Programming: (Unit Testing)*** developing program units from unit specifications

***System Integration: (Integration/reliability Testing)*** the system is put together according to design and testing to ensure that its meet its system wide specification

***Delivery: (Acceptance Testing, Certification Testing)*** Submit the work to the customer.

***Operations and Maintenance: (Regression Testing)*** Maintenance after delivery is always about changing, updating, customizing.

Alpha- First phase to begin software testing

Beta Version – Testing before its general release /Trial Version not the final version.

Full version Is trusted version

Stakeholders – programmers, users

Oracle- A testing software