

The first phase in SDLC is the phase where the user identifies the need for a new system. In this Phase the user identifies What is the scope of project and how much to spend on the project.

Project Initiation and Planning

The second phase in SDLC is Project Initiation and Planning. In this phase problems that are identified should be investigated.

In this phase, the project leader determines the scope of the proposed system. He also decides what activities to follow and who will do what, what sequence of activities need to follow.

Analysis

The next phase in SDLC is Analysis. This phase has several sub-phases. The first sub-phase is the **Requirements Determination** in which the analyst works with the users to determine the expectations of users from the proposed system.

In this phase, feasibility study of the proposed system is also performed. If the proposed system is not feasible to develop, it is rejected at this phase itself.

System Design

After the end of the analysis phase, design of the system begins.

1. **Logical Design:** In this design phase of the SDLC the process continues to move from what questions of analysis phase to how.
2. **Physical Design:** - In this design phase, the **Logical Design** changes into the physical design. During **Physical Design** we decide what tables, etc to use in system.

In the System design stage, the programming language, hardware and software platform in which the new system will run are also decided.

The next phase in SDLC is the **Implementation Phase**. During this phase we turn system specifications into a real and working system. It includes coding, testing and installation.

We can install the system different ways such as Directly Installing the system at user's site, Install it module wise, and keeping both old and new system run together.