1.3.1 Communication

This is the first step where the user initiates the request for a desired software product. He contacts the service provider and tries to negotiate the terms. He submits his request to the service providing organization in writing.

1.3.2 Planning and Requirement Analysis

Requirement analysis is the most important and fundamental stage in SDLC. It is performed by the senior members of the team with inputs from the customer, the sales department, market surveys and domain experts in the industry.

1.3.3 Designing and Modeling

Based on the requirements specified in SRS, usually more than one design approach for the product architecture is proposed and documented in a DDS.

1.3.4 Construction

This step is also known as programming phase. An estimate says that 50% of whole software development process should be tested. Software testing is done while coding by the developers and thorough testing is conducted by testing experts at various levels of code such as module testing, program testing, product testing, in-house testing and testing the product at user's end.

1.3.4 Deployment

Once the product is tested and ready to be deployed it is released formally in the appropriate market. The product may first be released in a limited segment and tested in the real business environment (UAT).