

BASIC-SDLC

Sr. No.	Macro-stages and Comments
1.	Project Initiation I/p : current (int / ext) customers R-A: Concerned Authorities will review the proposal . Ref: 'Project Selection Form' O/p: Concerned Authorities will give formal approval.
2.	Software Project Management plan (SPMP) I/p: Approved Project. (SPMP consists of broad details like scope of work, technical goals and objectives, identification of customers and end-users, imposed standards, schedule constraints and goals, dependencies between the software project and other resource, other constraints and goals for development and / or maintenance, approach methodology and risk management.) Ref: The SPMP is prepared as per IEEE standard 1058-1998. (IEEE standard for software project management plans.) /p : Approved SPMP

3.	<p>SRS preparation and review</p> <p>Following steps form the part of SRS preparation:</p> <ul style="list-style-type: none"> • Understanding and documenting the existing System-Business Model. • Brainstorming on computerized System • Modularized Implementation Plan • Requirement Analysis • Internal / External Review • Re-engineering Decision (if any) <p>I/p: Approved SPMP by concerned authorities. R-A: The project team in consultation with customer/ domain expert. This involves breaking down of existing system, in phases and sub-areas, for computerization and coming out with Modularized implementation plan. Draft Requirement analysis document is prepared. This may involve revising the requirements O/p: Internally reviewed and approved SRS (SRS will adhere to standard IEEE 830-1998).</p>
4.	<p>Prototype Generation and internal approval</p> <p>I/P doc: Statement of work R-A: Project Team Members shall prepare the prototype and the same along with the associated assets (like documents, test-data (if any) etc. as applicable) will be reviewed and approved by concerned Authority. O/P: Internally approved prototype and associated assets.</p>
5.	<p>SDD Preparation and Modularization</p> <p>I/p: SRS, approved prototype. R-A: Project Team Members. Ref: IEEE 1016-1998. O/p: SDD</p>

6.	<p>Coding and Testing I/p: SDD and module-requirements R-A: Respective Project Team Members Software Verification and Validation IEEE Std 1012-1998 Software Test Documentation IEEE Std-829-1998. O/p: tested and reviewed modules</p>
7.	<p>Integration and Alpha Testing. I/p: Tested modules R-A: Project Team Members. Software Verification and Validation IEEE Std 1012-1998 Software Test Documentation IEEE Std-829-1998. O/p: Successfully integrated and Alfa tested software.</p>
8.	<p>Beta Testing I/p: Successfully installed pilot (accepted pilot software). R-A: Project Team Members in consultation with concerned authority Ref: Software Verification and Validation IEEE Std 1012-1998 Software Test Documentation IEEE Std-829-1998</p>
9.	<p>Customer Acceptance of Software I/p: Beta-tested and approved pilot, approved acceptance criteria. R-A: Project Team Members in consultation with customer. O/p: Document of Customer acceptance.</p>
10.	<p>User Manual. I/p: Document of Customer acceptance. R-A: Project Team Members O/p: User manual.</p>

11.	Closure Report. I/p: approval to installed system and various project related process-documents. R-A: Project team members will be responsible for preparation of the closure report. Concerned authority will review and approve the same. O/p: Project Closure report.
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- For IEEE standards referred various SDLC phases refer to Glossary of Software Engineering Terminology IEEE Std 610.12-1990.