SOFTWARE DEVELOPEMENT LIFE CYCLE

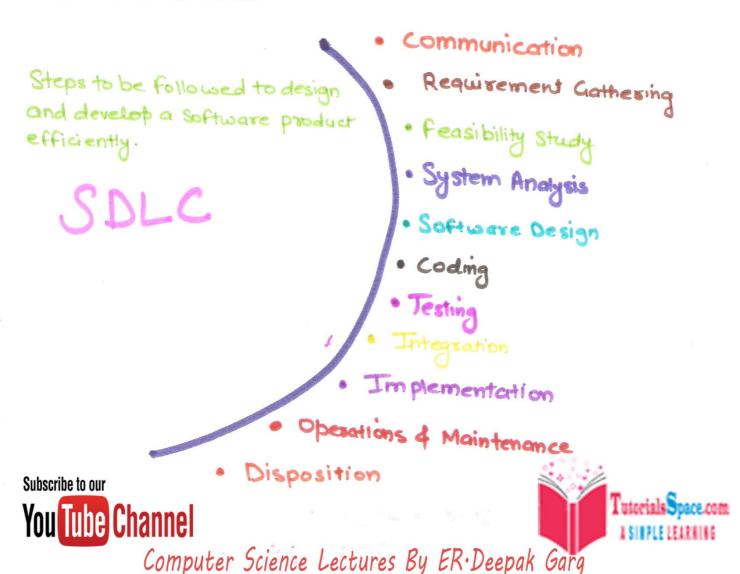
Software Development Life cycle or SDLC

It is a sequence of activities that leads to the production of a Software product.

OR

It is a well-defined, Structured Sequence of Stages in Software engineering to develop the intended software product.

SDLC FRAMEWORK



· Communication :-

Very first step where user contact the Service provider in Software organization and initiates the request for a desired software Product in writing and tries to negotiate the terms.

· Requirement Gathering :-

Here team of Software Developer holds discussions with various Stakeholders from problem Domain and brings out as much as information as possible on their requirements.

Requirements System Requirement.

Functional Requirement.

Requirement Studying existing System and software

Theorieus blus user & Developers.

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· Feasibility Study:

After Requirement gatheoing, with the help of many algorithms, team analyses if a Software can be designed to fulfill all Requirements of the user and also analyze if the project is financially, Practically and Technologically feasible for the organization to take up. Computer Science Lectures By ER. Deepak Garg

· System Analysis ! - A Planning Phase

Developers decide a Roadmap of their plan and try to bring up the best Software model Suitable for project.

System Analysis : Changes to be done in existing System

Includes Defere hand.

Identifying and addressing the impact of project on organization and personnel.

The project Team Analyzes the scape of the project and plans the Schedule and resources Accordingly.

· Software Design:

Whole knowledge of Requirements and Analysis are taken together to plan up Design the Software product

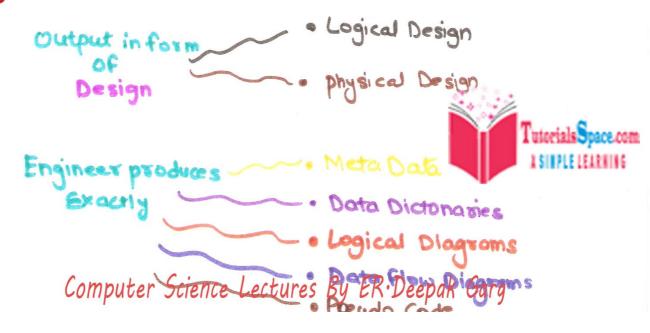
Input: From Users

Information gathered in Requirement gathering

Phase

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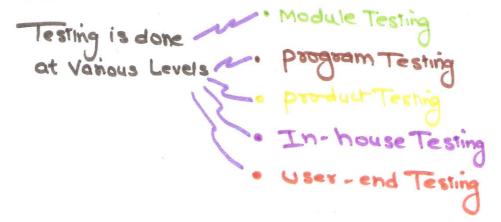


· Coding: - Programming phase

This step is also known as programming phase. The implementation of software design starts in terms of writing program code in the suitable programming language and developing error-free executable programs efficiently.

· Testing :-

Software Testing is done while cooling, by the Testessie Developing Team Members.



· Integration :-

Software is integrated with the Libraries, Databases, and other Porgoam(s)

· Implementation :-

We install software on user machine.

Software is tested for . Portability

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. Adaptability Related Issues

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Operation and Maintenance:

This phase Confirms the Software operations in terms of more efficiency and less errors. If required, the were are trained on, or aided with the documentation on how to operate the Software and how to keep the Software operational.

The Software is maintained timely by updating the code according to the charges taking place in wer and environment or technology. This phase may face challenges from hidden bugs and real-world unidentified problems.



