

Tutorial 01

01. What is meant by Feasibility study?

- A preliminary exploration of a proposed project or undertaking to determine its merits and viability.
- Simply it's an evaluation to check whether the project is possible or not.

02. What is the importance of having a feasibility study report in a project?

- To identify the logical, financial and market challenges of a proposed project.
- It helps to determine the viability of the project.

03. Briefly describe the four types of techniques used in feasibility study.

- 1) Technical Feasibility: A measure of practicality or a specific technical solution and the availability of technical resources and expertise.
- 2) Economical Feasibility: A measure of cost effectiveness of a project or solution. (cost-benefit analysis)
- 3) Operational Feasibility: A measure of how well the solution of problems on specific solution will work in the organization. Also a measure of how people feel about system / project.
- 4) Schedule Feasibility: A measure of how responsible the project time table is.

04. Explain the types of SDLC models.

Types of SDLC models

Predictive SDLC

models

ex: waterfall

spiral

v-shaped

Adaptive SDLC

models

ex: xp

kanban

scrum

Waterfall :- 4 stages of SDLC are performed in a sequential manner. Documentation takes a lot of time in this method.

Parallel method :- After the initial design, it is divided into subprojects lead by subteam. Final implementation is a mixture of the all sub implementation by the subteams.

V-model :- A variation of the waterfall model. The testing phase is different from the waterfall method.

Q5. What is the testing phase in the SDLC model?

The developed software is thoroughly tested to ensure that it meets the requirements and works correctly.