

ASSIGNMENT ON SDLC MODEL

1. Discuss the prototyping model. What is the effect of designing a prototype on the overall cost of the project?

Ans:-

prototyping model :- 1)As it enables to understand customer requirements at an early stage of development. It helps get valuable feedback from the customer and helps software designers and developers understand about what exactly is expected from the product under development.

2) Software Prototyping is most useful in development of systems having high level of user interactions such as online systems.

2. Compare iterative enhancement model and evolutionary process model.

Ans:-

Iterative Enhancement Model: This model has the similar phases as the waterfall model, but with fewer restrictions. In general the phases occur in the same order as in the waterfall model but these may be conducted in several cycles. A utilizable product is released at the end of the each cycle with each release providing additional functionality.

Evolutionary Development Model: Evolutionary development model bear a resemblance to iterative enhancement model. The similar phases as defined for the waterfall model occur here in a cyclical fashion. This model is different from iterative enhancement model in the sense that this doesn't require a useable product at the end of each cycle. In evolutionary development requirements are implemented by category rather than by priority.

3. As we move outward along with process flow path of the spiral model, what can we say about software that is being developed or maintained.

Ans:-

As work moves outward on the spiral, the product moves toward a more complete state and the level of abstraction at which work is performed is reduced (i.e., implementation specific work accelerates as we move further from the origin).

4. Explain the Scrum Agile methodology.

Ans:- Agile scrum methodology is used by companies of all sizes for its ability to provide high-end collaboration and efficiency for project-based work. Agile and scrum are two different methods and can be used separately; however, their combined benefits make the agile scrum methodology the most popular use of agile.

5. Explain the utility of Kanban CFD reports.

Ans:- A cumulative flow diagram (CFD) is an advanced analytic tool in the [Kanban method](#). It provides teams with a visualization of workflow efforts and overall project progress. The cumulative flow diagram allows teams to monitor how stable their workflow is, anticipate bottlenecks so they can adjust their workflow accordingly, and help make processes more predictable.

By graphing how tasks accumulate over time and their overall distribution across the process stages, cumulative flow diagrams visualize massive amounts of data from which you can gather quantitative and qualitative insights into past and present problems with your workflow stability—and where you should focus on making your processes more efficient.