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

→ Prototyping may have some initial cost of developing but it reduce the overall budget by helping your product to be free of the error or glitches that could have occur if the idea was made from scratch without any error prior user testing. furthermore, prototyping also helps to understand the instrinsic flaws, shortcomings & drawbacks that can be improved during product development process. if the prototyping process is ignored completely it might result in the restructuring & redesigning of the entire product after spending all your resources on it development. So, the effect of designing a prototype on the overall cost of a software project is to actually reduce the additional cost of restructuring & reframing it after its full - fledged development. which might cost a fortune.

2) Compare iterative enhancement model & evolutionary process model.

→ Evolutionary model :-

1) Enable a higher output for user.
2) Cost effective
3) Increase system development speed.
4) Assist to identify any problem with the efficancy of earlier design requirement analysis & coding activities.

Enhancement model :-

1) The major requirement are defined, while some functionalities & requested enhancement evolve with the process of the development process.

2) A new technology is being used & is being learnt by the development team, while they are working on the project.

3) If there are some high risk feature & goals, which might change in the future.

4) When the resources with needed skill sets are not available & are planned to be used on contract basis for specific iteration.

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

→ The product advances to a more complete state as work spirals outward & the level of abstraction at which work is conducted decreases.

The model for software Development Life Cycle that support risk handling is that spiral model. In spiral model there are several loop. the spiral precise number of loop is unclear & varies from project to project. A phase of software development process is referred to as each spiral loop. the sp waterfall model methodical managed element are combined with the idea of iterative development in the spiral model.

4) Explain the Scrum Agile methodology

→ 1) Agile scrum methodology is sprint-base project management system with the goal of delievering the highest value to stakeholder.

2) Agile is more complex & promotes leadership teams, while scrum is more rigid & promotes cross functional team

3) Agile let team developed small increment called sprint. & allow for more effective collaboration among teams working on complex project.

5) Explain the utility of Kanban CFD reports.

→ CFD chart are a powerful took that kanban teams can use to measure flow & analyze trend about a team's performance. Think of a CFD chart as a storyteller. It paints a pite picture of how workflows through your kanban system withing a period.