1/1/2025

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SEPM ...

Waterfall Model:-

There are times when the requirements of a problem are well understood - when cook flows from communication through deployment in a reasonably linear fastion. This distraction is sometimes encountered when well defined adaptations or enhancements to an enisting system must be made.

The waterfall model sometimes called the classic life-cycle, suggests a systema-tic sequential approach to software developerations that begins with customer

specifications of requirements and progression Hurbigh planning, modeling, construct and deployment. Advantages:

- · Easy to work with

Wisadvantages :-· Not suitable for Cargor projects.
· Involves high rusk factor.

Page No. The waterfall model: > Communication Planning L. Modeling -> Construction -> Deploy # V- modul:-A variation in the supresentation of the waterfall model is called the V-model. It depicts the quality assurance actions associated with communication, modeling and early construction activities. As a softwo - se team I moves down the Cyt side of V, basic problem sequoiements are define into progressively more detailed and Echnical organizations of the problem and its solution. Once we more up the right 81de of V, we essentially perform a series of test which validate each of the model created by the team moved down on left I side. The difference with waterfall model is that "V-model provides a way to proces are applied to earlier engineering work,

Requirement Hodeling Acceptani Testing Aschitectural model Integration Deoign Testing Cade Generation # Incremental Process Model: The incremental model combines the elements of linear and parallel process flows. The incremental model applies Clinear sequence in a staggereed fushion as calendar time progresses. Each ariean sequence produces deliverable "increments" is dimilar to the incrementals provided by an evolutionary process flow. When an incremental model is used, the first increment is often a

con product. That is, basic sugurement are addressed but many supplementary features nomain undelivered . The core. product is used by customer as a result an evolution plan is developed. for the next increment D. Advantage 1= · Can be implemented with fewer people.
· Incuments can be planned to manage technical sisks. Wis advantage 1-· A good tearn is ocquired · As we increment the cost increases Increment # n Incoment #1 Project Calendar Time.

Spiral Model: The spiral development model is a sick - driven process model generator that is used to guide mutti-stake - holder concurrent origineering of software intensive systems. It has two main distinguishing features. One is eyclic approach for in exementally growing a system's degree of definition and implementation while decreasing the agree of risk. The other is set of anchor Points milestones for ensuring 1 stake -holder commitment to feasible and mutually satisfactory system solutions
Using the spiral model, software
is developed in a series of evolutionary
ordeases. During early iterations, the release might be model ag prototype During later Herations increasingly more complete versions of the engineered system planing produced. Communication Modeling Deploy Construction

Advantages:

· The models nature allows for continuous assement & management of sisk continuous assement & management is Po Bsible

h) is advantage! · The spiral model is more complen than other models

The entire often difficult to know how many phases the project will require.