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SEPM.

1. Waterfall Model: The waterfall model, sometimes called the clastice life cycle, suggests a systematic, sequential approach to software development that begins with rustomer specification of requirements progresses through planning modeling, companie, a deployment, rulminating in organing support of the completed software A variation in representation of the evalental model is talled the V-model. Communication Planning Modeling Construction · Advantages: - Seingle & easy to uneleonal.

- Easy to manage.

- Best far smaller prioressing

- Individual prioressing Disachantages: Tale lesting.

Not suitable for evolving projects

Tengthy development regule.



Jor og hlvrory management system, planes endude requirement analysis, system derign, implementation lesting, derloyment & maintenance. Ohice a plast is finished it doesn't return to previous stages

When to use waterful model?

- Well employed requirements.

- Very little changes expected.

- Small to medium singe projects.

- Chient prefers a linear a signential cyprocure.

- Limited resources.

A variation in the representation of the waterfer model is called the V-model. It is also referred to a the verification be validation me It depicts the relationship of quality asknews actions to the actions associated with communic modeling & early construction activities. In Il v-model as the team moves down the left. requirements are refused into ditailed solution and proving is done, they move up the original prave, performing teets to validate keep develop phase, ensuring quality at every step.

NGINEERING COLLEGE Reguirement Madeling When to use?

Clear & stable regionements.

Defined testing charges

Low risk of charges

Strict quality assuarance needs. Easy to undersland Saves a lut of time. Avoids downwood flaw of defeats. Rigid & least flexible.
Not good far complex
No early prototypes of of the saftware are pr

Inviencental process model: - It combines elements af linear & parallel process flows. It ayles Timear sequences in a staggard feethion as calender time progress. When an invenental model is used, the forest envenent are after a care product ise busic requirements are addressed but many supplementary features remain undeligered. The sease product as und by the customer (are undergoes delailes evaluation). As a rought, evaluation). As a result, a plan is developed for the vert invienment. The plan adelresses the modification of the care product to teles meet the needs of the wistomer & the delivory ad adelitional features & functionality. This of process is rejected following the deliberry of early invienment, unstil the complete product is produced Build I Design & I testing implementation of development Build Design L Iterting to Implementation Build W development letting l'emplementation Invenental model.



- Evroy are eary to be recognized.

- More fleable.

- Easier to test & Lebry. Disachantages: Disachantages:
Coast is high.
Need for good planning.
Well defined module interfaces are needed. Spiral Model:

- Triginally arganed by Baony Bachon, the quiral
model is far evalutionary haltware prioress
model that country the iterative rature af
prototyping with controlled & systematic aspects of
the waterful model.

- The spiral development model is a rich closing model
generator that is used to guide mutti stakeholders
concerned eigeneoring of software interior systems.

It has 2 may distinguishing features. One is a
cycler approach for incrementally growing at
system's degree of definition & einglementation
while developing its degree of airl. The other is
a set of anishor point milestones for ensuring
stakeholder commitment to fearible & mulually
satisfactory system gelations.

A spiral model is divided ento a set of framework
attributes defined by the staftwary engineering
team: Spiral Model:



1. Olije 4. Review red Mode de gineerin