## TE COMPS B Name-Savika Rozario

As the technology changes, the user suguirements & environment an which software is working also Changes so every organization is ranked based on the Safeware engineering principles used by that organization Without any standard methodology for implementing Complex saftware systems with high quality. iii) Extending the previous software to add new functionality requies more cost in terms of time to develop & el'ars taken by people , as compare to the process of developing new software to provide that functionality.

2) Waterfall model - Sequential & linear approach Each phase must be completed before moving to the next One.

V-model - Parallel development & tasting approach. Each development phase is followed Uby testing phase.

Inciemental model - smilar to iterative models but the saftware is built in inclements; each specific functionality

Teterative model - Similar to agile, but with more structioned & defined phases. Each interaction may include a subset of the software fundinality

3) > The CMM model application in subtwork development has sometimes been problematic. Applying accioss an arganization could be costly in thaining approusals, & improvement activity - CHMI framework consists of a collection of computer programs based on knowledge, engineering, saft-wave engineering integrated product of process development of provider sourcing - CMMI frame work has three groups as: 1. CMMI for development CCHMI-DEV) 2. CMMI for service (CMMI-SUC) 3. CMMI for aquisation (CMMI-ACU) 4. Prespective process

model

It is more popular It is linear

The complexity of error increases because of the nature of the model

1 Eq. waterfall males, Incrementals models.

requirement changing increments of an operational saftware produ

Evolutionary process mode

ii) It is less popular iii) It is Non-lineau

in The complexity of errors to detect error earlier in the process

Saum, Spual, RAD model.

5	a) Incremental model.
,	When a project can be divided into smaller functional
	increments, allowing certain modules to be developed
	& delievered independently, while ensuring integration &
	testing dlong the way
2	Waterfall model
	When steguire mercy are stable & Changes are minimal,
	making it possible to plan & execute the project in
	a linear sequence of phases.
	Agile model
	when texibility & adaptalility are crubal & the project can be
	when texibility & adaptalility are crubal & the project can be divided into smaller increments with frequent differences, allows
	for continous & changes
	10. 00.000
A	Waterfall model v/s Agile model
1	Progress measures progress based on complete phases
9)	
2	Flexibility
	Wabyfall is less adaptable to change afte starting
	Planning
A	Waltifat tocuses on compenensive uptrout planing
$\forall$	
	Feedback waterfal has limited feedback until the end.
11	

7) i) waterfall - slower development due to sequentical ii) Agile CS occum) -> Forster development deveto itervalive sprints D) Customer satisfaction

i) Waterfall-> Assed mostly at project in Completion

metrics: User acceptance Testering, state
hoder feedback

ii) Agile (Scram) -> Enchanged customer satisfaction due to regular iterations

D Customer satisfaction

i) Waterfall-s Assed mostly at project in completion

metrics: User acceptance Testering, stake

ii) Agile (Scram) > Enchanged customer satisfaction

due to regular iterations

8) Features water madell Ingeneral prototyping spring model

many well unclusted not well undusted undusted

well undustood well under tool undystood Requirement Specifical Not Not well well under to well understood well under stool unders foot understanding requirements yess Yes Yes NO Avaliability ay resuable Components No ruk No rub only at the hegining 468 analysis anolysis Risk tigh High Inter medicu analyss Only at the begining Usey High Flex'ide less R igid Periblity ues No MO yes cost control