	Soham N9th Mare					
9622						
TE-comps B SE Assignment.						
	requirements in the software engineering					
	process ?					
_	> As the technology charges, the user requirements					
	and envident for Johich software is					
	usorking also changes lo every organisation					
	is granted based on the softward					
	engineering principle used by the organisation					
-	> Implementing and managing large size of					
	software programmer requires of					
	specific method and matubrize the					
	tasks so that size of software don't					
	harm the software guality.					
	· · · · · · · · · · · · · · · · · · ·					
	software engineering provides methodology					
	for implementing for implementing so					
	Vcompien integration complex doftware					
	system with high quality.					
-	- Extending the previous software to add					
	new junctionality requires short cost in					
	taken by the people.					
	software engineering provides a may in					
	Jan					
	V					

which software system can be able to scale as needed to future:

(22) Software processes are the activities for designing implementing and testing for a software system.

3) & software process model is an abstract sepresentation of the development process.

@ Perspective Process models.

The name 'perspective' is given since the modal perscebile set of activities, action, task and charge control mechanism for every project. Overatever process model is chosen by the organisation but it should encompass the

following framework.

- a communication
- D Planning
- 3 modeling
- @ construction
- 1 Deployment.

(iii) Ex: waterfall model, In cromental process model, Evolutionary process model.

B) Agile Process Models
O at included the concept of development
along with a set of quideliness necessary for the development process.
for the development process.
1 The development quidelines emphasies
on analysis and I design activities and
continuous communications between developer
and customers.
3 An agile team quickly responds to charge
as a sesuit agrice de velopment process
must be adaptable.
Ttolative model: - Similar to sail but with
more structured and defined process.
Each iteration, may include a subset of
the software functionality.
Allows for literations, redefined
leature and easily readback suitable
De projecte with evolving
Lequisements.

CMM model. - developed by software Engineering Institute - It defines a process or methodology. used to establish develop and refine an organization's software development process, prosents 2 types of meta madely - As 1' confinuous model - As a staged model. CMM provides the different levels lucised on the standards a corribany aquies. new company-Level 1 CMH provides total 5 levels 1) Initial 2) Represtable 3) Polinad 4) mahagned 5) optimiting Level: - characterized as a ad hoc few process are define, success an individual Level 2: - Basic projects managment process are established to traff cost, schedule fun ctionality.

Course &t this level	processes for both development activities and document.
maragnent and	development activities
ase defined	and document.
V	
Level 4:- St this low	al, focus is on olw
at this sta	ge processes and product
metric ar	ge processes and product
10ull 7:- Continuous p	roces improvement is
enable	
Perspective process	Evolutionary process
to binary ades and	Odo not establish the
2try cture	manimizes speed of the evolution.
	evolution.
Police a distort out of	Sudlutionary process
Poline a distinct set of actions, talks,	models land Meribility
milestones.	notonaihilitiond
11 WW TOT WO.	models lacks floribility and high quality.
	4090 909019
	· · · · · · · · · · · · · · · · · · ·

3 more popular less popular. Time does not allow a full and complete system to be developed. @ provides complete and full developed system Eg:- Prototyping, sprad. & For eq. materfall model, Incremental model Waterfall model - Orignizements are well defined @ projects with a clear and stable scope. 3 Doublopying a microwave our with fixed set of peatures and require ments. 3 Agill model: O requirements likely to evolve and charge during process.

Trequire floribility and rapid iterations

mobile, app based on feedback-3 Spiral model:-Ohigh lovel of eich assesment End managment 2 continuous refinement, early prototypes 3 En complex medical device, contonsive terting and varidate. @ In demental model: Odivided into smaller, manageable parts @ delinered separately

3 Ex €- commerce metsite.

@ cmm- O improving and optimizing the
development and management process
with an integration.
Ex:-large financial institution that hardles
densative occustomes data, high level
of security.
,
© PAD-videogame prototype to demonstrate gamps- lay mechanism.
- lay of mechanismo.
07) 1. materfell
Deudlopment speed.
waterfall is lineal and sequential mothodology
where each phrase must be completed "
before moving on the nort. This can lead
to longer development cycles motices
Sdaptibility to charge:
material is just adaptable to charge
in require thent due to it sigid structure.
pa motrices. Customer feedback at 1 the end
of this project
2. Danie : Donne poment special:
Idejile nottodologie emphasize
incremental sensible transformers lattermoreni
delivery of marking features metrices.

08) Features	cuatoral model	Incremental model	Prototyping mode	speed modd.
Requiement Specification	well understood.	Not well understood	Not well understood	well undestood
Wholestanding our equirements	well understood	Not well undestood	Not well understood	mall undestood.
Anailability of rousable components	No	yes.	yes	yes
Pist analysis	Only at the beginning	No risk analysis	NO risk analysis	yes
User involument	long	typy less	Les	on project
Floribility	. Rigid	les	High	Planible
Empertise reguired	high	high	medium	tigh
COST Control	yes.	No	No	Yes
les our co control	403	Yes	Nο	yes.