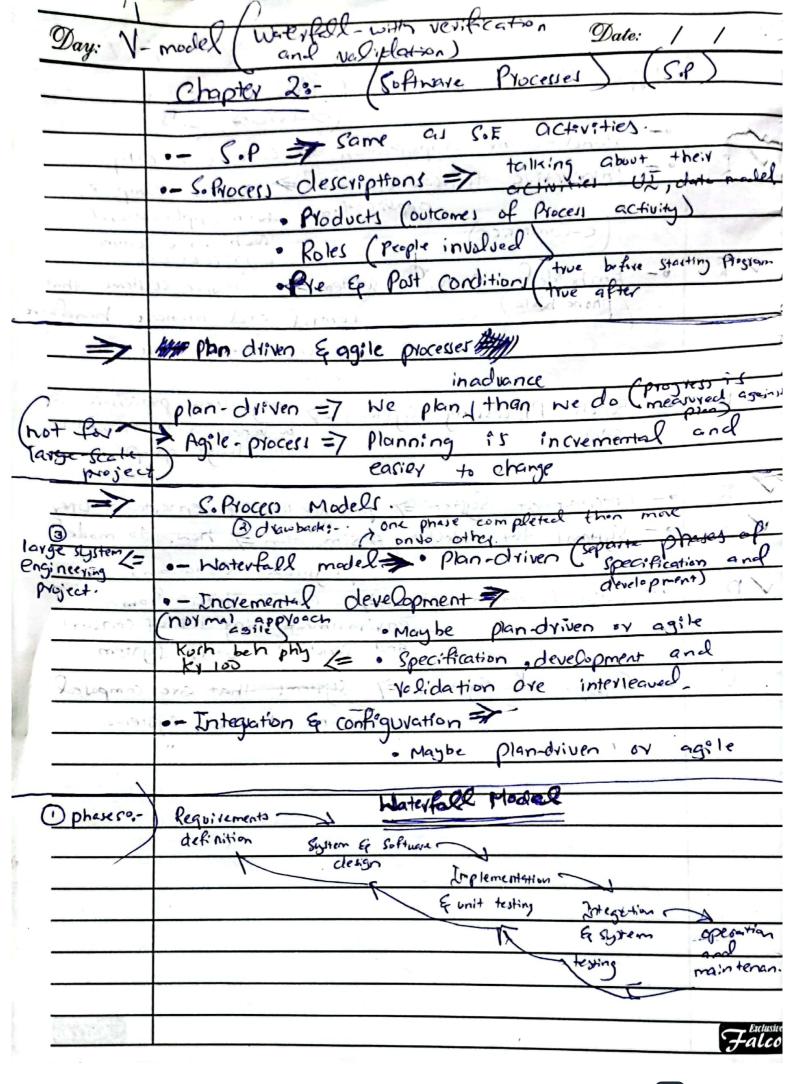
Fundamentals of	SE· Date: / /		
60, 5	> Branch of computer		
- Soft have Engineering	science which deals with		
1	esign, devie lopment, testing		
and maintenance of - software			
appoications.			
road think - o	1-15-10-101-11-11-1-11-11-11-11-11-11-11-11-		
- softmare cost - mo	ere then hardware		
Part on the second property of			
- Increasing System (omplexity > Advancement in		
S. octavett	on of lavgey, move complex		
Constitution	and demand Changes.		
System and Clerrain City			
\$ 1500 A	Many Companies		
= Failure to use software of methods => Many Companies			
skip softwaye . to practices, leading			
to expensive and unveliable			
o-Software → Software that makes computer and			
			THE CONTRACTOR OF THE CONTRACT
			is maintainable dependabl
purposes efficient, acceptant			
· Coftware Coechication a software			
o sof	thave RVolvation.		
	S.E		
C.S	S.E		
· understand how computers	S.E. Plan and manage software		
o understand how computers work / for solving problems	S.E. plan and manage software projects S.E. makes practical		
· understand how computers	Plan and manage software Projects		
	an		

		Date: / /
Day:		
0	System . E	S.E. Overces
-	· all aspects of computer-	To is general process
	· all aspects development	coding /development.
	based systems development	
150	including software, hardware	}
100	and processing.	* established "
ac.	The second second	But word &
	and the same of the same	
	more than a state of the	1 days Do a ment Cost
196	· S.E COSHS & GOY	software & Seve Dopment Cost
	40%	teding cost
	Ext out a evolution	n Cost often exceed development
	Cost.	
		LOVE DOTATION - hert
	in the second	
	mother patriam	method eig., games are
		developed by prototypes.
	Jassyah alidam in Matugman	We can't say, one mello
	to Only	is believ than oltry.
od no d	Differences made to Sok	The has revolutionized SIE
1000	Web-based Systems	appli cations. Wob. I had Ded
- /		dvances in software kuse user-
		befel
	Werns ment mon	tariff of the same
	Generic Producti =7	general -system, cold to
Softmare	any customers CAD Sattware	
Prodoct Madeling 2 x 1		streng to Culti
	Customized Products =>	Specific-system, sold to
	14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	specific evitomer, traffic
	monitoring systems	
	I am a time office; Lean	ipiv permone i manistrali - a.
*	to a to all	From Brolings -
1		Falcon

Day:	Date:
	Essential attyphotes of good Mis Suftmare
	· Acceptability > user - accept
	· Efficiency = memory - utilization
	plocessing time
	• Dependability -coux physical and economic damage
	& Security • no external user should access or damage the System.
	300
	· Maintainability > · So, it could evolve to
	meet changing needs of
1 0	Quitomers.
Y	The state of the s
	General Issues that affect Software
=/	the site of the method Production dec 100 .
Mr. 12	- Heterogeneity => maning system that works
gut stuy	on computers & mobile devices.
any an	- Enc Man 34
ALL S	o-Business and social change=> Software that can be Changed with economy
7.08	Changed with economy
toner l	and social changes.
DEU/16	9- Security and trust =)
ed !	o- Scale => that work from small
64 1	gadgets to hoge global systems.
1.9.3	One of the state o
- Coll Prod	Tssues of professional responsiability.
la	155065 51
Magarian Par	P. L. C. L.
AND AL	- Confidentally => encapsulation
	- Competence => accept the work that you can do
	Intellectual property vight => copyvight and follow laws ?
	- Computer misuse of donot militar
Aug 1937	4-a

Day:	Date: / /
	Applications types 3- (Proceedings)
16.5	(bed side)
VC	- stand-alone application - CTA vice city
VI	Vemote Complex
	approximately and an amount
	e-committee) applications.
VE	- Embedded control system > structe systems that
	(phone Wala) Control and manage naver
	of deveces loging these are
1 1 1 1 1 1	more more duta macessors for
N B	- Batch Processing Systems & Big data processors for business and results
F 1.5	Semp Pro large group
1 =	Sport is the second in the sec
<u> </u>	- Entertainment System => personal use & entertain-user
V 5	o- Systems for modelling a simulation => how to model physical situations
Jane or	physicax Cirtuations with
✓ b	envivonment using set of sensors
	and cond to other center
C	- Systems of syptems =7 systems that are composed
	of number of other pystems.
210	
	2950M SQUANTAL
	- Committee of marting and a second
	The state of the s
	a substantial court and
	research 77
number .	The state of the s
11/15	Talcon
	J. Account



Day: CC	Date:
	Incremental development
	Specification I Initial version
	1. 1.
	description -> Development => Intermediate version
	1 1
L. D.	Validation -> Final Version
	respect to the mail of law of the law of the
• •	Waterfall cost high Incremental cost less
	Customer feedback
	Fast delivery
	Process not visible
-	Reuse (CoTS)
400	Tro Maria
	Paris - Areada O Colores Esperados
1 con an	
	0
	> dissovern.
	Requirements Secret
198	Calturary (Consense to
	Projection Integral
,	Develop new To system
	Components
	Process activities.
•	- Software Specification -> which services are required.
0-	. Software design be implementation >
	Conservation Contraction
	e to the second of the second
\	Van
	Falcon

Date: / /
general model of design process
Design inputs
platform Requirements Data
enformation specifications description
Design activities
AVenitectural -> Interface -> Component
design design design
of system) Date last
design (system data bytructure).
Derign outputs
Architecture specification specification specification
1. 3.2.3 no. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Commenced to the second
stages of testing
Component -> System -> Acceptance testing testing
1
Landa State Control of the Control o
is and considered and the second of the seco
Software evolution > sofole & Betty- Andcolsying
Buisness and social sostems
Chage.

ug.	
2	=> Copyeng with Change
	· change must
	Chaning new cost and old wali ki beh
	Cost
	2 A C 11 P
=7	Reducing Colts of network
	phy har work ky loo, band ma
	change kingy kar zarport her has.
	o- Design the process in such a way that
	you can tolevate ft.
	apr of 1 down in
\Rightarrow	Copying with changing requirements.
,	System (prototyping, make a rough dreft
	and then change.
	Incremental delivery, give vier to comment
	and experiment -
2	on the second was a second of the second of
=>	Software Prototyping
	1 Land to the one of the things of the
	Define Douglop Evaluate
	MATE TOPE
	objective Tonemonary
	Light vomether
	The Aliv vivol a
	1 Lating and Jole Transported 1
	Desprisone ska wasmanage
	The second of th
	Den ar har mart w
	Control of the state of the sta

Day:	Vepeatry Date: / /
	Iterative and Incremental Developmen
High rill	Incremental development (team not trained)
· Predoct is	veguivements given.
requied les	ly design complete product first
	only leave out which can be
· <u>easier</u>	decided Optor.
or debug	· than glid it up and Chontes
	8 can not go back to previous.
	Iterative development Cobjectives Clear).
team	· discovering what and how we need
trained	1 go
	· overall solution than yetime some of greas
+4-46	o if eyested well, keep 3+. else
	disgard it. start have
t-imms?	of your over the desired I were view to
	Incremental Delivery
	not in single delivery, broken down into
	increments in prograture of
	& user requirements are pri oritised
May S	de la company de
State Control	Incremental Delivery Advantages
	· Cutomer value T
	· lower visk of project failure
0-	When to use Encremental ?
	Consider the overview of
	o Requirements are understord.
	· team not trainal.
	· high risie features.
	· meb application and product based Falcon
	companies.

vy:		Date:
0	Iterative Mudel	
		ye, and the second
	Design ->	est -> implementation
	- Area	11 17 17 18
	well design resu	Qt.
	Dhigh level derig	no = /// utal
	. than make proje	
iterate. - step by (tep improvement.)		0
		provenent.
	o- more time on designing	
	can get user fee	aback of attent
> When I use iterative model?		vetice model?
	/ market ma Light	do phajny hos
	Guerracy Carrier 1	
7	Difference	2) 20
	Incremental	/ Iterative
	First specify, than	we can discover -
7	st can not be	them as build your
	Charged	project
	CE FAST THE GOLDE VILLE	no facionos o
. 1	building dalkilling	polish entire cay
	MARIA Separate	without breaking it
	parts Dontrom St.	
	P	o post Aep by step
- 1	ex defi la mas	
	phy chanse no:	
	pro Cress - ne;	
27		•
1		

Date: / / Day: early , we voe prototyping Benefits => maintain ". focus on areas which development are not well- understood => Colmetic Controlling 100al (60%) Changes Cliradiantages = 70 Customer Sometimes demand actual product Model AM (does not work well for smaller on visk identification Application Development (R