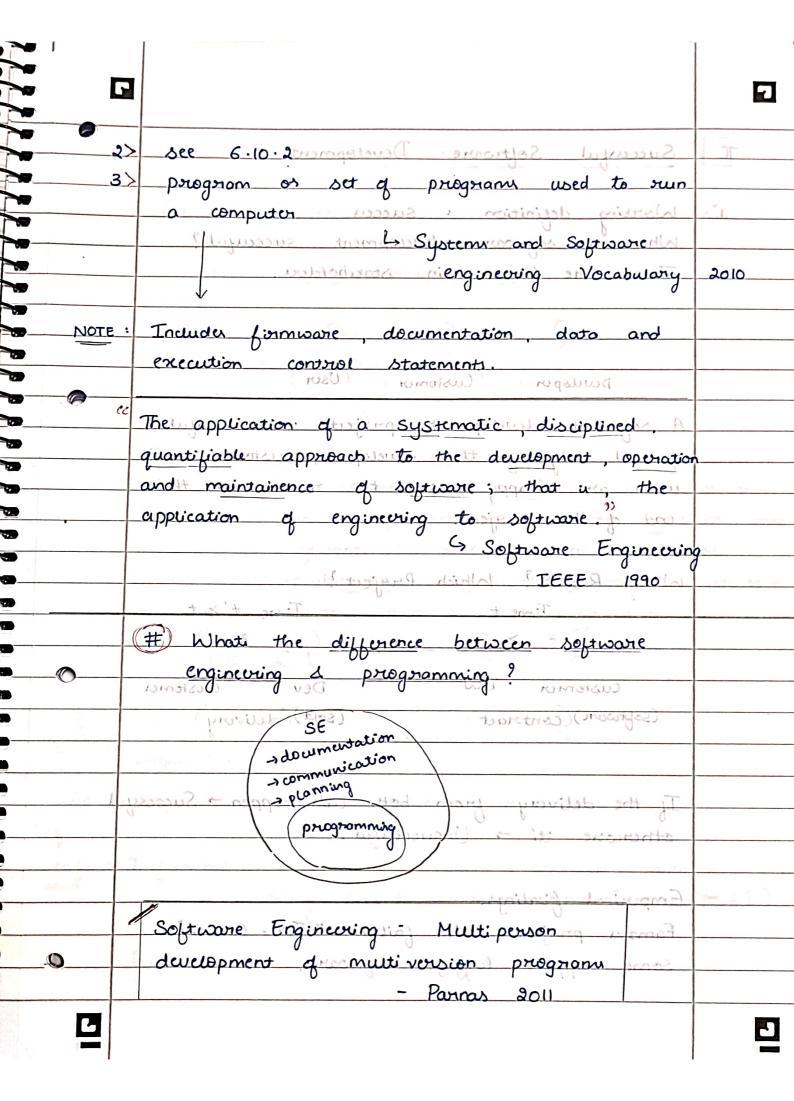
ī					_
9	760 00	bothering	trusom	determined by	Freise
2	1	TWARE		200 ton outor	
		ENGINEERING			
	tive, quantified	L Object		with jour	minulay?
		restires	The second secon		(companis)
	4		1,7	· ·	
s	Lecture 1	in the	v ₁ , , , , , , , , , , , , , , , , , , ,	Rone	A contral
- E		Termin	rology		Menboote
3	Engineouing:		00		
8			ntion d	a systematic,	pentiteda
	disciplined	allantiliable	approse	haldo estructura	b
	machine, pr	- odusti Su	ictem or	procue.	
	rando can A	Landrand	nei	ONRIGATE TEEE (19	ap) Lotrist
	Coope Carrey.	NO DITEME		Model 11 (2 to promote the control of the control o	Jac Rey
	TT and in him	-1 k.40.31e	1.0 110	Les Donn d	
	The application	U			noutef
	V			vical evidence,	
				struction, operation	
-0				, machine, motorio	1
	1 0	euzu, syst		rocera and	
	onganization.	Mark and the state of the state	1	grant oc	
	1			→ Wikipedia	
	boto prosibili a susum 2				
	(System)	System > twink about what a system?			
	OPPI	TEEE	. 19	(amputur syste	
		Non - Engin	eving	Engineeving	
	edine soubs			- grating to the	1 - 1
0 -			4.9	can be planned	with_
		U		sulficient prieces	I
_					

C				
Pouce	determined by market	oriented on cost.)	
10000	value, not cost	calculable 702		
	FNGINEERING			
Evaluation	Subjective	Objective, quantified		
8 Comparisi		vitoria		
Norms &	Rane	Exist mutos		
Standardi	- upala	Tennin		
	100	Engineering:		
Wavranty	not defined,	U	,	
<u>d</u>	hand to enfonce			
		2 muhang minum		
Mental (n.	Art inspiration	[·		
Author	consider artisontes a	The application of the ste		
,	ripart q himself	to the innovation deri		
-	fullitioner markings metering	U	-	
	software, devices, systems, processes and			
	Software			
		riogrami, priocedurei,		
i)	and possibly associated	Real Control of the C		
	data pertaining to the			
-	computur system.			
	ening Edineral			
1>	all on part of the priog:			
	C	vation of an information		
	processing system.			
			9	



Succentul Software Development egran so set of pregnant used to mus Working definition: Success religions When software development succeusul? There are three main stateholder Todada firming down Station & to and (Developer) (Customer) (User) A software development project inssucceufulat if and only the developering customer and user are thappy with the result at the end of the project. givenine to rostockage Software Engineerin Which Risult? Which Project? Time t Time t'>t Customer Dev Customer (software) (contract) (soft) (delivery) If the delivery from both ends happen - Successful otherwise iti -> Unsuccential. → Emperical findings. Famou project which failed ... "Toll- Collect" Some aipport luggage software tongalous

-	
- S	-
- P	Fix Observables: croshdetected: Time > 10,11
-	Cause form Unsuccentul Projecti
20	First Approximation : managing assistance ?
20	(1) Capturing Requirements More mont 3
-	2: Design 2: Transparent tint 3 - 005 + + 1 = +
30	3> Implementation 3 - 008 + + 1 = +
730	47 Quality Assurance
	5.> Poroject Management
	all consists and a land of the constant of the
	Causet maitamos acResulturalmentin arion all
78	Then Software work do what it supposed to do
78	2 Wrote being built is not the soln / just wont work
-5	3 Software will have bugs and have vrasher
	4 Requirements / Implementation testing will not be do
	5 project will be delayed, undergo other issue.
-6	to make the property of the pr
	- numbered for a railly terminale
4	Seltusone Methics of older
	EXCURSION: Informal vis Formal
•	A grantitative or meanine of the degree to which
Eg:	Requirementania Airibag Controller metalis
Rea	a given cattribute and a soutefet ingo
Specific:	Informal: Whenever a crash is detected, the
ation	ainbag has to be fixed within (±300ms) (± E)
	37.1359
- P ₁₀	C 1
	Formal singer set all secures autoritaring A
-	an item possesses given quality entribuse

C	Fix Observables: crashdetected: Time -> {0, 19	7
	Formalize Requirement: neiterninerage tarif	
∀ t,•	t' E Time · crosh detected (t) ^ fineainbag (t!) =>	
	t' ∈ [t + 300 - E, to+3000+q8-]	
	Benefit tomograph trajers	
→	No more misurderstandings, sometime took	
eb at	con objectively deciede : requirement satisfied	
	tyes/none att ton in their gried itrailed	
3	Requirement / Implementation destination	