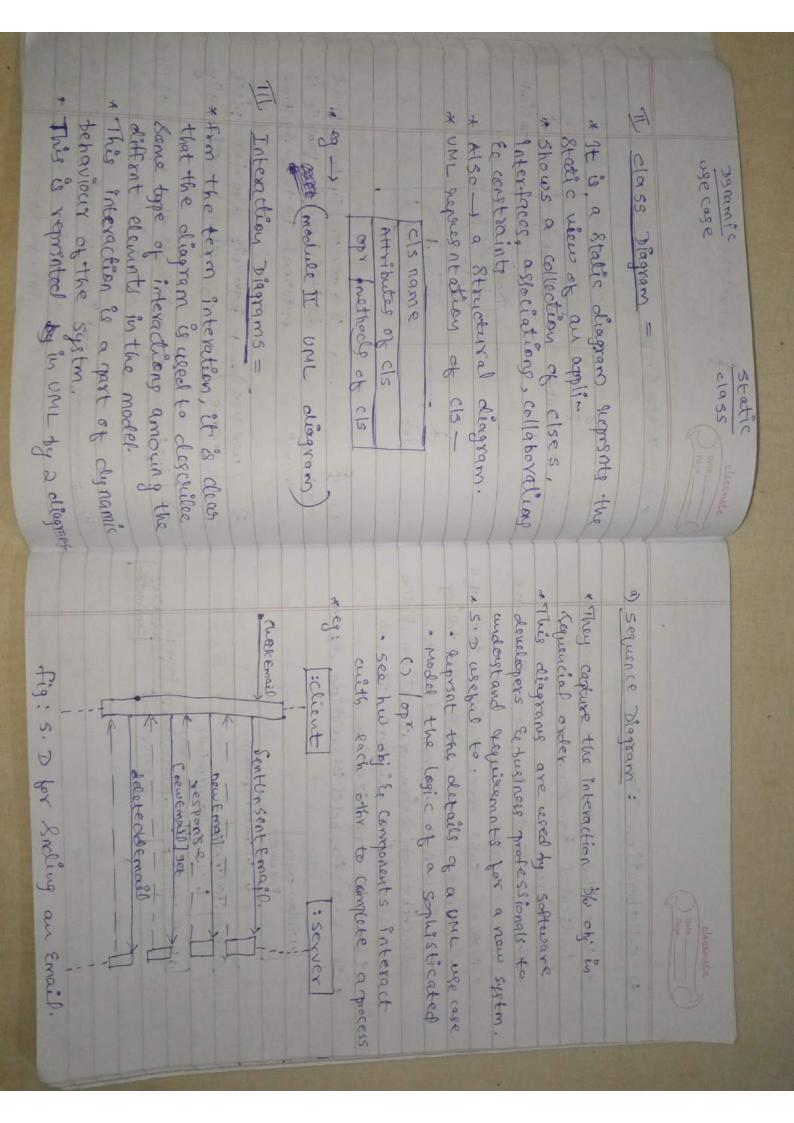
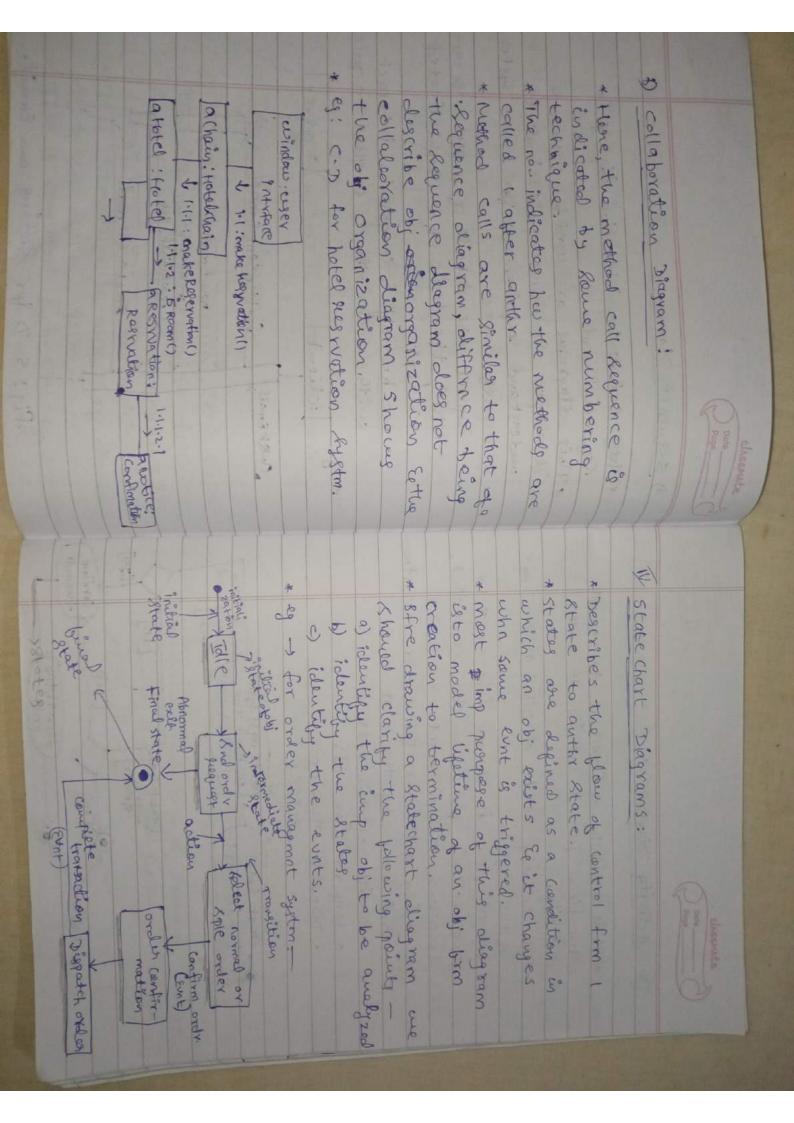
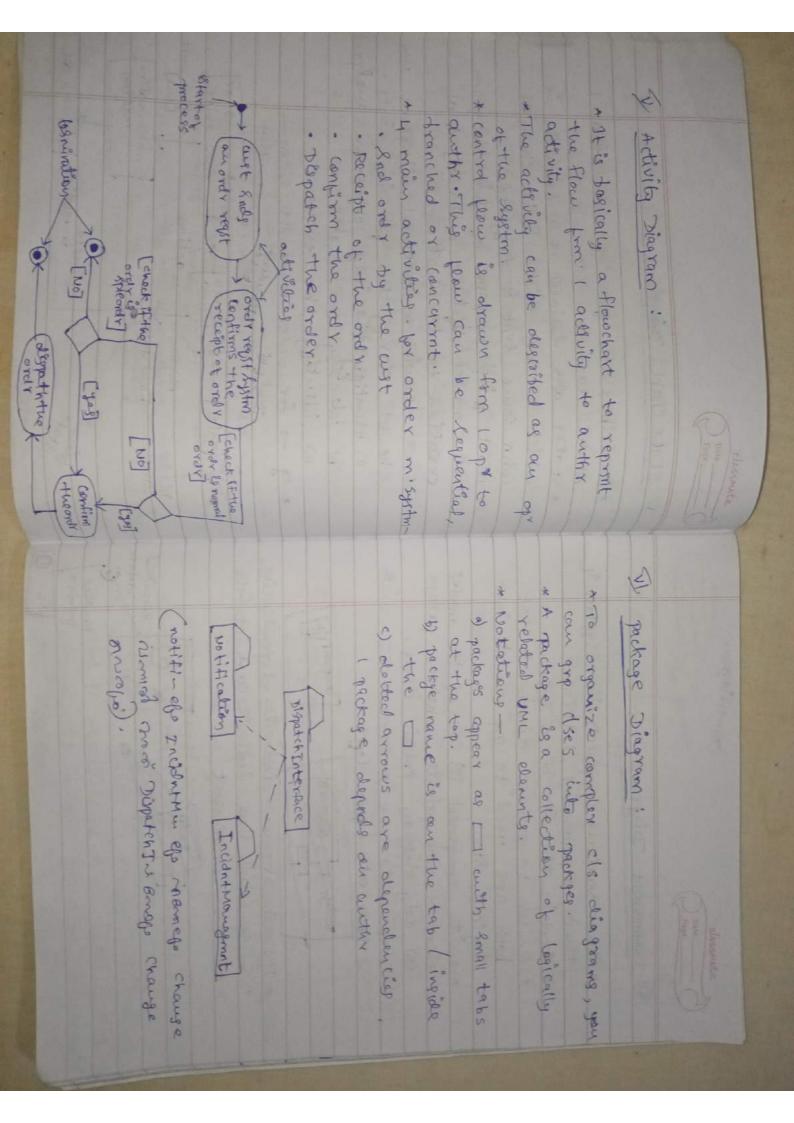
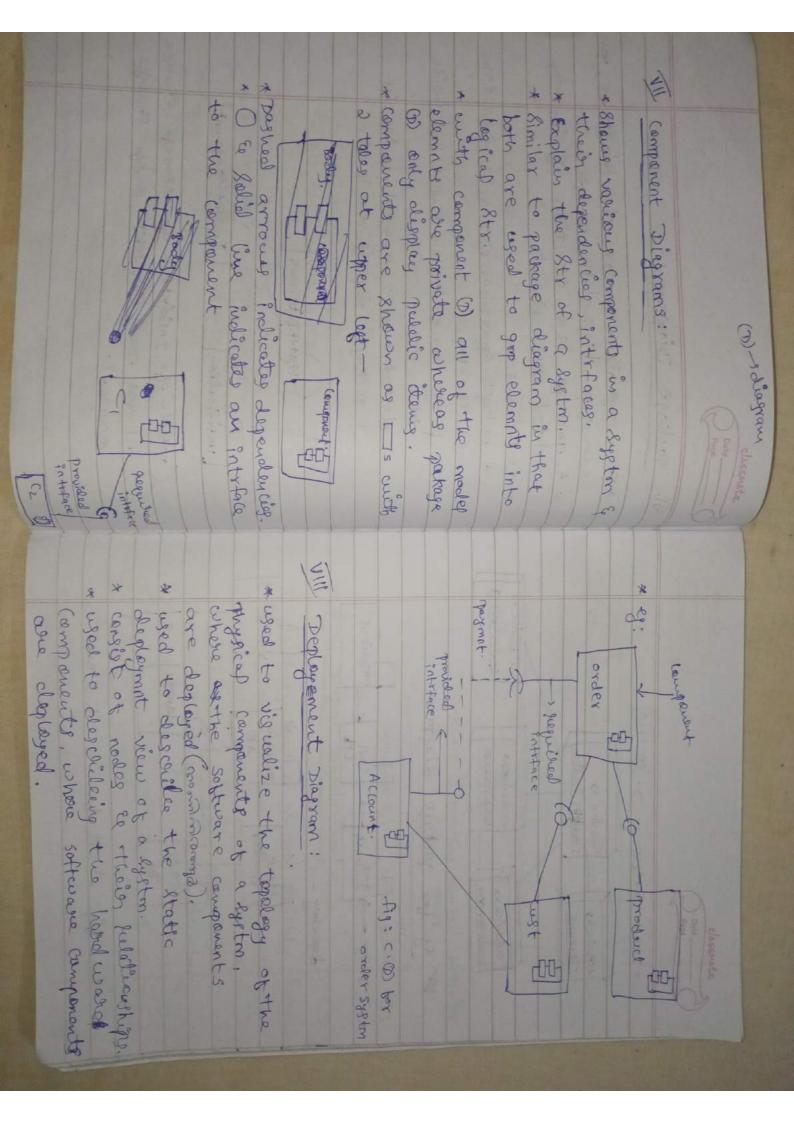
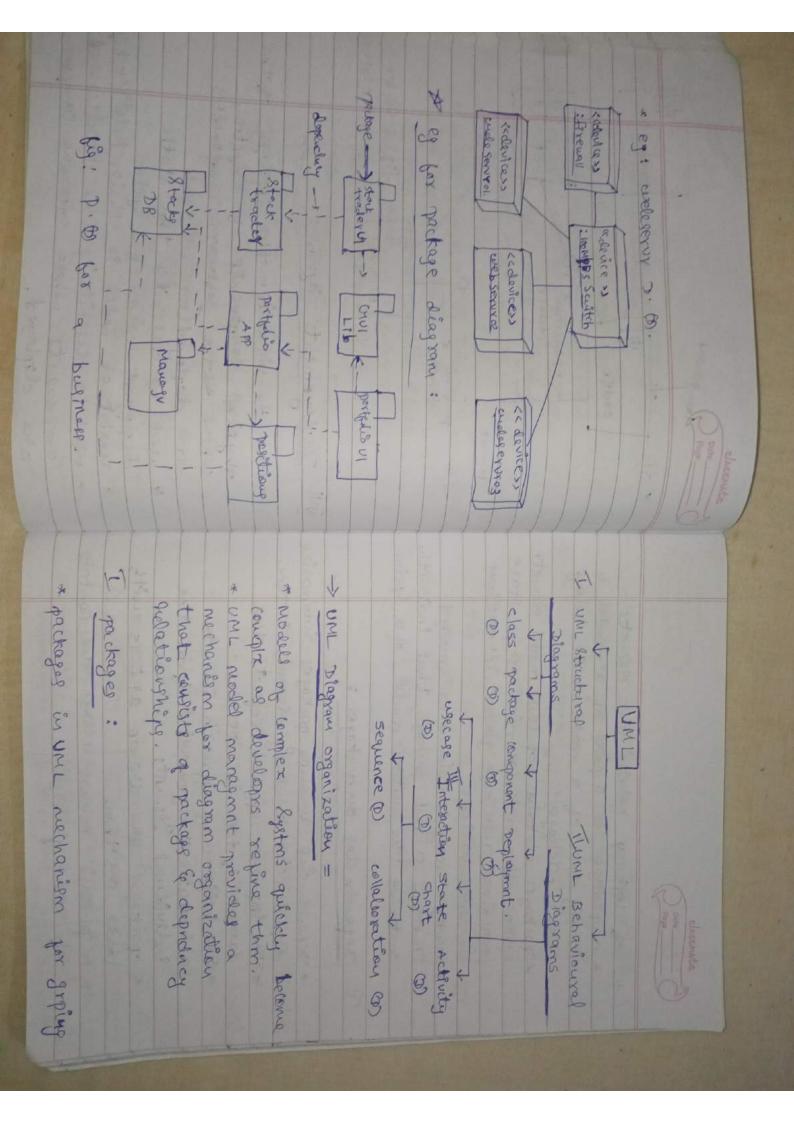
* In UNIL these are 5. allegrams to model the algorian is 1 of them." * model the algorian is 1 of them." * model the contrt of a dystem. * model the contrt of a dystem.	is to capture the dynamic tehavisur. Dynamic tehaviour means the behaviour of the system whin it is aperating. to model a system routher olynamic tehaviour is more imp than static		Modelling with UML (my):
3) Bystm name -> include the name of the systm inside on tep by * which it she ase with which it	actor role dorives benefit from that name encional to the system. 3) (use case) - pervising a major piece name of system from the system.	managmat Appain	50 80 80 80 80 80 80 80 80 80 80 80 80 80

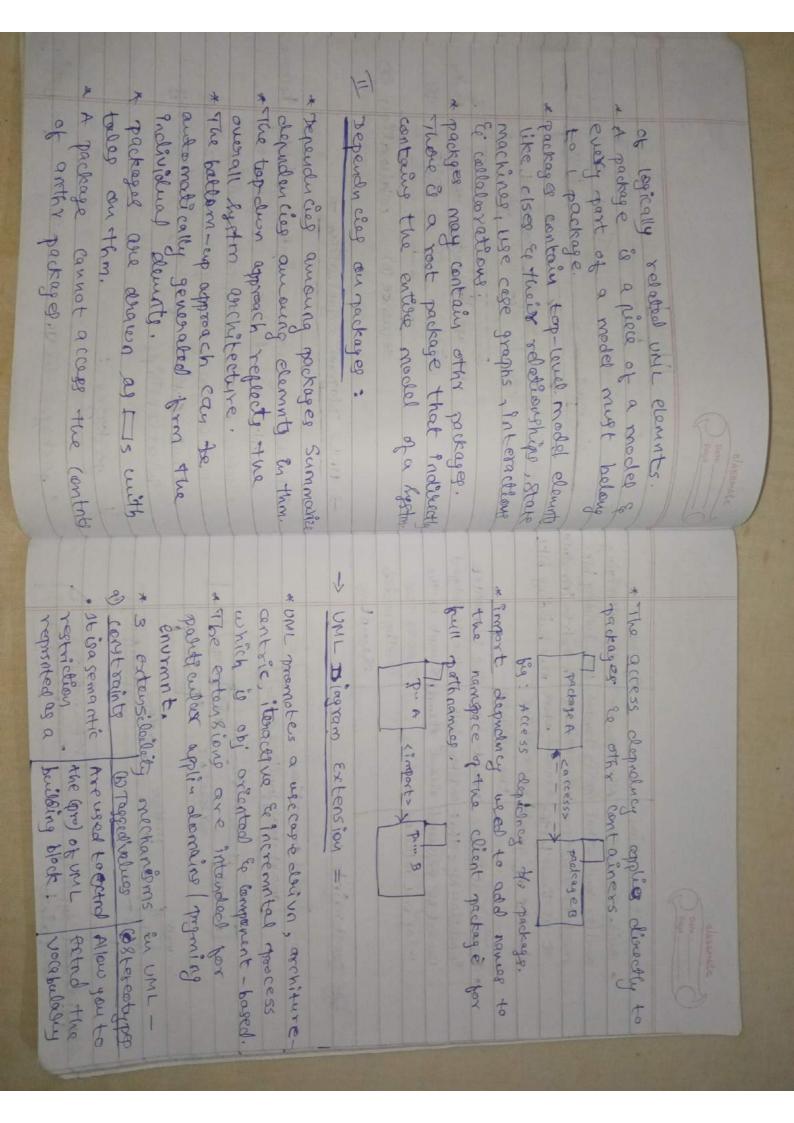


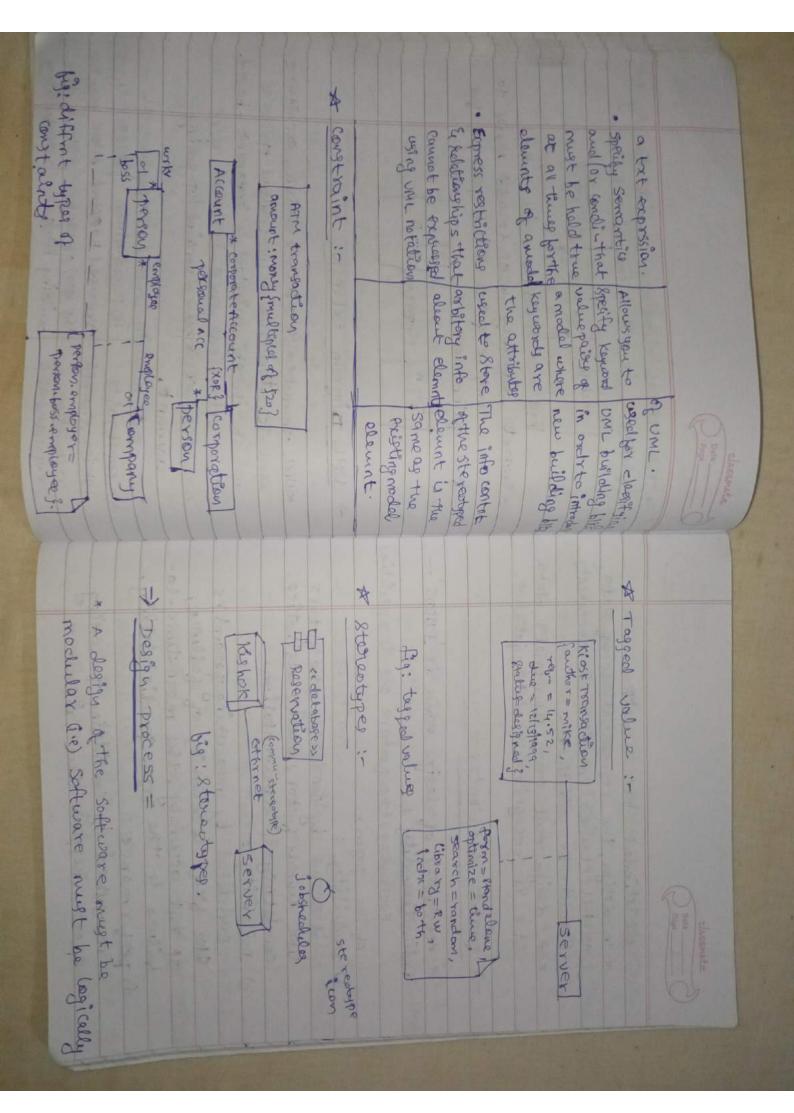












* Attributes of design name as tokes - a) Functionality: a) Functionality: evaluates the produce set & apolithing of the particles b) usabeility: Accessed by considering the particles like human factor, overall aesthatics consistincy & documntation. c) Rollability: Evaluated by measuring paramitys ide your & the prom predictaleisty. of rist accuracy, the mean time - to- bailuse & the promp predictaleisty. a) penformance: promposed by considering processing spend helponse time, resource	-> quality Attributes =	postitioned into elemnts * In olegism, the representation of data anchitecture, intrface & components * A design must carry appropriate class * A design must carry appropriate class * Sty & recession zable data, patterny.	Classmate Character Control of the Character C
provided they be applied. I Abstraction: Approcessor generalization by preducing the rap contact of an obser. a) Highest level of Abstraction: Concepts in a (s) Systm, related to high-trust and straction; Nigh-trust level of Abstraction: Selevest in a (s) Systm, related to nost distraction: Nigh-trust level of Abstraction: Selevest level of Abstraction: A systm related to low-lovel of the related to nost distraction:	-> Design Concepts =	e) Supportability: e) Supportability: combines the ability to extend the combines the ability service ability. These 3 terms defines the main tainability.	Control disconder

* Str provides conceptual integrity for	Involves creating a representation. Involves creating a representation the first sequents the this influent attent. Software trobitecture =	d) Data (t):- a process of questing of clocks type, that hides the details of the data supprentation in ords to make the	* The implementation of procedure septential of the performal of the performance of the performanc	Implementation details her marking color provides mechanisms for abot roction provides mechanisms for abot roction of entities	
a probe that low of start one to patterns one tournited in the cost situation to	contact in a description for hu to Solve	e) Functionel "	an architectural framework of a strentecture modely— * Architecture modely— a) 8tr modely	modules where they interact with each other in a specialized way.	Date dissente

In separation of concerns - (soc) a) Horizontal Separation. - principle of Reposety compled as possible e) Behaviousal patterns of creational patterns provide instantials * 3 basic kinds of D. patteringof for bound aries -At a achieved by establishment of nations techniques besses hierarchies. Sol promotes the loley that keep y Soc report to the delimitations & correlation of (8) downto to achieve and within a system. mechanisms. use ticel boundonieg. you entitles. by entities. used in commu I Modulariby e) relegating d) Behaviour * It is a practical appli-* relies to the order to a) compresibilition teckes manay ble modules. b) de composition take which a (s) appi - may by + a complex lystm "Acquartiers of Contrary be divided into small x a complete system & of the principle of modulge. alecampers it into its togither to form a medules Exput this nedundago VI Info Histing = Specifically, consider that the final is the lawself Technique of encapsulating is design modules to other (5) components. It is an imp brop Let fraction (ouman use o) Level of alegtra other So that it is the physical storge info . H is to hid e है न्यामाध्य के Changed, the Change the total progra Small & weget of

8		* occurs where modules address a specific & constrained ronge of	* It is a disect rist of separation of concerns, modularity se the info hiding.	Concert Todepredice = VIII. Stopme
	At each sto of sil, (Revenal Components ob the gun solutions cle compaged into	The state of the s		for an apply of
9 50 6 7	obj-oxiented Design concepts = (00D)	B cannot be satisfied design is oraninal unused design in afficient,	* A supresentation of a Refactoring & a concern that must be that simplifies the design a refusement be modulari- without changing its zation occur.	Aspects = 1 (woll refactoring=

* Are attached to cises An objection of attitudes are structural data (collection of attitudes)	who a prom is executed implementation is the actual the obj interact by case that implements the actual south. South myses to I behaviour of the Cls.		Structural constructions defines dely sent fines dely sent associated cutty state variables. The methods on methods are Subvanting an obj's internal state with the ability to serve as the primary operate an obj clses. The serve as the primary operate an obj clses.	O Pula Chassimate
skiented methodology to design a comparing	theose was. by any of volcious consumes of the obj. consumes of the obj.	Se natified in con on the control of	that aliffunciale lob; behaviour represented of the appearace, state of the horizonted of methods of obj.	Contractive Contra

* Design is the 1st phase of transforming the proming into a soil transforming of the oppressing of a design.	=) Design Model +			Institute to	Property of the second	1 1 1 1 1 1		The Late of the la	Charles an	3	The same of the same of the same of	The state of the s	The same of the same of the same	- 4	the strength re of matheway	o prince methods using	Sympton No. and State	to little and popular	of bus area s esm and a		
e of transforming	how we are area		management & Countral ()s.	5) Bystm cls: implement ()	of the G	persist beyond The occultur	data story that will	4) persistant ry: reprint	alestrations.	lawr-level business	3) process cls: implement	clies depined taile	the sufficements of one	2) Business domain Cls.	human-comp intraction	. that are notesson,	define all adopting	1) user intrince cis:	5 diffrat bypes of 30		
* It produced a model of provides us overall alata that suppose a view of the system. * This model is the Represented as a set more sequined into of introunted	The state of the s	I hata (3) I Architectured (3)	* 5 designs the obsign phase produces -	used in the analysis model.	the same unit diagrams that were	* Elomints of design model use many of	The state of the s	transheared into alasian equivalent	and the state of the state of	The state of the s	Arctionto of (5) process	model as design tasks and executed	ulisaro do marmiana ont barazinous.	a) process dimension:	* It can be viewed in 2 diffrat dimsions	for constructing the Co.	regare translated into a bluegaint	+ JE is an iterative through which			

* UNIL diagram is used to begin the processing	* It is similar to set of Reposits the into detailed specification from whome of the into the interior the interior the interior the interior the interior the component of the component defined as partiful and interface which are hitecture	more implementation. Subsystem that are derived from quality package in reg modily package in reg modily package in reg modily
Secursty Secursty Consonus	* Shaus the (5) punctionality & Bulesystms that allocated in the physical (amputing envinnt which spit (3). * eg: - 3 (amputing envent - pc, cpI serve & control panel. [Security] [Sec	Cg: UML C.B) for Management -> Reasons Manag