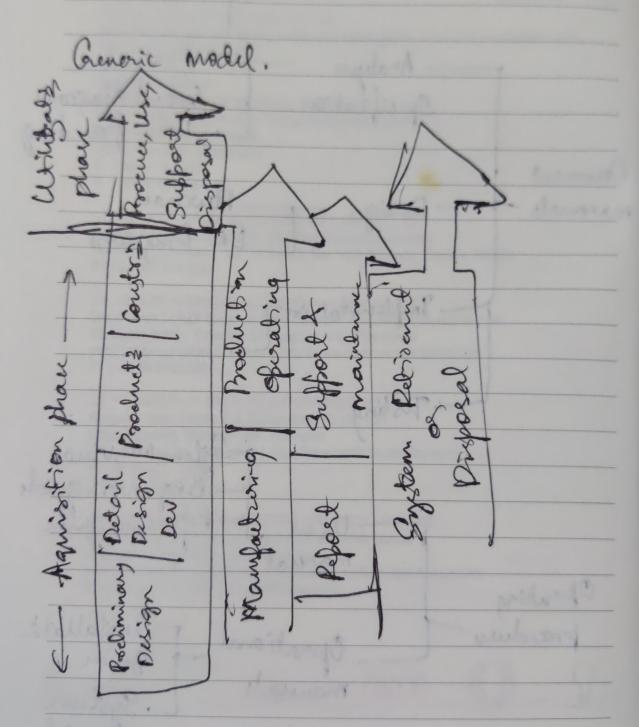
MODULE -1 Date: 16/07/2005 SDLC To Jearn ·Bit manipulation Profer Software: Cocate restain · Overflow, anderflow recessary document to make of bits it Wable. - Analysis Specification Formal - Content diagrams . Data flow diag Document Flanchard Design mannials ER Diagramy Implementation -Tusting Septem oue, view Beginner's guide - Reference guide Operating procedure -Installatz Operational guide . System Admin guide

cerlikon balzers cerlikon metco

Date: / /

Software Process - Differes wet diff company Pavelopus can systematically used recourses and give of

SDIC -



Date: / /	cerlikon
D. System Complexity.	
Choices -s V-model /	
Choices -s V-model /	spiral model
	1 in real f
D) Risks & Uncertainity	
Driver ->	Tubertedora to la
Prives -> Agile.	22 20 /00
The state of the s	1
Waterfall model.	mil /
The state of the s	frit /
[Regnisaments]	-
Deergan	Jahren rederes
- Toolage	39 00
Encution	Implementate Cooling
Į.	erificated Festing

œrlikon œrlikon Date: / / Wee Model. Operation Peterted Integral & & / Projud Perign 1 Test A [utegrat] Implementation Go Requirement Gathering > Gosign , Implementation 3 Testing - Reviews Feed back La Defloyment

cerlikon Date: / / Model Incremental legrir ements Pelease Anglyze Implement Testing Deployment Maintaina Pelease 1 AGILE MODEL Need Er Regnisonent Analysis. (non-Functional Bystem to do Bealaste Adaptable Avoilable Diagrams Secure Usability Maintainable

Portability

Care study Perign Robobic surgery Robot.

Stakeholders: Surgeons, Patient, Hospital Admir Regulatory Anthority.

Furtional -s bobot control Enterface
Habbic Leedback, Surgical Enstrumentals
Emaging Evisualization (continuous monitoring)
Non-furctional -> Imaging & Safety mechanism,
communication Hw devices & respective doctors &
profusional.

Date: / / SOLC (Basics)

SDIC is structured process followed by software obefartment teams to design, develop, test and defley high quality software systems efficiently and predictively.

Step by step poces that defines the phase moshed in developing a software product.

Why?

· Ensure quality & consistency · tleps in project planning, management · Reduce poject risk & costs

. Allower for timely delivery

· Ensures the software meets user expectation.

Phases of Soll.

C. Requirement Grathering & Analysis. Groat: Understand what client luser wants

Activities "

Meetings with Stakeholders Regionent documents

Cast & payment obtions

9.	Feasi	bilit	4 studi	4.
				1

Great Decide if tulmically financially of legally possible.

Egr Can be bruild e-comm website with E5 lakhs in 3 months.

3. Design.

Great Consort requirements into architeture &

Ose:
thigh level stow level design.

En Designing home page, product pag & how data flows in bookend

4. Development (Coding)

Goal: Developers worth arthal code based on design.

Tools: VS vode, Cost Tavaf Python it.

Egn Frontend developers brild VI:

Barelend deres handle login & dBase.

5. Testings Groat: Ensure software works as empulsed Pylus Unit testing, Integration, System certikon 5- Defloyment. Hens to cart & make pagnite 6- Defloyment Good: Make product true for users. [nordennal: sconurse site on AWS Product & to thesting the or publish on playstore. 7. Maintainaire. Goale Fin brigs, replate freatures, monitos Egs Add new payment method exfin login Really Fine Designers Develop The Dumbest
Machines Regiment Gothering & Analysis Facisibility Study Design Development Testing Deployment Hairtanair.

Requirement Grathering.

Frost step of SDLL. Understand what client wants from the roysten.

· Collect detailes info from stakeholdes.
· This prevents missindustanding
· Helps define scope, time & budget

Word reve involved?

· Business Analysts · Clients / Customers

. End Users

· Project Namagers
· Developers & Testins

I type of Regy Grathering based on what do we gather.

1. Functional RG

2. Non-furtional RG

1. Functional RG

Features & functionalities expected.

Examples:

· System must allow users to register & log in Admir should be able to generate monthy

cerlikon balzers cerlikon metco	Date	e: / /
Non Functional	Requisement (NFP)	Y
These define h	onstrains.	- quality
- System ground	boad within 3 su port 10,000 usus.	
· Data must le	e energipted	
	The same of the sa	