Requirements Eng. It is an activity It is the process of eliciting stakes dere needs and desires and developing them into an agnéed-upon set of détailed requirements that can serve as a basis for all subsequent development activities. Quality Function Deployment ( QFD) Post Functional Requirements - Directly involved with business Scalibility, porchability, Security, are nonfunctional requirement QFD: - > Normal Regn: What Went directly asked for -> Expected Reamiculands did not ask but it is essential - Execiting Ream: wow-factors (Marketing - Not essential but exciting Acceptance Test using QFD

Mid-2/Prestation — Report Submission
Goal is requirement analysis not development.
Negotiation 2000
Win-Win Situation / Win Situation if no other party
Need Knowledge Imparctial Hind
QFD will guide us to how to development the product.  Elaboration
Exabolitation
Puripose of Model  Elaboration  Defails idea
More clearly understanding
Model (Types) - Scenario Based Modelling
- Data Based Hodelling

-> class Based Modelling

- Behaviourcal Modelling

**CS** CamScanner

Report Successions Siers Scenarcio Based Modelling foremegalisms tore ceptions Story Sucim Use Activity lane Case Diagram Diagram Diagram -Non-technical in no office Lu-Well Shirthow Diagram - Graphical view of that story Data Based Modelling Data Model 101 of (E-B) Schema (OOP) class Based Modelling Clares Cand CRC Model (Class Responsibility (collaboration) 199) Behavioural Modelling (Structured Prog.) Star Bassa Hoden Dorta Flow show State Transition Diagram
Diagram
Diagram Sequence

Data Flows Activity, Process, function Data - Ploustof a Information (Anguments) State Transition: Tutaa One class has states - Active, Hibernation class changes their Through Inputs, methods transitions internally Sequence Diagram! Inter Class Transition Class - Isbold Lorige We need exclusion one pringlices in energy eyde Spality Focus - Execibility executive whom is abundant

Gate transition.

narroidions interenally

Waterfall Model is fore Hission Cristical

Incremental Model:

x Activity, Proceedy,

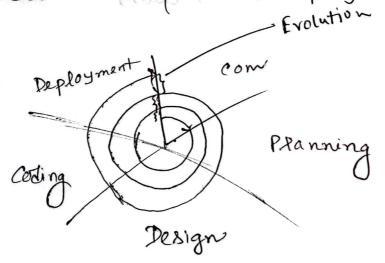
wide model Some laxity time so no banking software

(Argumants)

Evolutionary Model:

Prototyping Model: One kind of evolutionary

Spiral Model: [Web based project]



We need evolution on progress in every cycle

Quality Focus — Flexibility

creative whork is abundant

A Regular amonte Monagemen Parrallel Hodel: activity (Stant) take decision (wait) Q COPS (components on the shelf Component Based Derelopment/Hodel Which is independent, nodependencies Block Building

Cons:

A set of framework activities Why do we need process? Laterations (managers) Cause it is a systematic approach De Formal Hethods la no History A Repriesenting everytuing with mathematics - Creating mothematical model Automated (If pure mathematics) Reusability manus and manus - Scarcity of this type modeless. Aspect Orciented

ent to absentation fils into need to the system of the start of the system of the

Cross cutting concerns / aspects

security in CRM and HRM scenatios. how the end wester and

Assignment borroti lies wroto 3 model-2 page each Not from

Agile Hodel: (Process Flow) Principles of Agille Male cost source of source of the s - Host Effective , Fast Changing Cost should be linear Goali in respect to changes. Assumptions: (whento use Agile) 1. Requirements can change. So int is difficult to predictalgoog bobrostone bruotes desperg bling. (3 2. Design and construction are interleaved 3. All activities are not predictable as it could be Unpredictability >> Adaptable Zummany: Incremental attouth Agile Process Mid Rauge Project Big/Huge Project near 100 12) Adjust behaviour accordingly

Principles of Agile Model:

Destisfy the customers through early and continued elivery

2) Welcome changing requirements

3) Deliren working software frequently.

4) Business people and developers must work together daily

5) Build projects around motivated people

6) face to face communication

of progress.

8) Constant pace indefinitely

D) Continuous Attention

10) Simplicity

11) Self-Organizing Team

2) Adjust behaviour accordingly.

\* fust\* Agile vs Waterefall & Human factors 1. Competence 2. common focus 3. Collaboration 4. Decision making ability 5. Fuzzy-Problem Solving Ability 6. Mutual trust and respect 7. Self-Origanizing Chas Re Roma; billy brodelos Jas

Continue (Continue

Iwman dactors & XP (Extreme Programming) It is a process model Populare fore mid-size projects Values (5): - Communication @ - informal & f2f - Feedback 3 - User & the product itself -> Design respect &-People arround and the + Simplicity 3 - Design should be KIS - courage a - Discipline courage to work with 3 Swort Changing Treats. Destrupt (GFD) Shortes cruteria Class Responsibility, CRC Planning Release ) | Design Test Spike Unit/Integration Test cases Continuous Pain Integration Priogrammi r 6 win woud pevelopment

