Project Management models and methodologies

Overview of key Project Management Models Natorfall model -> Approach where the project activities are divided into requestial pharses--> Lach phase must be completed before the next can begin. Phases: - Analysis - Derign - Coding/ Build/ Develop System & SW regardements Operations L Test of -Althing a plan would be exceeded by Couly -> Has whork comings when the ecquirements arelarge.

Ad a concrete visión, plan grequirements, and end goal i

frame works Different -> PMBOR -> PRINCED & Projects in Controlled Environment) Themes T processes of principles Six alperts -> Starting a project - Business - Confirelled business
justification → Tritictory a propert -> S'cope arl - Organizatión -> Learning from experience Directuja je et -Times cale Apafirad volce de superistica - Quality -> Controlling a stap -> Plans → Risler -management by -monajuj product
delivery

managing stage
boundries → Risa -> Qualify -> management by -s charge - focus on Producti -> Bengiff -> propers -> Closing a project - Tailoung to swifth -> Cont profest enviso Lovered on en Rest everything is Proof ect Management Overview of Key models.

Project evaluation -> frequency of deliverables specifications/ modytanj > Frequency of Approaches - Waterfall - [Planning - Implementing - Closing) -> Predictive Jucconful elements

Successful elements

Pereloped in vicrements - Incremental - Forly modifications is privible - Fre juent deliverebles -> Iterative approach → Onpoing improvements → 1-Pefine d-Measure S. Analysze 4- Implement the process There are multiple and many thanges - Agile - uned whom there are mu defiverables and many thought of the feath - Organized collaborations

- Organized collaborations

- Herafive approach

- No project manager

Strum

Product

Marter

Marter -> Sprint - Réview - Refrospect

determine the approach Stacey's matrix Cured to heeded to deliver a projet - Human organizeturis Two criteria Requirements Uncertainty

Technical de pree of uncertainty determiny The defendent project level of a present project both Reg final project technology exprired to morent the -> When Tech is complex and agreement à low prefer Agile Then agreement is high and complexity it low, perfer traditional cors waterfall. Lifewile approach [npt related

Afile

Therefive

Jacksonerty & taces -> Best lifecy cle tredictive methy Hill Gran Quiz LO U

Project management phases What are project phaner? -> phases divide projects

-> phase help in planning and provides etructure Different models use different phenses Lean - Define, manure, explore, developé Sixsipmo - DMAIC (Petine Measure, Analyze
Inprove control Waterfell & Republement, System desijn, Inglementation, Teating, Deployment, Mainfanance Persioning Coding Testing Listening One fine Planning phas Extreme Stramment > in repeated in ferct ion => Phones au offen limitede

Parti Project phase > Initiation -7 Planning +2xeartion -Tailor your approach -, Monitoring R based on modeled Controlling approach you those - Closing All of Them to clows
more constead the 5 -> can decide wied Order R allocate resource Manhors higher authority authority Different types of organizations -> Sifect of organizational structure Novoya's comb of all fund part -> Organizational Atractive - Alifinity project objectives Principles of some organizations Orpanizational Structures provide resource Kerowiel Jaco The challen determiner: availabily - Tack division Stancture - Resource deployement mostly Pay is expossible -Team coordination Ja come Ajunctional manager will be employed -> 2mployee's role froject management PM should be aware of adminifytration identifying the organizational 8toff hox varies Afractare Joand adapt (2) Project managers Types of organizational structurer Company DTOP down in be challenging on the functional decention motion power structure making (Hiervachial) Teams/Groups report to => et to project manager , multiple team leaders and also to the fundade - Matrix thates structure Types - More authority

PMO 3 Project Management office - Supports Project Managers et a Senetit 1. Standardizes processes 2. Facilitates distribution What does 1. Identity efficiencies

PMo do 2. Provide support 3-Standardize Y-Alocate. work with organization of Look

profest mona year a look
on resource alloating whead Coordiate documentation is capturedf Jupportino (shore infod best places con) archeres - Controlling (some decrim moling process) Sirective Chare high de prec of power over standards, procures, templates reportingle documentarian)
(also resources allocations)

(flow, confinance) -> Projects - Predective (waterfall, lean, sixsipmas) (Staried - Adaptive Agices approach to reduce (serum chantan) en 1098) Drganizations can impact a project defendances

Manageria ability to be successful. The

Primery impact is an affiring Primer impact is on authority, hole, resources, availability of 1+efb, control of budget > " he borne → 3 type of PMOs -> controlling → di