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	TUTORIAL 1
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	Perform a case study on the project management approach used in various
	Come the most
	Some of the most common project management approaches used in the software
<u> </u>	The Lord Control of the Lo
*	waterfall: it is a traditional finear approach to project management that
1	software development. It emphasizes flexibility and walnut
- 1	a matter and is often implemented using methodologies such as Scrum
- 1	or kanban
*	Devops: It is a culture and set of practices that emphasizes collaboration
170	and communication between development and operation teams.
1	It is disigned to reduce the time and export required to take software
19	from awelopment to production.
_	others include Kanban, Scaled Agile Framework and Scrum
- F	Elar or dance to un act or more or or week the former
-k	Agile Agile is a flexible and thracine approach to project management that
	were sured to software development. It emphay to this blitter and
	customer collaboration and is often implemented using methodologies
- 10	such aguscrum
	DI FACISE STEAD STEED SOME THE PART OF SOMETHING ASSESSMENT THE PARTY OF SOMETHING ASSESSMENT TO SERVER STATE OF SOMETHING ASSESSMENT OF SOMETHING ASS
*	Scrum is an agile framework. It focuses on learnwork, fluibility
	and rapid iteration. It is an approach to project management that
	is often used in software development
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Let us consider rure a company, US-based, Forware 100 company providing insurance products and services to clients in North America.

Charlenge was to to decrease time - to - market in response to competitive

pressures and its expanding product line.

Iny set aggressive goals to reduce average production duration by approximately 50% and improve internal customer satisfaction by 25%.

over a three-year period: In project management environment at the time was rigio, depending almost entirely on traditional phase-based deliverable schedules with heavy divelopment technology.

The deint adopted the scrum framework and other agile product techniques, hoping to benefit from the shorter period promised by an iterative approach.

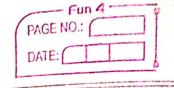
In adopting agine practices and-unniques as part of this, the organisation was set to introduce radically new management-practices to a traditionally trained project management community with an emphasis on early and frequent delivery of value to end-users

During the negioning stages of this initiative, PM solutions become an integral part of an internal group trat provided agile coaching to teams employing agile development practices, coupul with training trulored to their specific environment

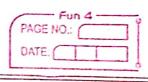
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After 18 moments of mentoring and waching a number of significant results were released:

Average project duration was reduced by 20% approximately, for a net sarring of nearly 45 million. austomer satisfaction improved nearly 30%, 18 months aread of Project startup duration acreased from an average of 10 weeks to 3 weeks turn - to -first solution implementation decreased from an average of 20 weeks to 7 weeks 90% of projects adopting ague practices and uchniques now deliver the distred value to end-users on time and within initial budgets-by contrast, with traditional approaches, only to 1. Or projects delivered desired value on-time and within tritial budgets Approximately 15% of the dients portfolio of projects has now adopted some form of agile project management 2 List various took used to estimate the risk analysis based on cost and time parametus * Monu Calo Simulation: This method uses probability distributions to estimate the potential range of outcomes for a project taking into account the uncurtainity and variability of various project parameters * PERT (Program Evaluation and Review Technique): This technique was a network diagram to model the dependencies between project tasks and estimate the expected completion time and polential risks for each task * EVM (formed value management): This method uses a combination of budget schedule and scrope data to evaluate a project's performance and can be used to identify potential cost and schedule overnine



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	Decision Tree Analysis: This took helps to Visualise the potential
	outcome of different decisions and identify the best course of action
120	based on cost time and other factors.
	Cases VII dost will will value factoris
* Name / *	Ruk register: It is a document or tool that captures and tracks
10-12	identified nike, their likelihood and impact, the response plans
	and the status of each risk.
the test	with anyone there was now as a marker of the transfer of the terms of
	senstivity analysis: It helps to identify now changes in key input
A COOK	variables impact the overall project risk by simulating different
	scenarios argante codinte million and a million and a major to continue
L . T . 3.	types of project management activities to control development process
	The state of the s
7	Training and defining project and allies
6	trust goals to less well performed to have
A 1	
1196 438324	project plan
- the part	and resources helded to achieve and
7	The state of the s
	The state of the s
B (WE IX	A addited timeline - stack and
- Adh. A	set milestones and deadlines
1/+	Assigning and managing omiget their
	Assigning and managing project tasks and responsibilities Assign tasks and responsibilities
	Moniter progress
100	Provide guidance and support
	The state of the s
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\rightarrow	Managing and monitoring project progress and performance:	
	Moniter progress	
*	Adjust timiline to be on track	
	review the performance of the team.	
→	Identifying and addressing project risks and issues	
	Identify polintial risks and issues	
*		
*	risk management plan.	
7	Communicate with stakeholders	1.
*	team members, clients = talk	
	The second of th	
→	Manago project resources, including budget and personnel.	1.4.
*	manage equipment and mattriaes	
t	control project costs and budget	
→	controlling and adjusting project scope	
*	Monetor and control scall.	
*	proper accumentation, if changes made.	
*	Inform all Stakeholders	
也		
->	Impumer quality assurance and control measures	
+	regular quality checks	
->	closing and evaluating the projects overall success	
*	post project review	
71 - 11	counction of feedback.	
*	laintify areas of improvement	
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