VOER T23 -127

Experiment 1

Aim: - To understand devops, principles, practices and devops voles and vesponsibilities.

Theory:

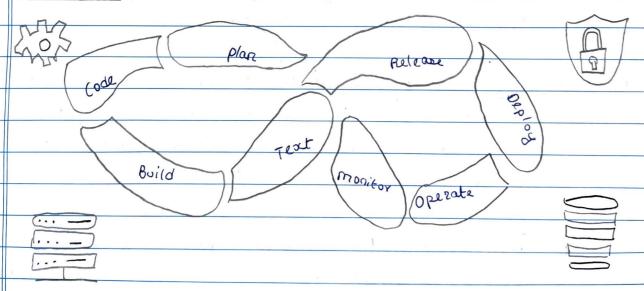
Definition:

i) DevOps is the combination of two words one is development and other is operations. It is a culture to promote the development and operation process collectively ii) Tevops helps to increase organisation speed to deliver applications and Services. It also allows organisations to Serve their customers better and Compete more Strongly in the market.

with better communication and Collaboration

iv) Devops has become one of the most valuable business disciplines for enterprises or organisations. With the help of Devops, quality and speed of quality and application delivery has improved to a great extent.

Architecture:





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	Ŋ	Build: - Without devops, the cost of the Consumption of the resources was evaluated
		based on the Rre-defined individual usage with fixed hardware allocation.
	ne i	And with Devopo, the build is dependent upon the user's need, which is
		a mechanism to control the usage of resources or capacity.
	2)	Tode: - Many good practices such as git allow the code to be used, which ensures
		writing the code for business, helps to track changes, getting notified about the
		reason behind the difference between the actual and expected output and
		if the company reverting to the original code deutloped.
3		d and a second difference.
	1	st: - The application will be ready for production after testing. In the case of
Torin Ra	1 1 -	manual testing, it consumes more time is and moving the code
		to the output.
4	D(a	a :- Dellow make acily make data is also will be
	-	n: - Devops asse agile methodology to plan the development. Withouthe operation
		and development team in Sync, it helps in organising the work to
	A.	plan accordingly to increase productivity.
		yellor grape of the
5)	Mod	Also it helps in tracking the System accurately so that the health
		of the application can be checked.
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	0 '	3.00 (1.1)
9)	Deplo	y: - Many Systems can Support the scheduler for automated deployment.
		The Good management platform enables usurs to capture accurate
		insights and view the optimization Scanario, analytics on trends by
		the deployment of dashboards
		The state of the s
7) 0	pera	te: - Veropo changes the traditional approach of developing and testing
		Separately. The teams operate in a collaborative way where



	both the teams actively participate throughout the service lipecycle. The
	operation team interacts with deulepers and business requirements.
	abolicous mad and avagation of the or become the supplied
5	Release: - Deployment to an environment can be done by automaxion. But When the
	deployment is made to the production environment it is done by
<u> </u>	manual triggering-
1976	the comment of it would be a don't improve and a comment
<u></u>	R Principles:-
) : * x = *	· Collaboration
-	· Data-based decision making
	· Customer-centric decision making
	* Constant improvement
	Responsibility throughout the lifetycle-
	- Automation-
*	Advantages:
	Vevopo is an excellent approach for quick development and deployment of applications.
•	It responds fester to the market Changes to improve business growth.
0	Improves enstomen la perience and Salisfaction.
6	Deuspo excalates busines profit by decressing software delivery fine and
	transportation costs.
	Simplifies collaboration and places all tools in the cloud for customers to access-
•	Devopo means adlective responsibility, which leads to better team engagement
	and productivity-



		Disadvantages:	
	•	Teuopo professional or expertis divelopiro are less available.	
	•	Developing with Devops is so expensive	
	•	Adopting new Devopo technology with the industries is hard to manage is	<u> </u>
		a short time.	
	- 11	Lack of DevOps knowledge can be a problem in the continuous integration	0
	111	v ·	
		a automation projects.	7
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	5	onclusion: Hence, we have known what duops is and its advantages an	d
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		d.	
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