Theory - Over the years, software development has gome to great length in evaluation, starting from brute waterful model we now have advanced methods like Evolutionary puototyping agile which not only allow effective development but also pascallel working and multiple project handling with very decrent precision and good result.  But there have lead to troubles as evell, Imagine who do delivery it seemsed, every new Herables, fix, build must be deployed and tested.  Cost lier that was not the case or the final product was the ency thing that required delivery was the End product.  Devops it basically the case gottegration of detelopment with operation, which bevically means that heavis in the operational model that takes case of delivery to fooling the delivery at pour development with a delivery solely an creation (of bugs of) af software.  It allow tackling the following challenges:  1) Costly Error prone Manual delivery		Abhûluk Upodhyay BE-IT A 47. 29  DATTA MEGHE COLLEGE OF ENGINEERING Page No.:  Date:
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(iv) Removal af addition Burden on developers.  (v) Orrox fixing le resolving in refears as well as		9) Costly Error prone Manual dellures:  11) Selow development & Slower deployment  18) Resk of instability.  18) Removal of addition Burden on developers.

In technical terms, Devops is combination of cultural philage practices and toole that increases an organizations ability to deliver applications and service at high velocity, evolving and improving products at a farter pare that organization using baditional software development and improving management process. Gains with Denops: 1) Collaboration and trust: Devops allow Benefoper to sonk and operations to operate collaborating flawley god 19) Faster Releases & Smarter Works. Pri) Accelerate time to resolution. W) Better Manage unplanned Work. CAMS Framework for Denops: culture Shorine Automabig Measurement Lean

(2) Devops culture in one word it'd be "collaboration".
(2) Sharing a common goal and hawing thelps In-focusating a tention on specific problem. A atomation: - Hme Port wante doing things manually
(PT) Have a CJ (CD) mind set.
(PT) Automation should be smooth and easy to Replicate. -> lean (1) The firm gap between development to deployment mest be brought down. Detream the count of securing bugs of or fail ary or degree of focus on acquising data on the invarience Measurement Co Showing Pair developor und operators in pad phase at application libergula
Pi) Slogging through the stough patches togther makes celebration
successor al the more sweet patches togther makes celebration 999) Paritue feedback from peur motivature as an much a our paychoke and coreer ambitions. Devops practices: (1) CI/CD (1) Microsomules (iii) Imprastructure as Code Es Policy of a Code. Tomagement (94) Monitoring and Logging (4) Communication and Collaboration

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	Benefits of Deupps:
->	Sport
->	Rapid Delivery
3	Reliablify
3	Scale 0
	Francisco Collaboration
1	200 m de la la la la la mant Mondiferiosa
1	Effective scalipa & deployment Monitorina.
*	9 . 1 . 1 . 1
7	Barriery 40 Duropsi-
7	Culture
	Legaly
->	- Application Complexity
->	Continuous Perting
9	Managing Environment
9	Budget!
9	Fragmented Pools.
	Lools:-
*	Conference Management:
-	Configuration Management:
-	> Salf Stack
	> papet.
	> And ble
ap.	Continuous Integration.
->	Senting
->	Teamtity
-3	(ndeship
->	Crocle Ci
0	Microson wices:
- 9	Osker.
-8	Mesos Blask Box.
-3	Elast Box.

