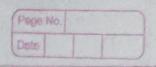
## Expt no 1

phase.



Aim: Introduction to DevOps Theody: Evalution of software Development over years. i) Waterfall Methodology The evolution of software Development life cycle Stasts in the mid twentieth century. The Software was developed by Gode & Fix technique which included two steps: O write some code OFix the problems of this code However in 1956, the experience secognizes the problems with more large Software development & then a model Stagewise was originated Royee (1970) proposed the waterfall Methodogy in order to avoid the difficult nature of "code & fix" approach He proposed the Construction of a prototype, & involvement of the users in seleval phase. In Various researches the waterfall mode. is classified as a traditional methodology. The central concept of waterfall model is classified integrated verification & Validation of the result by the customer in order to complete a coolin

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The Waterfall Methodology are mainly quality management & documentation. The Waterfall methodology describes a sequential proceeding strategy also covering all phases from requirement to operation while not explicity covering maintances & disassembly.

Agile Methodology

Agile Methodology are a new host of

Methodologies that claim to avercome the limitations

of traditional plan driven SDMS.

Agiles means a practice that

promotes continous iteration of development &

testing throughout the software development

lifecycle of the project.

The manifesto states that agile development

should focus on four core valves.

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Our tradition of change over following a plan

most studies reported that agile development

prattice are easy to adopt & work well

waterfall
[Design] [Code] [Test] [Deploy]

Agile
[Design] [Code] [Test] [Code] [Test] [Deploy]

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Date	T	*****	T	

## Agre With continuous Deployment (Regule a Devop) [Design] A D D D D D D D D D

Agile methodology is one of the simplest & effective processes to two a vision for a business need into software solutions. Agile is a term used to describe software development approaches that employ continual planning, learning, improvement, team collaboration, evolutionary development & early delivery.

It enlaurage Flexible responses to charge.

what is DevOps?

- Devops is a set of practice that combines
  Software development (Dev) & information-technology
  operations (ops) which aims to shorten the
  System development life (yele & provide continuous
  delivery with high software quality.
- 1 This allows a Single team to handle the entire application lifestyle from development to testing, deployment & operations.
- Devops helps you to reduce the disconnection between software developers quality assurance (QA) engineers & System administration.
- Devops on also be defined as a sequence of development & IT operations with better communication & collaboration Devops helps to Increase organisation.

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Data		

Speeds to deliver applications & Services Why devops? we need to understand why we need the Devops over the other methods. O The operations & development team worked incomplète isolations. @ After the design build the testing & deplayment are performed respectively. That's why they consumed more time than actual build cycles.

(3) Without the use of Devops, the team members are spending a large amount of time on designing, testing & deploying instead of building the project. (3) Manual code deployment leads to human esses in production

Devops is impostant?

Devops is impostant because it's a Software development & operations approach that enables faster development of new Products & easier maintainances of existance development.

Devops is no mose than a set of processes that co-ordinate to unity development team & processes to complement software development.

processes to complement Software development.

(3) The main reason behind Devops pupularity is that it allows enterpoises to execute & improve products acts a faster place than traditional software development methods.

Benefits of Devops: (i) Continuous 5 oftware delivery

(ii) less complexity to manage.

(iii) Faster resolution of problems.

- Cultural Benefits: (i) Happied & mode productive teams.

(ii) Highed employee engagement

(iii) Grocated Professional development opportunies.

Business Benefits:
(i) Fastes delivery of features

(ii) Mode stuble operating environment

(iii) Improved Communication & Collaboration (iv) More time to innovate.

conclusion: - we can conclude that we have completed studying Introduction to Devops.