

CSE471-System Analysis and Design

Assignment-01

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Answer to the Q. No 1

Comparison between Agile and DevOps.

- i) DevOps is a practice of bringing development and operations team together whereas Agile focuses on erross-functional group connespondence and conveying consistent iterative delivers.
- ii) DevOps centers around the start to finish programming measures. that accepts steady turn of events and testing, on the other hand, Agile focuses on accepting mid project changes.
- iii) In DevOps, team members have different range of abilities. In Agile, groups have comparable ranges of abilities.
- iv) DevOps expect to present constant conveyance day by day where Agile supporters make gradual arrangements after each run.
- V) DevOps tools: Active Collab, JIRA, Git, Pivotal Trackeπ etc.
 Agile tools: Docker, Nagios, Jfrog Antifactory, Kubernetes etc.

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Answer	to	the	Q.	ИО	2

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Total Benefit	Υεαπ Ο	Year 1	Yean 2	Year 3
	0	43615	58363	74169
Total Cost	84468	10819	12316	12776
Net Benefit =	{84468}	32796	46047	61393
Jotal Benefit — Total Cost)	, in tak) , ((p)	3
Cumilative = Cash flow	{84468}	{51672}	{5625}	55768

We know, BEP = Numbers of years of negative cash flow + That year's cash flow - That year's cash flow.

That year's cash flow.

Here, Number of years of negative cash flow = 2 That year's net clash flow = 61393That year's cumulative clash flow = 55768

$$\therefore BEP = 2 + \frac{61393 - 55768}{61393}$$

= 2+0'0916 \$\times 2'09 Years

(Ans)

Answer to the Q. No 3

Functional requirements;

- · Application will let user login using their unique username and password.
- · Application will treack of daily new foods which is storred in the fridge.
- · Application will let user to update the fridge database.
- · Application will detect and treack any order.
- · Application will detect notten foods.
- · Application will give notification to user of food more than a week.

Non Functional requirements:

- · Application will show inner temparature to the user.
- · Application will show load shedding duration.
- · Application will show compression values.
- · Application will give user to access fridge database.
- · Application will be responsive in all user interface.
- · Application will be update in every ten minutes.
- · Application will work only for Walton Fridge.

Answer to the Q. No 4

Functional requirements:

- · Application will enable the students login with their ID and pin.
- · Application will have a two factor authentication.
- · Application will have a search options for their lost items.
- · Application will treack if any lost items have been reached to respective owners.
- Application will ask the students to contact with clost and found unit when they lost on found any item.
- · Student should be able to enter description of lost item.

Non-Functional requirements; and many and the molling

- · Application will be responsive in all were intereface.
- · Students can see lost item name in application interface.
- · Application will have better performance, security testing, usability.
- · Student can update on delete application.
- · Application will have contact information of "lost and found" unit.