Comparison between Agile and Devops are given below.

Agile	DevOps
(a) It refers as an iterative methodology that strengthen teamwork, customer input and short frequent releases. with rapid changes.	(a) It's a practice that brings together development and operation teams.
(b) It requires a small team.	(b) It requires comparatively large team than agile.
(c) It's target area is software development.	(c) It's target area is giving end to end business solution.
(d) Customers give the feedback	(d) Internal team gives the feedback.
(e) It targets on functional and non-functional readiness	(e) It targets on operational and business readiness.

Ans. to the Q. No.-02

	year 0	year 1	year 2	year 3
total benefit	0	48615	58363	74163
total cost	84468	10819	12316	12776
net benefit	(84468)	32796	46047	61393
cumulative cashflow	(84468)	(51672)	(5625)	55768

BEP : no. of years of negative cashflow

$$+ \frac{\text{that years Net cashflow that cumulative cashf}}{\text{that years Net cashflow}}$$

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

$$= 2.09162$$

Ans to the Q. No - 03

Food freshness checking app for refrigerators.

Functional requirements

(i) The app will store the food storing date.

(ii) The app system will observe the food condition and color with refrigeration time and duration. Furthermore, based on the observation the app will take decisions wheather the food healthy or not.

(iii) The app will have informations about the food items stored in the refrigerator and will show the percentage of freshness particular food items have.

(iv) The app will provide a report to the user through continuous updating data based on smell and color of the food items.

Non functional requirements

(i) **Operational** : The app will be run in all version of android and ios. Also app will be connected with the frezzer wirelessly through walton's admin server.

(ii) **Performance** : The app will be able to track 18 to 20 food items at a time. Moreover, the app should be updated with the latest feature added to the refrigerator.

(iii) **Security** : The app will protect user's data and other information like location, food items with outsiders. The app will strictly follow Laws and regulations.

(iv) **Cultural and Political** : Customer private information is protected in complience with the data protection act. The app will confirm all states law.

Ans to the Q. No - 04

"Red Pill - Blue Pill" Store