Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	18 October 2022
Team ID	PNT2022TMID00034
Project Name	Nutrition Assistant Application using Cloud Computing
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Panel	USN-1	The user will login into the website enter his height & weight and also uploads the food he wants to eat on the website.	20	High	ALLAN JACOB P ABISHEK R ACHUTHA MALLIKARJUNA JANESH C
Sprint-2	Admin Panel	USN-2	The admin uses the Clarifai API to identify the food and Nutrition API to find the amount of nutrition present in that food.	20	High	ALLAN JACOB P ABISHEK R ACHUTHA MALLIKARJUNA JANESH C
Sprint-3	Chat Bot	USN-3	The user can also directly talk to the webpage and ask questions using the chatbot	20	High	ALLAN JACOB P ABISHEK R ACHUTHA MALLIKARJUNA JANESH C
Sprint-4	Final Delivery	USN-4	Integrate the application to Cloud using Docker and Kubernetes. Submit the report of the final application.	20	High	ALLAN JACOB P ABISHEK R ACHUTHA MALLIKARJUNA JANESH C

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022		29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		19 Nov 2022

Velocity:

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)