Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	01 November 2022
Team ID	PNT2022TMID30006
Project Name	Project – Nutrition Assistant Application
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	ANJANA.T HAFSA AZMI.J SALMA.A VINUJA.S
Sprint-1	New user	USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	ANJANA.T HAFSA AZMI.J SALMA.A VINUJA.S
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password.	1	Medium	ANJANA.T HAFSA AZMI.J SALMA.A VINUJA.S
Sprint-2	User details	USN-4	As a user, I can fill the details about my health like all obesity I have.	2	Medium	ANJANA.T HAFSA AZMI.J SALMA.A VINUJA.S
Sprint-3	Suggestion	USN-5	As a user, I can have some suggestion nutrition diet to have a healthy lifestyle.	2	High	ANJANA.T HAFSA AZMI.J SALMA.A VINUJA.S
Sprint-4	Upload image	USN-6	As a user, I can upload the images of the food items to find out the calories and also suggest healthy diet plan.	1	High	ANJANA.T HAFSA AZMI.J SALMA.A VINUJA.S
Sprint-4	Dashboard	USN-7	As a user, I can view the details provided by the Nutrition API about the food image I have uploaded.	2	High	ANJANA.T HAFSA AZMI.J SALMA.A VINUJA.S

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	20	05 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

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)

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

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

	Initial Estimate	31-Oct	01-Nov	02-Nov	03-Nov	04-Nov	05-Nov
Sprint Number	**Day 0**	**Day 1**	**Day 2**	**Day 3**	**Day 4**	**Day 5**	**Day 6**
Sprint-1	20	0	10	5	3	2	0
Sprint-2	20	2	10	4	3	1	2
Sprint-3	20	5	5	4	5	0	0
Sprint-4	20	3	4	2	2	3	5
Remaining effort	80	70	41	26	13	7	0
Ideal effort	80	66.66666667	52.33333333	41	26.66666667	13.33333333	0