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

Date	08 November 2022
Team ID	PNT2022TMID27200
Project Name	Project – Nutrition Assistant Application
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Sindhu S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Sowmiya S
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Aswin kumar A
Sprint-2	User details	USN-4	As a user , I can fill the Details.	2	High	Vijay N
Sprint-3	Push notification	USN-5	As a user, I will search the food items.	2	Medium	Sindhu S
Sprint-4	Shown the nutrition details and Recipe for	USN-6	As a user, I can scan the food an get the nutrition details and recipe for related scanned	1	High	Sindhu S Sowmiya S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	scanned food		food.			Aswin kumar A Vijay N

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	16 Nov 2022	21 Nov 2022	20	21 Oct 2022
Sprint-2	20	6 Days	18 Nov 2022	23 Nov 2022	20	23 Nov 2022
Sprint-3	20	6 Days	21 Nov 2022	27 Nov 2022	20	27 Nov 2022
Sprint-4	20	6 Days	25 Nov 2022	30 Nov 2022	20	30 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)

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

Average Velocity = Story Points per Day

Sprint Duration = Number of (Duration) days per Sprint

Velocity = Points per Sprint

$$AV = \frac{20}{6} \approx 4$$

Therefore, the **AVERAGE VELOCITY IS 4 POINTS PER SPRINT**

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	16-Nov	17-Nov	18-Nov	19-Nov	20-Nov	21-Nov
Sprint number	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Sprint-1	20	0	10	5	3	1	1
Sprint-2	20	2	10	4	1	1	2
Sprint-3	20	5	5	5	5	0	0
Sprint-4	20	3	3	3	3	3	5
remaining effort	80	70	42	25	13	8	0
ideal effort	80	66.66666667	53.33333333	40	26.66666667	13.33333333	0

BurntDown Chart

| | Day 0 | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 |

remaining effort   ideal effort