

## Project Planning Phase

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

Date	28 October 2022
Team ID	PNT2022TMID04430
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	Pranesh V R Nandhakumar R G Rishi B Sanjeev S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Pranesh V R Nandhakumar R G Rishi B Sanjeev S
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Pranesh V R Nandhakumar R G Rishi B Sanjeev S
Sprint-2	User data	USN-4	As a user , I can fill the Details.	2	High	Pranesh V R Nandhakumar R G Rishi B Sanjeev S
Sprint-3	Notification	USN-5	As a user, I will search the food items.	2	Medium	Pranesh V R Nandhakumar R G Rishi B Sanjeev S
Sprint-4	Display the nutrition details	USN-6	As a user, I can scan the food an get the nutrition details and recipe for related scanned	1	High	Pranesh V R Nandhakumar R G

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			food.			Rishi B Sanjeev 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	29 Oct 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)

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

**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.

		Initial Estimate	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct
	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	<u>66.66666667</u>	<u>53.33333333</u>	<u>40</u>	<u>26.66666667</u>	<u>13.33333333</u>	<u>0</u>

# BurntDown Chart

