

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID41475
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
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 sign up the application by entering my email, password, and confirming my password.	2	High	YUVARAJAN R
Sprint 1	New user	USN-2	When I register for the application as a user, I will get a confirmation email.	1	High	INBARASAN M
Sprint-2	Gmail Registration	USN-3	I can sign up for the application as a user using Gmail.	2	Medium	VIGNESG P
Sprint-2	Login	USN-4	I can access the application as a user by providing my email address and password.	2	Medium	VIGNESH P
Sprint-3	Suggestion	USN-5	I can recommend things as a user, like a dietary plan, etc.	1	High	VINOTH KUMAR N

Sprint-4	Image upload	USN-6	As a user, I must input photographs of food items in order to calculate calories and provide suggestions for a balanced diet.	2	High	YUVARAJAN R
Sprint-4	Dashboard	USN-7	Nutrition API will be used to deliver the information.	2	High	INBARASAN M

#### 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)

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

## 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.

