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

Date	22 October 2022
Team ID	PNT2022TMID44653
Project Name	AI-Powered Nutrition Analyzer for Fitness Enthusiasts

Product Backlog, Sprint Schedule, and Estimation:

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	Srinivasan.M
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Gopinath.S
Sprint-1	Registration	USN-3	As a user, I can register for the application through Google.	2	Low	Sangeetha priya.D
Sprint-1	Login	USN-4	As a user, I can register & can log into the application through entering email & password.	1	Medium	Sakthivel.M
Sprint-2	Dashboard	USN-5	As a user, I can access any of the options available there.	1	High	Srinivasan.M
Sprint-3	Storage	USN-1	As a user, I can input any of the image of food in the upload field and obtain the results.	2	High	Sakthivel.M
Sprint-3		USN-2	As a user, I will get the results of the image which is predicted by the model.	2	High	Sangeetha priya.D
Sprint-4		USN-3	As a user, I can use diet charts and take tasks as my wish & get rewards.	1	Medium	Gopinath.S
Sprint-4		USN-4	As a user, I can purchase nutrition powders at affordable price.	1	Medium	Srinivasan.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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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.