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

Date	18 October 2022
Team ID	PNT2022TMID00728
Project Name	Project - 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	Data Processing		The collected image data has to be processed before using it.	2	Medium	Sham Melbin S, Sanjay Bharath
Sprint-1	Model Creation		A model is created and trained to undertake the prediction task.	1	High	Sanjay Bharath, Sandeep V
Sprint-2	Predict using the model		The trained model is used to predict the corresponding input.	2	Medium	Sanjay Bharath, SivaShanmugam MV, Sandeep V, Sham Melbin S
Sprint-1	Home Page	USN-1	As a user, I can view the home page and access the service from there.	1	Low	SivaShanmugam MV, Sham Melbin
Sprint-1	Image upload	USN-2	As a user, I can upload the image that I wish to use for prediction.	2	Low	Siva Shanmugam MV, Sanjay Bharath

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)

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