

Project Design Phase-II

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

Date	05 November 2022
Team ID	PNT2022TMID21496
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	Ravikumar K
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Harish J
Sprint-1	Registration	USN-3	As a user, I can register for the application through Google.	2	Low	Ajay A
Sprint-1	Login	USN-4	As a user, I can register & can log into the application through entering email & password.	1	Medium	Madhavan R
Sprint-2	Dashboard	USN-5	As a user, I can access any of the options available there.	1	High	Harish J
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	Ajay A
Sprint-3	Application	USN-2	As a user, I will get the results of the image which is predicted by the model.	2	Medium	Ravikumar K
Sprint-4	Application	USN-3	As a user, I can use diet charts and take tasks as my wish & get rewards.	1	High	Madhavan R
Sprint-4	Application	USN-4	As a user, I can purchase nutrition powders at an affordable price.	1	Medium	Harish J

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	08	5 Days	06 Nov 2022	08 Nov 2022	20	7 Nov 2022
Sprint-2	15	5 Days	07 Nov 2022	09 Nov 2022	20	8 Nov 2022
Sprint-3	15	5 Days	10 Nov 2022	12 Nov 2022	20	11 Nov 2022
Sprint-4	25	5 Days	13 Nov 2022	17 Nov 2022	20	16 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.

