

AI-powered Nutrition Analyzer for Fitness Enthusiasts

Project Planning Phase

Milestone and Activity List

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement	User story Number	User story/stack	Story Point	Priority	Team Members
Sprint-1	Registration	USN-1	User can register for the application by entering user name and entering a strong password.	2	High	Nithika S
Sprint-1	Login	USN-2	User can login to the application by entering user name and password	2	High	Nandhini S
Sprint-2	Upload images of digital document	USN-3	User can input the food images into the application's document	1	Moderate	Mary Jefina A
Sprint-2	Prediction	USN-4	User can predict the image	1	Moderate	Yeswanth Raj M
Sprint-3	Upload the fruit images dataset	USN-5	User can input the fruit of their choice that they want to know about	1	Moderate	Nandhini S
Sprint-3	Recognize fruit	USN-6	User can choose their fruit type	1	Moderate	Nithika s
Sprint-4	Recognize Fruit type	USN-7	User can recognize their selected fruit in the output, and recognize it and its benefits	2	High	Yeswanth raj M
Sprint-4	Recognize fruit colour	USN-8	User can recognize the fruit colour in the dataset and differentiate it with others	2	High	Mary jeffina A

Project Tracker, Velocity & Burn down Chart

Sprint	Total story point	Duration	Sprint start Date	Sprint End date	Story points completed	Story release date
Sprint-1	2	6 Days	24 October 2022	29 October 2022	2	24 October 2022
Sprint-2	2	6 Days	31 October 2022	05 October 2022	2	5 October 2022
Sprint-3	2	6 Days	7 Nov 2022	12 November 2022	2	12 Nov 2022
Sprint-4	2	6 Days	7 Nov 2022	19 November 2022	2	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)

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

Burn down 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.

