

Project Planning Phase

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

Date	28 October 2022
Team ID	PNT2022TMID13870
Project Name	Project - AI-Powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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 name, email/mobile number and a strong password.	2	High	Harini T, Akhila B
Sprint-1	Login	USN-2	As a user, I can login to application by entering email/mobile number and password.	2	High	Hemalatha M A, Kaneshka Sre R S
Sprint-2	Upload images of digital document	USN-3	As a user, I can input the fruit images into the application's document	1	Medium	Harini T, Hemalatha M A
Sprint-2	Prediction	USN-4	As a user, I can predict the image	1	Low	Akhila B
Sprint-3	Upload the fruit images dataset	USN-5	As a user, I can input the fruit of my choice that I want to know about.	1	Medium	Harini T, Kaneshka Sre R S
Sprint-3	Recognize fruit	USN-6	As a user, I can choose the fruit type	1	Low	Hemalatha M A
Sprint-4	Recognize fruit type	USN-7	As a user, I can recognize the selected fruit in the output and recognize its benefits.	2	High	Harini T, Akhila B
Sprint-4	Recognize fruit colour	USN-8	As a user, I can recognize the fruit colour in the dataset and differentiate it with others.	2	High	Hemalatha M A, Kaneshka Sre R S

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.

