Project Planning Phase

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

Date	26 October 2022
Team ID	PNT2022TMID51161
Project Name	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	Registration	USN-1	User can register for the application by entering user name and entering a strong password.	2	High	Muthupandian G
Sprint-1	Login	USN-2	User can login to the application by entering user name and password	1	high	Balasubramanian A
Sprint-2	Upload image	USN-3	User can input the food images into the application's document	1	high	Mohanlal S
Sprint-2	Prediction	USN-4	User can predict the image	1	medium	Muthupandian G
Sprint-3	Recognize fruit	USN-5	User can choose their fruit type	1	medium	Mohanlal S
Sprint-3	Recognize fruit type	USN-6	User can recognize their selected fruit in the output, and recognize it and its benefits	1	medium	Balasubramanian A
Sprint-4	Recognize fruit data	USN-7	User can recognize the fruit colour in the dataset and differentiate it with others	1	high	Vasu Deva Krishna Rayan K

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)

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

Burndown chart: