Project Planning Phase

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

Date	29 October 2022
Team ID	PNT2022TMID43392
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		USN-2	Must be able to access fruits from drop down list to check the nutritional value contained in the fruit.	5	Medium	
Sprint-1		USN-3	The classified nutritional value of fruit (which was given as input) must be displayed.	15	High	
Sprint-2	Main Interface	USN-5	Provision of appropriate interface in order to allow all device to access the website.	10	High	
Sprint-2	Feedbacks, chatbot	USN-6	Collect feedbacks from customers to check the comfort of using the website.	10	High	
Sprint-3		USN-4	Camera access must be enabled to the user's device, so as to get fruit picture as input, which will be analysed further.	10	High	
Sprint-3	Dashboard	USN-7	To look after all operations and regular check to ensure accurate working of website.	10	High	
Sprint-4		USN-1	Actual service from backend to ensure efficient usage of website with uninterrupted internet facility and should be able to work in minimum network traffic also.	15	High	
Sprint-4	Internet connectivity	USN-8	Suggest small exercise for physical fitness awareness	5	Medium	

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	28 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	23	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	16	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	18	18 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)

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