

Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID12370
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	Registration	USN-1	By entering my email id and password I can register as a user	4	High	LEENA VELNI.S UMA MAHESWARI.N RAKSHANA.M NITHYA SHRI.J
Sprint-1	Registration	USN-2	As a user, I can log into the application by entering email & password	4	High	LEENA VELNI.S UMA MAHESWARI.N RAKSHANA.M NITHYA SHRI.J
Sprint-2	Login	USN-3	As a user I can view my food intake by clicking photo of the food I eat	4	High	LEENA VELNI.S UMA MAHESWARI.N RAKSHANA.M NITHYA SHRI.J
Sprint-3	Upload an image and analyze it	USN-4	As a user, I can take care of all the operations which take place and analyze its nutritional facts	4	High	LEENA VELNI.S UMA MAHESWARI.N RAKSHANA.M NITHYA SHRI.J
Sprint-4	Customer record	USN-6	Nutrition database provides daily plan for the betterment of the user	4	High	LEENA VELNI.S UMA MAHESWARI.N RAKSHANA.M NITHYA SHRI.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	20	6 Days	28 Oct 2022	03 Nov 2022	20	3 Nov 2022
Sprint-2	20	6 Days	02 Nov 2022	07 Nov 2022	20	7 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	13 Nov 2022		
Sprint-4	20	6 Days	13 Nov 2022	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)

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