

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

Date	23 June 2025
Team ID	LTVIP2025TMID41277
Project Name	Smart sorting
Maximum Marks	5 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	Image Upload	USN-1	As a user, I can upload an image of a fruit/vegetable.	3	High	1
Sprint-1	Prediction	USN-2	As a user, I can get a classification result (fresh or rotten).	5	High	3
Sprint-2	Confidence Score	USN-3	As a user, I can see the model's confidence level in prediction.	3	Medium	2
Sprint-2	Error Handling	USN-4	As a user, I get an error message if the uploaded file is invalid.	2	Medium	4
Sprint-3	UI Improvement	USN-5	As a user, I see a responsive, user-friendly interface.	4	Medium	5
Sprint-3	Result Logging	USN-6	As a user, I can view previous predictions (locally for now).	5	Low	1

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	8	5 Days	14 June 2025	18 June 2025	8	18 June 2025
Sprint-2	5	5 Days	19 June 2025	23 June 2025	5	23 June 2025
Sprint-3	7	4 Days	24 June 2025	27 June 2025	7	27 June 2025

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)

The team's average velocity across sprints is:

$$(8 + 5 + 7) / 3 = 6.67 \text{ story points per sprint}$$