Project Planning Phase

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

Date	20 FEB 2026
Team ID	LTVIP2026TMIDS38627
Project Name	Smart sorting: transfer Learning For Identifying Rotten Fruits and Vegetables
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	Registration	USN-1	As a user, I can register using email/password	2	High	Member 1
Sprint-1		USN-2	As a user, I receive a confirmation email after registering	1	High	Member 1
Sprint-1		USN-3	As a user, I can register using Gmail	2	Medium	Member 1
Sprint-1	Login	USN-4	As a user, I can log in with email & password	1	High	Member 1
Sprint-2	Image Upload	USN-5	As a user, I can upload an image of fruit/vegetable	2	High	Member 2

Sprint-2		USN-6	As a user, I can upload multiple images at once	3	Medium	Member 2
Sprint-2	Model Classification	USN-7	As a user, I can get a result (fresh/rotten) after image upload	3	High	Member 3
Sprint-2		USN-8	As a user, I can view classification confidence (e.g.	2	Medium	Member 3

			92% rotten)			
Sprint-3	Admin Module	USN-9	As an admin, I can manage the dataset (add/remove training images)	3	High	Member 4
Sprint-3		USN-10	As an admin, I can trigger model retraining	3	Medium	Member 4
Sprint-3	Dashboard	USN-11	As a user, I can see my past predictions and feedback history	2	Medium	Member 1
Sprint-4	Feedback	USN-12	As a user, I can give feedback on the accuracy of results	2	Medium	Member 1

Sprint-4	Reporting	USN-13	As a user, I can download a summary report of results (CSV/PDF)	2	low	Member 4

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	6	6 Days	May 1,2025	May 6,2025	6	May 6,2025
Sprint-2	10	6 Days	May 8,2025	May 13,2025	10	May 13,2025
Sprint-3	8	6 Days	May 15,2025	May 20,2025	8	May 20,2025
Sprint-4	4	6 Days	May 22,2025	May 27,2025	4	May 27,2025
Sprint-5	6	6 Days	June 3, 2025	June 8, 2025	6	June 8, 2025
Sprint-6	6	6 Days	June 10, 2025	June 15, 2025	6	June 15, 2025
Sprint-7	4	6 Days	June 17, 2025	June 22, 2025	4	June 22, 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)

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.

Burndown Chart for Smart Sorting Project