

Project Planning Phase

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

Date	18 February 2026
Team ID	LTVIP2026TMIDS62006
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	
Sprint-1		USN-2	As a user, I will receive a confirmation email after registration.	1	High	
Sprint-1		USN-3	As a user, I can register using gmail.	2	Low	
Sprint-1	Login	USN-4	As a user, I can log in with email & password.	1	Medium	
Sprint-2	Image Upload	USN-5	As a user, I can upload an image of a fruit / vegetable.	2	High	
Sprint-2		USN-6	As a user, I can upload multiple images at once.	3	High	Akhila,Asha ,Lokesh,Ganapathi
Sprint-2	Model Classification	USN-7	As a user, I can get a result(fresh/ rotten) after image upload.	3	High	Akhila,Asha, Lokesh,Ganapathi
Sprint-2		USN-8	As a user, I can view classification confidence.	2	Medium	Akhila,Asha ,Lokesh,Ganapathi
Sprint-3	Admin Module	USN-9	As an admin, I can manage the dataset (add/remove training images)	3	Medium	Akhila,Asha, Lokesh,Ganapathi
Sprint-3		USN-10	As an admin, I can trigger model retraining.	3	Medium	Akhila,Asha, Lokesh,Ganapathi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Dashboard	USN-11	As a user, I can see my past predictions and feedback history.	2	Medium	Akhila,Asha, Lokesh,Ganapathi
Sprint-4	Feedback	USN-12	As a user, I can give feedback on the accuracy of results.	2	Medium	Akhila,Asha, Lokesh,Ganapathi
Sprint-4	Reporting	USN-13	As a user, I can download a summary report of results(CSV/ PDF)	2	Medium	Akhila,Asha, Lokesh,Ganapathi

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	2 Days	5 February 2026	7 February 2026	20	22 June 2025
Sprint-2	20	3 Days	7 February 2026	10 February 2026	20	26 June 2025
Sprint-3	20	3 Days	10 February 2026	13 February 2026	20	30 June 2025
Sprint-4	20	1 Day	13 February 2026	14 February 2026	20	1 July 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)

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

Burndown Chart:

A burndown 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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>
<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management>
<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>
<https://www.atlassian.com/agile/tutorials/epics>
<https://www.atlassian.com/agile/tutorials/sprints>
<https://www.atlassian.com/agile/project-management/estimation>
<https://www.atlassian.com/agile/tutorials/burndown-charts>

Ideal Remaining Points vs Day

