

Project Planning Phase

Date: 28 June 2025
Team ID: LTVIP2024TMID41474
Project Name: Smart Sorting Web Application
Maximum Marks: 5 Marks

1. Product Backlog, Sprint Schedule, and Estimation (4 Marks)

2 Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	US-1	Collect and organize the image dataset	2	High	
Sprint-1	Data Collection	US-2	Load and inspect dataset before training	1	High	
Sprint-1	Data Preprocessing	US-3	handle missing values in the dataset	3	Medium	
Sprint-1	Data Preprocessing	US-4	convert categorical labels into usable form.	2	Medium	
Sprint-2	Model Building	US-5	build a CNN model to classify fruits/vegetables.	5	High	
Sprint-2	Model Evaluation	US-6	test model accuracy on unseen data.	3	High	
Sprint-2	Deployment	US-7	upload an image and see prediction result in UI	3	High	
Sprint-2	Deployment	US-8	deploy the model using Flask.	5	High	

2. Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint Schedule:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	8	5 Days	18 June 2025	28 June 2025	8	28 June 2025
Sprint-2	16	5 Days	24 June 2025	24 June 2025	16	28 June 2025

Velocity:

Velocity = Total Story Points Completed / Number of Sprints

Velocity = $(8 + 16) / 2 = 24 / 2 = 12$ Story Points per Sprint

Average Velocity per Day = $12 / 5 = 2.4$ Story Points per Day
Burndown Chart – Sprint 1
(Example):

Day	Story Points Remaining
Day 0	8
Day 1	6
Day 2	5
Day 3	3
Day 4	1
Day 5	0

References

- <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>
- <https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>