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

Date	28 June 2025
Team ID	LTVIP2025TMID29321
Project Name	Garbage Management System
Maximum Marks	5 Marks

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 by entering my email, password, and confirming password	2	High	Farooq
Sprint-1		USN-2	As a user, I will receive confirmation email once I register	1	High	Nikhitha
Sprint-1		USN-4	As a user, I can register through Gmail	2	Medium	Lal Chand
Sprint-1	Login	USN-5	As a user, I can log in with email & password	1	High	Ibrahim
Sprint-2	Registration	USN-3	As a user, I can register through Facebook	2	Low	Farooq
Sprint-2	Profile	USN-6	As a user, I can edit my profile information including name and phone number	3	Medium	Nikhitha

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Profile	USN-7	As a user, I can upload a profile picture	2	Medium	Ibrahim
Sprint-3	Dashboard	USN-8	As a user, I can view a personalized dashboard after login	3	High	Lal Chand
Sprint-3	Dashboard	USN-9	As a user, I can see recent activity and notifications	3	High	Farooq
Sprint-3	Settings	USN-10	As a user, I can change application settings	2	Medium	Nikhitha
Sprint-4	Security	USN-11	As a user, I can reset my password via email	3	High	Ibrahim
Sprint-4	Security	USN-12	As a user, I will be logged out automatically after inactivity	2	Medium	Farooq
Sprint-4	Support	USN-13	As a user, I can contact support through an in-app form	3	Low	Lal Chand
Sprint-4	Notifications	USN-14	As a user, I receive push notifications for important updates	2	Medium	Nikhitha

Total Story Points per Sprint = 8

Project Tracker, Velocity & Burndown Chart

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	24 June 2025	29 June 2025	6	29 June 2025
Sprint-2	7	6 Days	01 July 2025	06 July 2025	7	06 July 2025
Sprint-3	8	6 Days	08 July 2025	13 July 2025	7	14 July 2025
Sprint-4	8	6 Days	15 July 2025	20 July 2025	8	20 July 2025

Team Velocity: ~7-8 story points per sprint

You can plot a **Burndown Chart** with cumulative story points (29) reducing per sprint as: 29 → 23 → 16 → 8 → 0

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)

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

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.

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