

Project Planning Phase

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

Date	12 June 2025
Team ID	LTVIP2025TMID33015
Project Name	Traffic Telligence: Advanced Traffic Volume Estimation with Machine Learning
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 for the application by entering my email, password, and confirming my password.	2	High	A, B
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	B
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	C
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	A
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	B

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Dashboard	USN-6	As a user, I can view personalized product recommendations on my dashboard.	3	High	C
Sprint-3	Skin Analysis	USN-7	As a user, I can upload a selfie to get skin type and condition analysis.	4	High	A, C
Sprint-4	Product Search	USN-8	As a user, I can search for products by category, branch, or skin concern.	3	Medium	B, C
Sprint-4	Feedback	USN-9	As a user, I can provide feedback for recommended products.	2	Medium	A

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	8	16 June 2025	18 June 2025	8	18 June 2025
Sprint-2	5	19 June 2025	22 June 2025	5	22 June 2025
Sprint-3	4	23 June 2025	25 June 2025	4	25 June 2025
Sprint-4	5	25 June 2025	26 June 2025	5	26 June 2025

Velocity:

Average velocity per Sprint = $(8+5+4+5)/4 = 5.5$ SP/sprint

Average velocity per Day = $5.5 / 6 = 0.92$ SP/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.

<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>