Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	27 June 2025
Team ID	LTVIP2025TMID59888
Project Name	HematoVision: Advanced Blood Cell Classification Using Transfer Learning
Maximum Marks	5 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Image Upload & UI	USN-1	As a user, I can upload a blood cell image via a web form.	2	High	Chaitanya, Mokshagna
Sprint-1	Model Inference	USN-2	As a user, I can submit the image and get a predicted blood cell class.	3	High	Sadiya, Charan Sai
Sprint-1	Display Result	USN-3	As a user, I can view the predicted class along with the uploaded image.	2	High	Chaitanya, Sadiya
Sprint-2	Retry & Navigation	USN-4	As a user, I can re-upload another image after seeing a result.	1	Medium	Mokshagna, Charan Sai
Sprint-2	File Handling	USN-5	As an admin, I want uploaded files to be stored temporarily and cleared after use.	2	Medium	Chaitanya, Charan Sai

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	7	6 Days	19 June 2025	24 June 2025	7	24 June 2025
Sprint-2	3	6 Days	25 June 2025	30 June 2025	3	30 June 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)

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

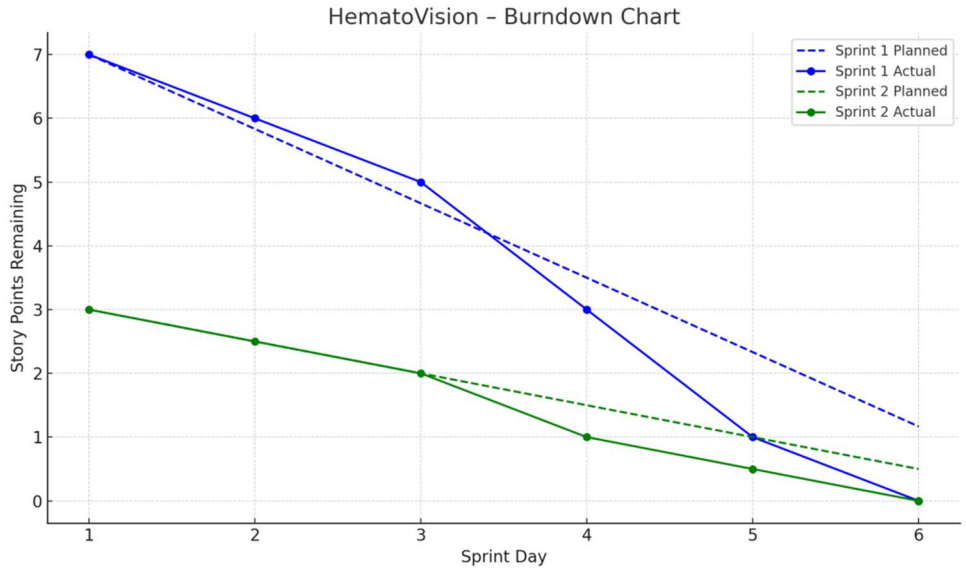
- Sprint-1: 7 story points / 6 days ≈ 1.17 points/day
- Sprint-2: 3 story points / 6 days = 0.5 points/day
- **Average Velocity:** ≈ 0.84 points/day

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:

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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