Project Planning Phase

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

Date	27 June 2025
Team ID	LTVIP2025TMID59787
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	System Overview	USN-1	As a lab technician, I want to upload a blood smear image so that I can automatically classify blood cells.	2	High	Jahnavi,Swathi
Sprint-1	Image Upload	USN-2	As a hematologist, I want to see highlighted or labeled cells in the uploaded image so that I can easily verify the classification.	1	High	Prasad,Tharunya
Sprint-2	Image Preprocessing	USN-3	As a doctor, I want to see the confidence score for each predicted cell type so that I can assess how reliable the prediction	2	Low	Tharunya,Jahnavi
Sprint-3	Cell Classification	USN-4	As a medical practitioner, I want the system to flag potential abnormal or rare cells so that I can prioritize further investigation	2	Medium	Swathi,Prasad

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	6 Days	9-jun-2025	12-jun-2025	20	9-jun-2025
Sprint-2	40	6 Days	13-jun-2025	20-jun-2025	20	13-jun-2025
Sprint-3	30	6 Days	21-jun-2025	24-jun-2025	20	21-jun-2025
Sprint-4	20	6 Days	24-jun-2025	27-jun-2025	20	26-jun-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)

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