

## Project Planning Phase

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

Date	15 February 2026
Team ID	LTVIP2026TMIDS49741
Project Name	HematoVision: Advanced Blood Cell Classification Using Transfer 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 developer, I can collect the Haemovision blood cell image dataset for training the model.	2	High	DATA Team
Sprint-1		USN-2	As a developer, I can load and organize the dataset into training and testing folders.	1	High	DATA Team
Sprint-2		USN-3	As a developer, I can handle missing or corrupted image files in the dataset.	2	Low	DATA Team
Sprint-1		USN-4	As a developer, I can resize and normalize images to fit CNN model input requirements.	2	Medium	DATA Team
Sprint-1	Login	USN-5	As a developer, I can apply data augmentation techniques such as rotation and flipping to improve model performance.	1	High	ML Team
	Dashboard					

**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	2 Days	5 Feb 2026	06 Feb 2026	8	06 Feb 2026
Sprint-2	20	2 Days	07 Feb 2026	08 Feb 2026	8	08 Feb 2026
Sprint-3	20	2 Days	09 Feb 2026	10 Feb 2026	8	10 Feb 2026
Sprint-4	20	2 Days	11 Feb 2026	12 Feb 2026	8	12 Feb 2026

**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)

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

### **Velocity Calculation :**

Total Story Points = 32

Number of Sprints = 4

Velocity =  $32 / 4$

Velocity = 8 Story Points per Sprint

Average velocity per day:

8 Story Points / 2 Days = 4 Story Points per 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>