

## Project Planning Phase

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

Date	26 June 2025
Team ID	LTVIP2025TMID46251
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	Data Collection & Preprocessing	USN-1	As a developer, I want to collect and preprocess blood cell images so the model can be trained effectively.	3	High	Marripudi Varshini, Pesala Balasaraswathimeghana
Sprint-1	Model Building	USN-2	As a developer, I want to build and train a CNN using MobileNetV2 for blood cell classification.	5	High	Mannepalli Bala Praharsha, Reddy Venkata Sai Sidhardha
Sprint-2	Model Evaluation	USN-3	As a developer, I want to evaluate the model's performance to ensure accuracy and reliability.	2	Medium	Pesala Balasaraswathimeghana
Sprint-2	Flask Integration	USN-4	As a user, I want to upload an image and get prediction results via a web UI built with Flask.	3	High	Mannepalli Bala Praharsha, Marripudi Varshini
Sprint-2	Frontend Design	USN-5	As a user, I want a simple UI to upload images and view predictions clearly.	2	Medium	Reddy Venkata Sai Sidhardha, Pesala Balasaraswathimeghana
Sprint-3	Testing & Debugging	USN-6	As a developer, I want to test the full application to ensure all components work correctly.	3	High	Entire Team
Sprint-3	Documentation	USN-7	As a team, we want to prepare documentation to explain project flow, tech stack, and usage.	1	High	Entire Team