

Project Planning Phase

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

Date	27 June 2025
Team ID	LTVIP2025TMID40716
Project Name	Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management
Maximum Marks	5 Marks

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

Product backlog and sprint schedule:

Sprint	Functional Requirements	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-I	Dataset Preparation	USN-1	As a data scientist, I will collect and clean the poultry disease dataset	3	High	Vemuri Chandana
Sprint-I	Preprocessing	USN-2	As a developer, I will resize and normalize poultry images	2	High	Vemuri Chandana
Sprint-2	Model Building	USN-3	As a developer, I will build a CNN using transfer learning(VGG16)	3	High	Vemuri Chandana
Sprint-2	Model Training	USN-4	As a developer, I will train and evaluate the model on the dataset	3	High	Vemuri Chandana
Sprint-3	Fine-Tuning	USN-5	As a developer, I will fine-tune the last layers of VGGI 6 for higher accuracy	2	High	Shaik Farhin Sulthana
Sprint-3	Deployment	USN-6	As a developer, I will deploy the model via a web interface for user interaction.	3	High	Shaik Farhin Sulthana
Sprint-4	Flask Web UI	USN-7	As a user, I will upload an image and get prediction results via Flask app	3	High	Full team
Sprint4	Report Generation	USN-8	As a team, we will prepare screenshots and reports	2	High	Full team

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-I	5	5 Days	4 June 2025	8 June 2025	5	10 June 2025
Sprint-2	6	5 Days	10 June 2025	15 June 2025	6	15 June 2025
Sprint-3	5	5 Days	16 June 2025	21 June 2025	5	21 June 2025
Sprint-4	5	5 Days	22 June 2025	27 June 2025	5	27 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) = $\frac{\text{sprint duration}}{218} = 2$ velocity