

Project Planning Phase

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

Date	15 February 2025
Team ID	LTVIP2025TMID43995
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)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Preparation	USN-1	As a user, I want to collect poultry disease image and symptom data from reliable sources.	2	High	Member 1
Sprint-1	Data Preparation	USN-2	As a user, I want to load and organize the dataset into the project.	1	High	Member 2
Sprint-1	Data Preprocessing	USN-3	As a user, I want to handle missing values in data.	3	Medium	Member 3
Sprint-1	Data Preprocessing	USN-4	As a user, I want to encode categorical values for model compatibility.	2	Medium	Member 4
Sprint-2	Model Building	USN-5	As a user, I want to build and train a deep learning model using transfer learning.	5	High	Member 1
Sprint-2	Model Building	USN-6	As a user, I want to test and evaluate the model performance.	3	High	Member 2
Sprint-2	Deployment	USN-7	As a user, I want to access a functional HTML interface for the web app.	3	Medium	Member 3
Sprint-2	Deployment	USN-8	As a user, I want the model deployed via Flask so it can be accessed online.	5	High	Member 4

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-1	8	5 Days	19 June 2025	24 Feb 2025	8
Sprint-2	16	5 Days	22 2025	27 Feb 2025	16

Velocity = Total Story Points Completed / Number of Sprints = 24 / 2 = 12 Story Points per Sprint