

Project Planning Phase

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

Date	26 JUNE 2025
Team ID	LTVIP2025TMID44653
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)

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	Data Collection	USN-1	Collection of Data Loadig of Data	5	Hlgh	1.Donda Nagamma 2.Bharath Chilaka
Sprint-1	Data Preprocessing	USN-2	Handling Missing Values Handling Categorical Values	4	Medium	1.Banavath Saikishor Naik 2..Battula Benarjibabu
Sprint-2	Model Building	USN-3	Model building	5	High	1.Donda Nagamma

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						2. Bharath Chilaka 3.Banavath Saikishor Naik
Sprint-2	Disease Prediction	USN-4	As a user, I can receive a prediction of the poultry disease from the uploaded image.	5	High	1.Donda Nagamma 2. Banavath Saikishor Naik 3.Battula Benarjibabu 4. Bharath Chilaka
Sprint-3	UI Design	USN-5	As a user, I will see a simple and clear web interface to upload images and view predictions.	3	Medium	1.Donda Nagamma 2. Banavath Saikishor Naik 3.Battula Benarjibabu
Sprint-3	Model Integration	USN-6	As a developer, I will integrate the pretrained deep learning model into the web application.	3	Medium	1. Banavath Saikishor Naik 2..Battula Benarjibabu

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						3. Bharath Chilaka
Sprint-3	Deployment	USN-7	As a developer, I can deploy my web app and do a successful hosting	3	Medium	1.Donda Nagamma 2. Banavath Saikishor Naik 3.Battula Benarjibabu 4. Bharath Chilaka

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	18 June 2025	20 June 2025	20	20 June 2025
Sprint-2	20	6 Days	20 June 2025	22 June 2025	18	22 June 2025
Sprint-3	20	6 Days	23 June 2025	25 June 2025	19	25 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)

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

Total Sprints=3 Sprint Duration=2 Days Total Story Points = 57

Total Sprints=3 Sprint Duration=2 Days Total Story Points = 57

Velocity=Total Story Points/ Number of Sprints

Velocity=57/3=19

My team's velocity is 19 Story Points per Sprint.

3 sprints × 2 days = 6 total days

Average Velocity=Sprint Duration/Total Days

Average Velocity=57/6

Average Velocity=9.15 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.

