Project Planning Phase

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

Date	15 May 2025
Team ID	LTVIP2025TMID43861
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)

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	Image Upload Module	USN-1	As a user (farmer), I can upload poultry images via mobile/web app.	2	High	Muppala Vaishnavi
Sprint-1	Disease Classification	USN-2	As a user, I want the system to classify the poultry disease using the uploaded image	3	High	Muppala Vaishnavi
Sprint-2	Result Display	USN-3	As a user, I want to view the disease classification result immediately after submission	1	High	Muppala Vaishnavi
Sprint-2	Historical Records	USN-4	As a user, I want to view previously uploaded images and their classification results	2	Medium	Muppala Vaishnavi
Sprint-2	Notifications	USN-5	As a user, I want to get health alerts or notifications if the disease is harmful	2	Medium	Muppala Vaishnavi
Spirit-3	Admin Dashboard	USN-6	As an admin, I want to view all disease reports by region, time, and type of disease	3	Low	Muppala Vaishnavi
Spirit-4	Model update(Transfer learning)	USN-7	As a developer, I want to periodically update the model with new labeled data to improve classification accuracy	5	Medium	Muppala Vaishnavi

Project Tracker, Velocity & Burndown Chart: (4 Marks)

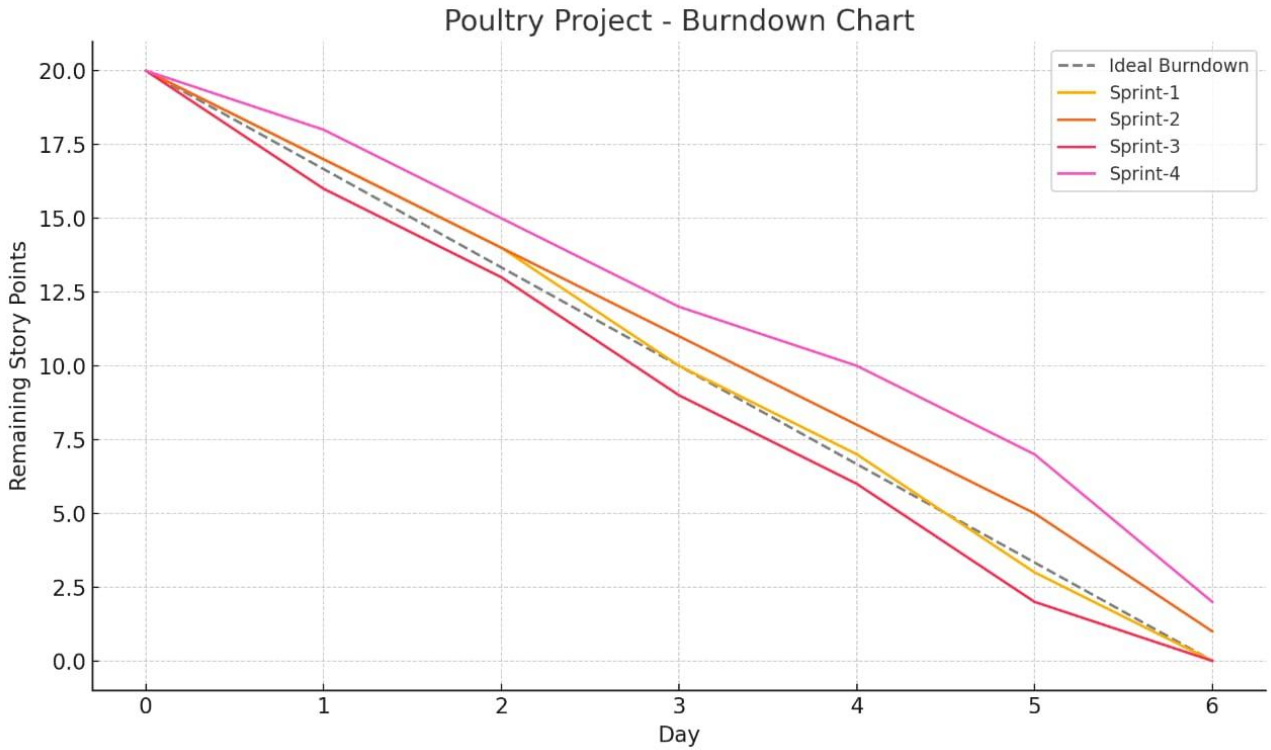
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 May 2025	29 May 2025	20	29 May 2025
Sprint-2	20	6 Days	31 May 2025	05 June2025	20	05 June 2025
Sprint-3	20	6 Days	07 June 2025	12 June 2025	20	12 June 2025
Sprint-4	20	6 Days	14 June 2025	19 June 2025	20	19 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)

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

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
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