

## Project Planning Phase

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

Date	27 June 2025
Team ID	LTVIP2025TMID34246
Project Name	Transfer Learning-Based on 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	Image Upload & Prediction	USN-1	As a user, I can upload a poultry image to the system for analysis.	3	High	4
Sprint-1	Image Upload & Prediction	USN-2	As a user, I can receive a predicted disease result based on the uploaded image.	2	High	4
Sprint-2	UI/UX Enhancements	USN-3	As a user, I can see my uploaded image and prediction clearly displayed in a user-friendly layout.	2	Medium	4
Sprint-2	About & Contact Pages	USN-4	As a user, I can view application information and contact details.	1	Low	4
Sprint-3	Model Training	USN-5	As a developer, I can train and validate a ResNet50 model for poultry disease classification.	5	High	4
Sprint-4	Error Handling	USN-6	As a user, I am shown an appropriate message if I upload an invalid file.	1	Medium	4
Sprint-4	Final Integration	USN-7	As a team, we will integrate frontend, backend, and model with full testing.	6	High	4

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	5	6 Days	01 June 2025	06 June 2025	5	06 June 2025
Sprint-2	3	6 Days	07 June 2025	12 June 2025	3	12 June 2025
Sprint-3	5	6 Days	13 June 2025	18 June 2025	5	18 June 2025
Sprint-4	7	6 Days	19 June 2025	24 June 2025	7	24 June 2025

**Velocity:**

- **Total Completed Story Points in Sprint-1: 5**
- **Duration: 6 Days**
- **Velocity =  $5 \div 6 = \sim 0.83$  story points/day**

**Burndown Chart:**

**X-Axis: Time (Sprint days)**

**Y-Axis: Remaining Story Points**

- **Day 0: 20 points**
- **Day 1: 17 points**

- Day 2: 14 points
- Day 3: 10 points
- Day 4: 6 points
- Day 5: 3 points
- Day 6: 0 points ✓

Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>