**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 |

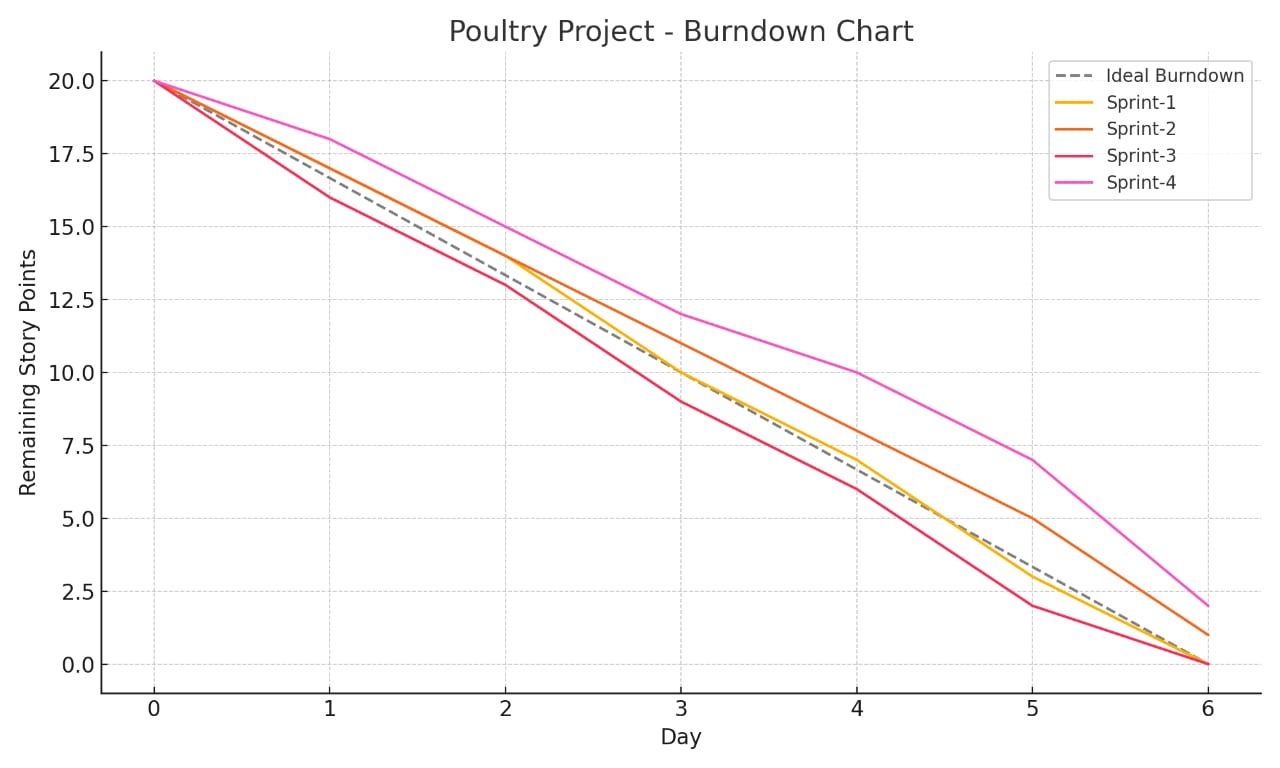
**Velocity:**

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)



**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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). 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.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](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/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics)

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[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)