**Project Planning Phase**

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

| Date | 26 june 2025 |
| --- | --- |
| Team ID | LTVIP2025TMID33880 |
| Project Name | Transfer Learning-Based Classification Of PoultryDiseases 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 | Dataset Collection & Preprocessing | USN-1 | As a user, I want to collect and clean poultry disease image data from reliable sources to ensure high-quality input for the model. | 3 | High | Muppana Bala Charishma  N Siva Durga Prasad  Alli Susmitha Swathi  Atchanala Venkata Sai Gopi Nadh |
| Sprint-1 | Model Design | USN-2 | As a developer, I want to select and configure a suitable pretrained model (e.g., ResNet, VGG) for transfer learning. | 2 | High | Muppana Bala Charishma N Siva Durga Prasad Alli Susmitha Swathi Atchanala Venkata Sai Gopi Nadh |
| Sprint-2 | Training & Evaluation | USN-3 | As a developer, I want to train the model on the dataset and evaluate its performance using accuracy, precision, and recall | 3 | medium | Muppana Bala Charishma  N Siva Durga Prasad  Alli Susmitha Swathi  Atchanala Venkata Sai Gopi Nadh |
| Sprint-2 | Web/Mobile Interface | USN-4 | As a user, I want a simple interface (web or mobile) to upload poultry images and get disease predictions | 2 | Medium | Muppana Bala Charishma  N Siva Durga Prasad  Alli Susmitha Swathi  Atchanala Venkata Sai Gopi Nadh |
| Sprint-3 | Result Display & Reporting | USN-5 | As a user, I want to see the classification result along with confidence score and suggested remedies for the identified disease. | 1 | High | Muppana Bala Charishma  N Siva Durga Prasad  alli Susmitha Swathi  Atchanala Venkata Sai Gopi Nadh |
| Sprint-3 | Feedback System & Model Improvement | USN-6 | As a system admin, I want to allow feedback to help retrain the model and improve its accuracy over time. | 2 | Medium | Muppana Bala Charishma  N Siva Durga Prasad  Alli Susmitha Swathi  Atchanala Venkata Sai Gopi Nadh |
| Sprint-3 | Dashboard | USN-7 | As a user, I want to view a dashboard with analytics on diseases detected, trends, and historical performance. | 2 | Low | Muppana Bala Charishma  N Siva Durga Prasad  Alli Susmitha Swathi  Atchanala Venkata Sai Gopi Nadh |
|  |  |  |  |  |  |  |

**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 | 15 june 2025 | 20 june 2025 | 20 | 20 june 2025 |
| Sprint-2 | 20 | 6 Days | 17 june 2025 | 22 june 2025 | 20 | 22 june 2025 |
| Sprint-3 | 20 | 6 Days | 19 june 2025 | 24 june 2025 | 20 | 24 june 2025 |
| Sprint-4 | 20 | 6 Days | 21 june 2025 | 26 june 2025 | 20 | 26 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)