**Project Planning Template**

Project Planning Phase

|  |  |
| --- | --- |
| Date | Date: 26 June 2025 |
| Team ID | Team ID: LTVIP2025TMID44725 |
| Project Name | Poultry Disease Detection Using Transfer Learning |
| 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 |
| Data Collection | USN-1 | As a researcher, I want to collect poultry disease images from verified sources. | 3 | High | Kandera Naga Prudhvi Sai | Sprint-1 |
| Data Preprocessing | USN-2 | As a data engineer, I need to preprocess images to enhance model accuracy. | 2 | Medium | Poondla Divya Lakshmi | Sprint-1 |
| Model Training | USN-3 | As a developer, I want to apply transfer learning using VGG16. | 5 | High | Medida Gangothri | Sprint-2 |
| Model Evaluation | USN-4 | As a QA, I want to test model accuracy using test dataset. | 3 | High | Pasupuleti Venkata Aneesha | Sprint-3 |
| Deployment | USN-5 | As an admin, I want to deploy the model to a cloud platform. | 4 | Medium | Kandera Naga Prudhvi Sai | Sprint-4 |

**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-1 | 10 | 6 Days | 01 July 2025 | 06 July 2025 | 10 |
| Sprint-2 | 10 | 6 Days | 07 July 2025 | 12 July 2025 |  |
| Sprint-3 | 10 | 6 Days | 13 July 2025 | 18 July 2025 |  |
| Sprint-4 | 10 | 6 Days | 19 July 2025 | 24 July 2025 |  |

**Velocity:**

Assume a 6-day sprint duration. Team velocity = 10 story points per sprint.

Average Velocity (AV) = Total Points Completed / Sprint Days = 10 / 6 ≈ 1.67 points/day

**Burndown Chart:**

A burn down chart is a graphical representation of work left to do versus time.

Sprint-1 Burndown Chart

