**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID40145 |
| 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)**

| **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 | 5 | 6 Days | 01 June 2025 | 06June 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 ÷ 6 = ~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/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/project-management/estimation**](https://www.atlassian.com/agile/project-management/estimation)

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