**Project Planning Phase**

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

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| Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management |

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| --- | --- |
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID60871 |
| 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)**

**Sprint Functional Requirement (Epic) User Story Number User Story / Task Story Points Priority Team Members**

**Sprint-1 Registration USN-1 As a user, I can register for the poultry health system using email, password, and confirmation 2 High**

**Sprint-1 USN-2 As a user, I will receive a confirmation email after registration 1 High**

**Sprint-2 USN-3 As a user, I can register using Facebook for easier access to poultry health tracking 2 Low**

**Sprint-1 USN-4 As a user, I can register using Gmail credentials 2 Medium**

**Sprint-1 Login USN-5 As a user, I can log into the health management app using email and password 1 High**

**Sprint-2 Disease Detection Dashboard USN-6 As a user, I can upload images of poultry to get disease classification results 5 High**

**Sprint-2 USN-7 As a user, I can view detected disease name, probability score, and suggested actions 4 High**

**Sprint-3 Data Insights and Analytics USN-8 As a user, I can view trends of common poultry diseases based on historical data 2 Medium**

**Sprint-3 Feedback Module USN-9 As a user, I can provide feedback on prediction accuracy and system usability 1 Medium**

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

**📊 Sprint Tracker**

**Sprint Total Story Points Duration Sprint Start Date Sprint End Date (Planned) Story Points Completed Sprint Release Date (Actual)**

**Sprint-1 6 6 Days 24 Oct 2022 29 Oct 2022 6 29 Oct 2022**

**Sprint-2 11 6 Days 31 Oct 2022 05 Nov 2022 11 05 Nov 2022**

**Sprint-3 3 6 Days 07 Nov 2022 12 Nov 2022 Planned Planned**

**Sprint-4 Planned 6 Days 14 Nov 2022 19 Nov 2022 Planned Planned**

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**🧮 Velocity Calculation (Health Management Context)**

**Let’s say:**

**Sprint-1 completed 6 points**

**Sprint-2 completed 11 points**

**Total Completed Points = 6 + 11 = 17**

**Number of Sprints = 2**

**✅ Velocity (Points/Sprint) = 17 / 2 = 8.5 Story Points per Sprint**

**If we measure velocity per day for a 6-day sprint:**

**✅ Average Velocity per Day = 8.5 / 6 = ~1.42 Story Points/Day**

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**📉 Burndown Chart Overview**

**Burndown chart tracks the remaining work (story points) across each sprint day.**

**Example – Sprint 2 (11 points total):**

**Day Ideal Remaining Work Actual Remaining Work**

**Day 0 11 11**

**Day 1 9.2 10**

**Day 2 7.4 8**

**Day 3 5.5 6**

**Day 4 3.6 4**

**Day 5 1.8 2**

**Day 6 0 0**

**📌 Interpretation: The team is progressing well and on track for timely delivery of disease detection features.**

**🔗 Tool Suggestions for Visual Chart:**

**Visual Paradigm Burndown Chart Tool**

**Atlassian Jira Agile Tools**

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**✅ Summary in Health Management Terms**

**Agile planning ensures:**

**Faster deployment of disease detection tools**

**Continuous progress tracking on key health features**

**Data-driven sprints that align with improving poultry wellness outcomes**

**Feedback loops to improve prediction accuracy and usability for farmers/vets**

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**Would you like this converted into:**

**Excel Sheet (for printing or submission)?**

**PowerPoint Slide Deck?**

**Editable Google Docs format?**

**Let me know, I can generate it instantly.**