# Project Planning Template – Smart Sorting

## Product Backlog and Sprint Schedule :

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint | Epic | User Story # | User Story / Task | Story Points | Priority | Team Members |
| Sprint-1 | Data Collection | US-1 | Collect images of fruits/vegetables from various sources | 2 | High |  |
| Sprint-1 | Data Labeling | US-2 | Label and verify images into fresh/rotten categories | 2 | High |  |
| Sprint-1 | Data Augmentation | US-3 | Apply image augmentation to balance dataset | 3 | Medium |  |
| Sprint-1 | Data Cleaning | US-4 | Remove corrupted/incomplete images | 3 | Medium |  |
| Sprint-2 | Model Training | US-5 | Use Transfer Learning (MobileNet/ResNet) to train model | 5 | High |  |
| Sprint-2 | Model Evaluation | US-6 | Evaluate model on unseen test data | 3 | High |  |
| Sprint-2 | Model Deployment | US-7 | Deploy model using Flask | 3 | Medium |  |
| Sprint-2 | Web UI | US-8 | Develop basic frontend for image upload & prediction | 5 | High |  |

## Sprint Tracker and Velocity

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sprint | Total Story Points | Duration | Start Date | End Date | Story Points Completed |
| Sprint-1 | 10 | 5 Days | 01 July 2025 | 05 July 2025 | 10 |
| Sprint-2 | 16 | 5 Days | 07 July 2025 | 11 July 2025 | 16 |

## Burndown Chart Summary

A burndown chart helps visualize work left against time. Each sprint should show a steady decline in remaining story points. For Smart Sorting, the chart tracks progress from 26 points to 0 across two sprints.

References:

- https://www.atlassian.com/agile/tutorials/sprints

- https://www.visual-paradigm.com/scrum/scrum-burndown-chart/