**Project Planning Phase**

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

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| --- | --- |
| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID59297 |
| Project Name | Smart sorting: transfer Learning For Identifying Rotten Fruits and Vegetables |
| 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 | Registration | USN-1 | As a user, I can register using email/password | 2 | High | Member 1 |
| Sprint-1 |  | USN-2 | As a user, I receive a confirmation email after registering | 1 | High | Member 1 |
| Sprint-1 |  | USN-3 | As a user, I can register using Gmail | 2 | Medium | Member1 |
| Sprint-1 | Login | USN-4 | As a user, I can log in with email & password | 1 | High | Member1 |
| Sprint-2 | Image Upload | USN-5 | As a user, I can upload an image of fruit/vegetable | 2 | High | Member 2 |
| Sprint-2 |  | USN-6 | As a user, I can upload multiple images at once | 3 | Medium | Member 2 |
| Sprint-2 | Model Classification | USN-7 | As a user, I can get a result (fresh/rotten) after image upload | 3 | High | Member 3 |
| Sprint-2 |  | USN-8 | As a user, I can view classification confidence (e.g. 92% rotten) | 2 | Medium | Member 3 |
| Sprint-3 | Admin Module | USN-9 | As an admin, I can manage the dataset (add/remove training images) | 3 | High | Member 4 |
| Sprint-3 |  | USN-10 | As an admin, I can trigger model retraining | 3 | Medium | Member 4 |
| Sprint-3 | Dashboard | USN-11 | As a user, I can see my past predictions and feedback history | 2 | Medium | Member 1 |
| Sprint-4 | Feedback | USN-12 | As a user, I can give feedback on the accuracy of results | 2 | Medium | Member 1 |
| Sprint-4 | Reporting | USN-13 | As a user, I can download a summary report of results (CSV/PDF) | 2 | low | Member 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 | 6 | 6 Days | May 1,2025 | May 6,2025 | 6 | May 6,2025 |
| Sprint-2 | 10 | 6 Days | May 8,2025 | May 13,2025 | 10 | May 13,2025 |
| Sprint-3 | 8 | 6 Days | May 15,2025 | May 20,2025 | 8 | May 20,2025 |
| Sprint-4 | 4 | 6 Days | May 22,2025 | May 27,2025 | 4 | May 27,2025 |
| Sprint-5 | 6 | 6 Days | June 3, 2025 | June 8, 2025 | 6 | June 8, 2025 |
| Sprint-6 | 6 | 6 Days | June 10, 2025 | June 15, 2025 | 6 | June 15, 2025 |
| Sprint-7 | 4 | 6 Days | June 17, 2025 | June 22, 2025 | 4 | June 22, 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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

