**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 26 june2025 |
| Team ID | LTVIP2025TMID34904 |
| 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 | Data Collection | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | |  | | --- | |  |  |  |  | | --- | --- | | Member 1 | | |  |  |  | | --- | |  | |
| Sprint-1 | Data Preprocessing | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | |  | | --- | |  |  |  | | --- | | Member 2 | |
| Sprint-2 | Data Preprocessing | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | |  | | --- | |  |  |  | | --- | | Member 3 | |
| Sprint-1 | Model Building | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | |  | | --- | |  |  |  | | --- | | Member 1 | |
| Sprint-1 | |  | | --- | |  |  |  | | --- | | Model Evaluation | | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | |  | | --- | |  |  |  | | --- | | Member 2 | |
|  | Dashboard |  |  |  |  |  |
| Sprint-2 | Deployment | |  | | --- | |  |  |  | | --- | | USN-6 | | |  | | --- | | As a user, I can deploy the trained model using Flask. |  |  | | --- | |  | | 5 | High | |  | | --- | | Member 3 |  |  | | --- | |  | |
| Sprint-2 | Frontend Design | USN-7 | |  | | --- | | As a user, I can view and upload images on a web interface (HTML, CSS). |  |  | | --- | |  | | 3 | medium | |  | | --- | | 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 | 20 | 6 Days | 24 may 2025 | 29 may2025 | 20 | 29 may 205 |
| Sprint-2 | 20 | 6 Days | 31 may 2025 | 05 may 2025 | 5 | 05 may 2025 |
| Sprint-3 | 20 | 6 Days | 07 june 2025 | 12 june 2025 | 6 | 07 june |
| Sprint-4 | 20 | 6 Days | 14 june 2025 | 19 june 2025 | 5 | 14 june |

**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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress over time.

[**https://www.visual-paradigm.com/scrum/scrum-burndown-chart/**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

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

**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)

[**https://www.atlassian.com/agile/tutorials/sprints**](https://www.atlassian.com/agile/tutorials/sprints)

[**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)