Project Planning Phase

Date: 15 May 2025

Team ID: LTVIP2025TMID35466

Project Name: Smart Sorting - Transfer Learning for Identifying Rotten Fruits and Vegetables

Maximum Marks: 4 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 application by entering my email, password, and confirming my password. | 2 | High |  |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High |  |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook | 2 | Low |  |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium |  |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High |  |

# 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 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | - | - |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | - | - |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | - | - |

## 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):  
Velocity = Total Story Points / Sprint Duration = 20 / 10 = 2 story points per day

## Burndown Chart

A burndown 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, burndown charts can be applied to any project containing measurable progress over time.  
  
**Useful references:**- https://www.visual-paradigm.com/scrum/scrum-burndown-chart/  
- https://www.atlassian.com/agile/tutorials/burndown-charts  
- 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/epics  
- https://www.atlassian.com/agile/tutorials/sprints  
- https://www.atlassian.com/agile/project-management/estimation