**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID15280 |
| Project Name | Project – DemandEst – AI Powered Food demand forecasting |
| Maximum Marks | 8 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 to the services provided by entering my username and password. | 5 | High | Mahalakshmi G |
| Sprint-1 | Login | USN-2 | User can login to the application anytime using username and password | 5 | High | Mahalakshmi G |
| Sprint -1 | Explore | USN-3 | Registered users can explore the various options available on the home page. | 10 | Medium | Munaga Purnasri LasyaPriya |
| Sprint-2 | User Manual | USN-4 | Registered users can skim over the user manual and can understand the functionalities. | 5 | Low | Monisha S |
| Sprint-2 | Predict | USN-5 | Registered users can pay and make predictions on the website. | 15 | Medium | Mahalakshmi G |
| Sprint-3 | Premium membership | USN-6 | Premium users can deposit money on the wallet in the application and make use of many discounts available. | 5 | High | Narindi Bagyasri |
| Sprint-3 | Survey | USN-7 | Admin conduct periodic surveys to keep track of food demands. | 15 | Medium | Narindi Bagyasri |
| Sprint-4 | Inventory | USN-8 | Admin should be able to alter or delete food options in the list. | 15 | Medium | Monisha S |
| Sprint-4 | Maintenance | USN-9 | Admin can edit the user’s details and premium valet management. | 5 | High | Mahalakshmi G |

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

AV= 20/10=2

# Burndown Chart:



