**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 11 November 2022 |
| Team ID | PNT2022TMID00524 |
| Project Name | Project – DemandEst - AI Powered Food Demand Forecaster |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Use the below template to create product backlog and sprint schedule

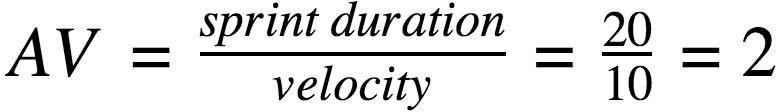
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-1 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | YAZHINI  SHIREEN VIRUKSHA VITHYA |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | YAZHINI  SHIREEN VIRUKSHA VITHYA |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | YAZHINI  SHIREEN VIRUKSHA VITHYA |
| Sprint-2 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | YAZHINI  SHIREEN VIRUKSHA VITHYA |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | YAZHINI  SHIREEN VIRUKSHA VITHYA |
| Sprint-1 | Dashboard | USN-6 | As a user, I can access the services and information provided in the dashboard | 2 | High | YAZHINI  SHIREEN VIRUKSHA VITHYA |
| Sprint-1 | Login | USN-7 | As a user, I can log into the web application and access the dashboard | 1 | High | YAZHINI  SHIREEN VIRUKSHA VITHYA |
| Sprint-4 | Helpdesk | USN-8 | As a user, I can get the guidance from the customer care | 1 | High | YAZHINI  SHIREEN VIRUKSHA VITHYA |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-3 | Management | USN-9 | As an administrator, I can collect new datasets and keep the model trained | 2 | High | YAZHINI  SHIREEN VIRUKSHA VITHYA |
| Sprint-3 |  | USN-10 | As an administrator, I can update other features of the application | 2 | Medium | YAZHINI  SHIREEN VIRUKSHA VITHYA |
| Sprint-3 |  | USN-11 | As an administrator, I can maintain the information about the user | 2 | Medium | YAZHINI  SHIREEN VIRUKSHA VITHYA |
| Sprint-4 |  | USN-12 | As an administrator, I can maintain third-party services | 1 | Low | YAZHINI  SHIREEN VIRUKSHA VITHYA |

**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 | 7 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 7 | 29 Oct 2022 |
| Sprint-2 | 4 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 4 | 05 Nov 2022 |
| Sprint-3 | 6 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 6 | 12 Nov 2022 |
| Sprint-4 | 2 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 2 | 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



AV (Sprint 1) = 7/6 = 1

AV (Sprint 2) = 4/6 = 1

AV (Sprint 3) = 6/6 = 1

AV (Sprint 4) = 2/6 = 1

AV (Total ) = 21/24 = 1

**Burndown Chart:**

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile [software development m](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)ethodologies 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.

