Project Planning Phase

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

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| --- | --- |
| Date | 03 November 2022 |
| Team ID | PNT2022TMID08854 |
| 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 | Balamurugan  Logesh  Tharun Balaji  Chethan kumar  Gokul |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Balamurugan  Logesh  Tharun Balaji  Chethan kumar  Gokul |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | Balamurugan  Logesh  Tharun Balaji  Chethan kumar  Gokul |
| Sprint-2 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Balamurugan  Logesh  Tharun Balaji  Chethan kumar  Gokul |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | Balamurugan  Logesh  Tharun Balaji  Chethan kumar  Gokul |
| Sprint-1 | Dashboard | USN-6 | As a user, I can access the services and information provided in the dashboard | 2 | High | Balamurugan  Logesh  Tharun Balaji  Chethan kumar  Gokul |

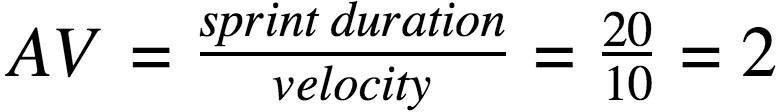
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| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Login | USN-7 | As a user, I can log into the web application and access the dashboard | 1 | High | Balamurugan  Logesh  Tharun Balaji  Chethan kumar  Gokul |
| Sprint-4 | Helpdesk | USN-8 | As a user, I can get the guidance from the customer care | 1 | High | Balamurugan  Logesh  Tharun Balaji  Chethan kumar  Gokul |
| **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 | Balamurugan  Logesh  Tharun Balaji  Chethan kumar  Gokul |
| Sprint-3 |  | USN-10 | As an administrator, I can update other features of the application | 2 | Medium | Balamurugan  Logesh  Tharun Balaji  Chethan kumar  Gokul |
| Sprint-3 |  | USN-11 | As an administrator, I can maintain the information about the user | 2 | Medium | Balamurugan  Logesh  Tharun Balaji  Chethan kumar  Gokul |
| Sprint-4 |  | USN-12 | As an administrator, I can maintain third-party services | 1 | Low | Balamurugan  Logesh  Tharun Balaji  Chethan kumar  Gokul |

# 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 | 9 Days | 30 Oct 2022 | 07 Nov 2022 | 4 | 05 Nov 2022 |
| Sprint-3 | 6 | 7 Days | 08 Nov 2022 | 14 Nov 2022 | 6 | 12 Nov 2022 |
| Sprint-4 | 2 | 7 Days | 15 Nov 2022 | 21 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](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.

