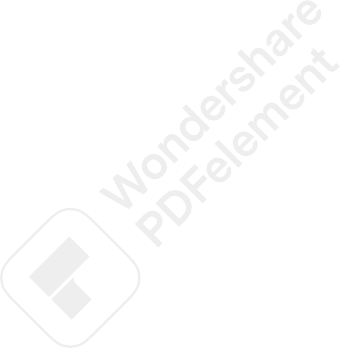
Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 11 November 2022 |
| Team ID | PN6T2022TMID50401 |
| 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 | ARUNSANKAR  RAMKUMAR  ARUMUGAM  SUBASH |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | ARUNSANKAR  RAMKUMAR  ARUMUGAM  SUBASH |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | ARUNSANKAR  RAMKUMAR  ARUMUGAM  SUBASH |
| Sprint-2 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | ARUNSANKAR  RAMKUMAR  ARUMUGAM  SUBASH |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | ARUNSANKAR  RAMKUMAR  ARUMUGAM  SUBASH |
| Sprint-1 | Dashboard | USN-6 | As a user, I can access the services and information provided in the dashboard | 2 | High | ARUNSANKAR  RAMKUMAR  ARUMUGAM  SUBASH |

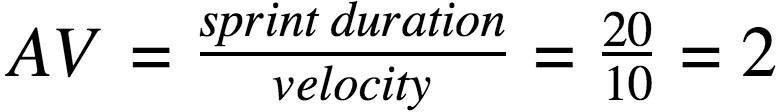
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Login | USN-7 | As a user, I can log into the web application and access the dashboard | 1 | High | ARUNSANKAR  RAMKUMAR  ARUMUGAM  SUBASH |
| Sprint-4 | Helpdesk | USN-8 | As a user, I can get the guidance from the customer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

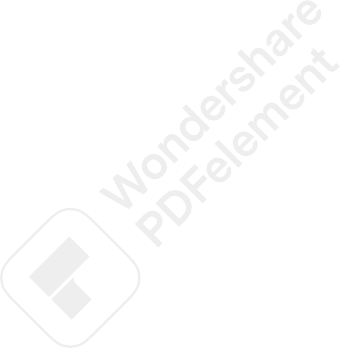
# Project Tracker, Velocity & Burndown Chart: (4 Marks)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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](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.

