**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 08 November 2022 |
| Team ID | PNT2022TMID02056 |
| Project Name | Nutrition assistant Application |
| 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 | Sumeka A  Kiruba Nandhini T  Jeevitha R  Mathu Nega G |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Sumeka A  Kiruba Nandhini T  Jeevitha R  Mathu Nega G |
| Sprint-1 | Login | USN-3 | As a user, I can login into the app | 1 | High | Sumeka A  Kiruba Nandhini T  Jeevitha R  Mathu Nega G |
| Sprint-2 | User details | USN-4 | As a user, I can enter the related details | 2 | High | Sumeka A  Kiruba Nandhini T  Jeevitha R  Mathu Nega G |
| Sprint-3 |  | USN-5 | As a user, I can search for some nutrition food | 1 | Medium | Sumeka A  Kiruba Nandhini T  Jeevitha R  Mathu Nega G |
| Sprint-4 | Diet chart | USN-6 | As a user, I can get guide for my diet plan | 1 | High | Sumeka A  Kiruba Nandhini T  Jeevitha R  Mathu Nega 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 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |
|  |  |  |  |  |  |  |
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**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)



20  
AV= \_\_\_  4

6

**Burndown Chart:**

A burn down 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.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sprint number | Day 0 | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 |
|  |
|  |
| Sprint-1 | 20 | 1 | 8 | 6 | 4 | 1 | 0 |  |
| Sprint-2 | 20 | 4 | 8 | 2 | 3 | 2 | 1 |  |
| Sprint-3 | 20 | 3 | 6 | 6 | 5 | 0 | 0 |  |
| Sprint-4 | 20 | 4 | 4 | 4 | 4 | 2 | 2 |  |
| remaining effort | 80 | 68 | 42 | 24 | 8 | 3 | 0 |  |
| ideal effort | 80 | 66.666667 | 53.33333 | 40 | 26.66667 | 13.33333 | 0 |  |

