**Project Planning Phase**

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

| Date | 18 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID38272 |
| Project Name | Project - Nutrition Assistant Application |

**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 | Saranya R  Deepika H  Sharmila A  Sneha S |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Saranya R  Deepika H |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through F Sneha S  Sharmila A acebook | 2 | Low | Sneha S  Sharmila A |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Saranya R  Sharmila A |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | Deepika H  Sneha S |
| Sprint-1 | Dashboard | USN-6 | As a user I can access the dashboard able to see options to view contents chart, select diet plans, and exercise | 5 | High | Sneha S  Saranya R |
| Sprint-2 |  | USN-7 | As a user I can see my profile | 4 | Medium | Deepika H  Saranya R |
| Sprint-3 |  | USN-8 | As a user I can update my profile | 3 | Low | Sharmila A  Sneha S |
| Sprint-2 |  | USN-9 | As a user I can change my password | 4 | Medium | Saranya R  Deepika H  Sharmila A |
| Sprint-1 | Service Request | USN-10 | As a user I can request to display nutrition content of food items | 5 | High | Sharmila A  Saranya R  Deepika H  Sneha S |
| Sprint-2 |  | USN-11 | As a user I can request to suggest a diet plan according to my medical details | 4 | High | Deepika H  Saranya R |
| Sprint-2 |  | USN-12 | As a user I can request to suggest exercise routines according to my medical details | 4 | Medium | Sneha S  Sharmila A |
| Sprint-3 | Notification | USN-13 | track the status of diet targets through a dashboard or email services | 3 | Low | saranya.R, deepika.H, sharmila.A, sneha.S |
| Sprint-3 |  | USN-14 | As a user I get an email about revised exercise routines based on recent records. | 3 | Medium | Sneha S  Sharmila A |
| Sprint-1 |  | USN-15 | A user noticed after successfully achieved the target workout | 5 | High | Saranya R  Sharmila A |
| Sprint-3 |  | USN-16 | Upload Progress Reports | 3 | Low | Deepika H  Sneha S |
| Sprint-4 |  | USN-17 | Making UI more interactive | 2 | Low | Sneha S  Sharmila A |
| Sprint-2 |  | USN-18 | As a user I give feedback | 4 | High | Sharmila A  Saranya R |

**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 | 8 | 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 |

