# PROJECT PLANNING
## SPRINT PLAN DELIVERY

| TEAM ID | PNT2022TMID05143 |
|---|---|
| PROJECT NAME | NUTRITION ASSISTANT APPLICATION |

**Product Backlog, Sprint Schedule, and Estimation:**

Use the below template to create product backlog and sprint schedule.

| Sprint | Functional Requirement | 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 | Amrisha Vivinya P.M Aileen Lincy.T Akshay.K Arockia Simon.A |
| Sprint-1 | Confirmation | USN-2 | ➢ As a user, I will receive confirmation email once I have registered for the application. | 1 | High | Amrisha Vivinya P.M Aileen Lincy.T Akshay.K Arockia Simon.A |

| Sprint | | | | | | |
|---|---|---|---|---|---|---|
| Sprint-1 | Login | USN-3 | ➢ As a user, I can log into the application by entering email and password. | 1 | High | Amrisha Vivinya P.M Aileen Lincy.T Akshay.K Arockia Simon.A |
| Sprint-2 | User Details | USN-4 | ➢ As a user, I can fill the details. | 2 | High | Amrisha Vivinya P.M Aileen Lincy.T Akshay.K Arockia Simon.A |
| Sprint-3 | Push Notification | USN-5 | ➢ As a user, I will search the food items. | 2 | Medium | Amrisha Vivinya P.M Aileen Lincy.T Akshay.K Arockia Simon.A |
| Sprint-4 | Shown the nutrition details and recipe for scanned food | USN-6 | ➢ As a user, I can scan the food and get the nutrition details and recipe for related scanned food. | 1 | High | Amrisha Vivinya P.M Aileen Lincy.T Akshay.K Arockia Simon.A |

# Project Tracker, Velocity & Burndown Chart:

| 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 | 25 October 2022 | 30 October 2022 | 20 | 30 October 2022 |
| Sprint-2 | 20 | 6 Days | 31 October 2022 | 05 November 2022 | 20 | 05 November 2022 |
| Sprint-3 | 20 | 6 Days | 06 November 2022 | 11 November 2022 | 20 | 11 November 2022 |
| Sprint-4 | 20 | 6 Days | 13 November 2022 | 18 November 2022 | 20 | 18 November 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

**Average Velocity = Story Points per Day**

**Sprint Duration = Number of (Duration) days per Sprint**

**Velocity = Points per Sprint**

$$AV = \frac{20}{6} = 4 (Approx)$$

Therefore, the AVERAGE VELOCITY IS 4 POINTS PER SPRINT.

## Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burndown charts can be applied to any project containing measurable progress over time.