# NUTRITION ASSISTANT APPLICATION
## SPRINT DELIVERY PLAN

| DATE | 5 NOVEMBER 2022 |
|---|---|
| TEAM ID | PNT2022TMID23713 |

**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 | Home page | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 5 | High | Jayasri G, Keerthika S |
| Sprint-1 | Notify | USN-2 | As a user, I will receive confirmation email once I have registered for the application. | 5 | Medium | Keerthana Deepika V |
| Sprint-1 | Login page | USN-3 | As a user, I can log into the application by entering email & password. | 5 | Medium | Jayasri G, Keerthika S |

| Sprint-1 | Registration page | USN -4 | A new user have to register and login to access the web app | 5 | High | Keerthana Deepika V |
|---|---|---|---|---|---|---|
| Sprint-2 | Database management & connectivity | USN-5 | As a user, I can fill the Details. | 20 | High | Jayasri G, Keerthana, Deepika V, Keerthika S |
| Sprint-3 | API (Clarifai) | USN-6 | The connection b/w the web app and the clarifai api | 10 | High | Keerthika S Deepika V |
| Sprint-3 | Chatbot | USN-7 | The user can also directly talk to the webpage and ask question using chatbot | 10 | High | Keerthika S, Jayasri G |
| Sprint-4 | Shown the nutrition Recipe for scanned food | USN-8 | As a user, I can scan the food an get the nutrition details and recipe for related scanned | 10 | High | Jayasri G, Keerthana Deepika V Keerthika S |
| Sprint-4 | Final Delivery | USN-9 | Integrate the application to Cloud using Docker and Kubernetes. Submit the report of the final application | 10 | High | Jayasri G, Keerthana Deepika V Keerthika S |

**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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

| 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 |

**Velocity:**

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

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)