

## Project Planning Phase

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

|               |   |
|---------------|---|
| Date          | 18 October 2022                                       |
| Team ID       | PNT2022TMID24887                                      |
| Project Name  | AI-powered Nutrition Analyzer for Fitness Enthusiasts |
| Maximum Marks | 8 Marks   |

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

| Sprint   | Functional Requirement (Epic) | User Story Number | User Story / Task   | Story Points | Priority | Team Members              |
|----------|-------------------------------|-------------------|---|--------------|----------|---------------------------|
| Sprint-1 | Food Vision                   | USN-1             | As a user, I can upload a picture of a fruit/vegetable and find the name of it.                           | 10           | High     | Likeitesh, Lohith         |
| Sprint-2 | Nutritional Analyzer          | USN-2             | Map the identified food to the nutrients present in it.   | 5            | Medium   | Lakshmikanthan, Sumanth   |
| Sprint-2 | Food Search                   | USN-3             | As a user, I can search for a particular fruit/vegetable and find the nutrients in it                     | 5            | Medium   | Lohith, Lakshmikanthan    |
| Sprint-3 | Registration                  | USN-4             | As a user, I can register for the application by entering my email, password, and confirming my password. | 5            | Medium   | Sumanth, Likeitesh        |
| Sprint-3 | Login                         | USN-5             | As a user, I can log into the application by entering email & password                                    | 5            | Medium   | Lohith, Sumanth           |
| Sprint-4 | History                       | USN-6             | As a user, I can see the food I took previously.  | 5            | Low      | Lakshmikanthan, Likeitesh |
| Sprint-4 | Store                         | USN-7             | As a user, I can store the fruits I uploaded a  | 5            | Low      | Sumanth, Lakshmikanthan   |

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|--------|-------------------------------|-------------------|-------------------|--------------|----------|--------------|
|        |                               |                   | picture of.       |              |          |              |

**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 | 10                 | 6 Days   | 24 Oct 2022       | 29 Oct 2022               |   |                              |
| Sprint-2 | 10                 | 6 Days   | 31 Oct 2022       | 05 Nov 2022               |   |                              |
| Sprint-3 | 10                 | 6 Days   | 07 Nov 2022       | 12 Nov 2022               |   |                              |
| Sprint-4 | 10                 | 6 Days   | 14 Nov 2022       | 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)

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