**Project Planning Phase**

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

| Date | 18 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID24576 |
| 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 | Ajay, Arun |
| Sprint-2 | Nutritional Analyzer | USN-2 | Map the identified food to the nutrients present in it. | 5 | Medium | Arun, Ganapathy |
| 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 | Ganapathy, Subash |
| 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 | Ganapathy, Subash |
| Sprint-3 | Login | USN-5 | As a user, I can log into the application by entering email & password | 5 | Medium | Ganapathy,  Subash |
| Sprint-4 | History | USN-6 | As a user, I can see the food I took previously. | 5 | Low | Ajay, Subash |
| Sprint-4 | Store | USN-7 | As a user, I can store the fruits I uploaded a picture of. | 5 | Low | Arun, Ajay |

**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 |  |  |
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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)

