Project Planning Phase

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

|  |  |
| --- | --- |
| Team ID | PNT2022TMID13897 |
| Project Name | AI-powered Nutrition Analyzer for  Fitness Enthusiasts |
| Maximum Marks | 4 Marks |

# 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** | **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. | High | Bharath S, Devadharshini M |
|  |  | USN - 2 | As a user, I will receive confirmation email once I have registered for the application | High | Dharshini K , Bharathiraja R |
|  |  | USN - 3 | As a user, I can register for the application through Facebook | Low | Bharath S, Bharathiraja R |
|  |  | USN - 4 | As a user, I can register for the application through Gmail | Medium | Bharathiraja R, Devadharshini M |
| Sprint 2 | Login | USN - 5 | As a user, I can log into the application by entering email & password | High | Bharath S, Dharshini K |
|  | Dashboard | USN - 6 | As a user, I can view my profile and update my details | Medium | Devadharshini M, Dharshini K |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User**  **Story Number** | **User Story / Task** | **Priority** | **Team Members** |
|  |  | USN - 7 | As a user, I can view my personal calorie calendar | High | Bharath S, Devadharshini M |
|  |  | USN - 8 | As a user, I can change my password | High | Dharshini K , Bharathiraja R |
| Sprint 3 | Image Capturing | USN - 9 | As a user, I can capture images of the ingredients I consume | High | Bharath S, Bharathiraja R |
|  | Image Processing | USN - 10 | In the application, the captured images are processed to label constituent ingredients | High | Bharathiraja R, Devadharshini M |
|  | Data Storage | USN - 11 | In the application, the calorie value of different food items are stored using a database | High | Bharath S, Dharshini K |
|  | Calorie Value Computation | USN - 12 | As a user, I am informed of the calorie value of the ingredients used | High | Devadharshini M, Dharshini K |
| Sprint 4 | Data Storage | USN - 13 | As a user, the details of the calories I’ve consumed over the course of a day are stored. | High | Bharath S, Bharathiraja R |
|  | Calorie-Over Consumption Notification | USN - 14 | As a user, I am notified if I cross the daily recommended value of calories for a day | High | Devadharshini M, Dharshini K |
|  | Diet Plan Specification | USN - 15 | As a user, I can specify my target based on which I receive personalized diet plans | High | Devadharshini M, Bharath S |

# 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 |

**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)