**Project Planning Phase**

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

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| --- | --- |
| Date | 07 NOVEMBER |
| Team ID | PNT2022TMID07592 |
| Project Name | AI-powered Nutrition Analyzer for Fitness Enthusiasts |
| Maximum Marks | 8 Marks |

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

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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Registration and login | USN-1 | As a user, I can register for the application by entering a unique user id, password, and confirming my password. |  | High | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-1 | Main page, About Page | USN-2 | Home page, About page. Navigate through the application easily (easy user experience and interface). |  | High | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-1 | Logout | USN-5 | As a user, I can logout from the application |  | High | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-2 | Prediction | USN-3 | As a user, I can upload pictures from the camera and also from the device. |  | High | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-2 | Anonymous Usage | USN-4 | As a user, I can access the application without signing in. |  | High | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-2 | Searching fruits data manually | USN-6 | As a user, I can access information (nutritional Content) about other fruits also in the application. |  | Medium | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |

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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-2 | Motivational quotes suggestion | USN-7 | As a user, I get daily motivational quotes. |  | High | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-2 | Searching | USN-8 | As a user, I can get suggestion of fruits based on season and health condition |  | High | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-2 | Dashboard | USN-11 | As a User I can view the nutritional content of food taken for an day |  | Low | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-2 | Report page | USN-12 | As a User I can report any issues through report page |  | High | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-2 | Dashboard | USN-14 | As a User I can View the issues and reports done by common users and the administrator |  | High | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-3 | Monitoring | USN-10 | As a user, I can monitor my daily water intake as per my body weight, and get periodic reminders. |  | Medium | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-3 | Health details management | USN-9 | As a user , I can manage my health condition  details like diabetic details through accessing the health management page |  | Medium | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-3 | Installable PWA | USN-13 | PWA for mobile users |  | Medium | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-3 | Dashboard | USN-15 | As a Administrator I can view and manage users, contents |  | Medium | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |

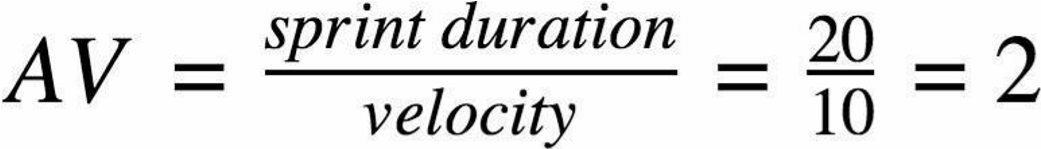
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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | Feedback page | USN-16 | As a User I can give Feedback. |  | Medium | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-3 | BMI update page | USN-17 | As a User I can update and view my BMI |  | Medium | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-3 | Storing Data | USN-20 | As a user, i can store the data which are used to predict the health conditions |  | Medium | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-4 | Security Check | USN-18 | As a administrator I need to confirm that the users data are in secure format |  | Medium | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |
| Sprint-4 | Grouping Users | USN-19 | As a user, i can join or enroll in a group to get specialized content |  | Low | Kalaiselvi  Vinothini  Revathiraja  Amarajothi |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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| --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End**  **Date**  **(Planned)** |
| Sprint-1 | 20 | 6 Days | 01 NOVEMBER | 07 NOVEMBER |
| Sprint-2 | 20 | 6 Days | 01 NOVEMBER | 07 NOVEMBER |
| Sprint-3 | 20 | 6 Days | 01 NOVEMBER | 07 NOVEMBER |
| Sprint-4 | 20 | 6 Days | 01 NOVEMBER | 07 NOVEMBER |

**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)



**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 me](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)thodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) However, burn down charts can be applied to any project containing measurable progress over time.

