

Project Planning Phase
AI-powered Nutrition Analyzer for Fitness Enthusiasts
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

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| Date | 31 October 2022 |
| Team ID | PNT2022TMID08799 |
| Project Name | Project - 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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 5 | High | Nivya Avanthika , Rithika |
| Sprint-2 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 4 | High | Santhosh , Bhavna |
| Sprint-1 | | USN-3 | As a user, I can register for the application through Gmail | 5 | Medium | Bhavna , Nivya Avanthika |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password | 5 | High | Rithika , Santhosh |
| Sprint-1 | Dashboard | USN-5 | As a user I can access the dashboard able to see options to view contents chart, select diet plans, and exercise | 5 | High | Rithika , Bhavna |
| Sprint-2 | | USN-6 | As a user I can see my profile | 4 | Medium | Santhosh , Nivya Avanthika |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|----------|-------------------------------|-------------------|--|--------------|----------|---------------------------|
| Sprint-3 | | USN-7 | As a user I can update my profile | 3 | Low | Rithika |
| Sprint-2 | | USN-8 | As a user I can change my password | 4 | Medium | Nivya avanthika,Bhavna |
| Sprint-1 | Service Request | USN-9 | As a user I can request to display nutrition content of food items | 5 | High | Bhavna,Santhosh |
| Sprint-2 | | USN-10 | As a user I can request to suggest a diet plan according to my medical details | 4 | High | Santhosh,Rithika |
| Sprint-2 | | USN-11 | As a user I can request to suggest exercise routines according to my medical details | 4 | Medium | Nivya avanthika,Rithika |
| Sprint-3 | Notification | USN-12 | track the status of diet targets through a dashboard or email services | 3 | Low | Bhavna,Santhosh |
| Sprint-3 | | USN-13 | As a user get an email about revised exercise routines based on recent records. | 3 | Medium | Nivya Avanthika , Rithika |
| Sprint-1 | | USN-14 | A user noticed after successfully achieved the target workout | 5 | High | Nivya avanthika, Bhavna |
| Sprint-3 | | USN-15 | Upload Progress Reports | 3 | Low | Bhavna,Rithika |
| Sprint-4 | | USN-16 | Making UI more interactive | 2 | Low | Santhosh |
| Sprint-2 | | USN-17 | As a user I give feedback | 4 | High | Nivya avanthika |

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 | | |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | | |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | | |
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Velocity:

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

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).