

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 | 30-10-2023 |
| Team ID | PNT2022TMID10679 |
| Project Name | Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts |
| Maximum Marks | 8 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 | Story Points | Priority | Team Members |
|----------|-------------------------------|-------------------|---|--------------|----------|--|
| Sprint-1 | Registration | USN-1 | As a user, I can register for the web application by entering my email, password, and confirming my password. | 5 | High | PARKAVI S, KEERTHANA K, OVIYA S, JEEVAJANANI R PARKAVI S, KEERTHANA K, OVIYA S, JEEVAJANANI R |
| Sprint-2 | | USN-2 | As a user, I will receive confirmation email once I have registered for the web application | 4 | High | PARKAVI , KEERTHANA K, OVIYA S, JEEVAJANANI R |
| Sprint-1 | | USN-3 | As a user, I can register for the web application through Gmail | 5 | Medium | PARKAVI S, KEERTHANA K, OVIYA S, JEEVAJANANI R |
| Sprint-1 | Login | USN-4 | As a user, I can log into the web application by entering email & password | 5 | High | PARKAVI S, KEERTHANA K, OVIYA S, JEEVAJANANI R |

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|----------|-----------|-------|--|---|--------|--|
| 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 | PARKAVI S KEERTHANA K OVIYA S JEEVAJANANI R |
| Sprint-2 | | USN-6 | As a user I can see my profile | 4 | Medium | PARKAVI S , KEERTHANA K, OVIYA S, JEEVAJANANI R |

| 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 | PARKAVI , KEERTHANA K, OVIYA S, JEEVAJANANI R |
| Sprint-2 | | USN-8 | As a user I can change my password | 4 | Medium | PARKAVI , KEERTHANA K, OVIYA S, JEEVAJANANI R |
| Sprint-1 | Service Request | USN-9 | As a user I can request to display nutrition content of food items | 5 | High | PARKAVI , KEERTHANA K, OVIYA S, JEEVAJANANI R |
| Sprint-2 | | USN-10 | As a user I can request to suggest a diet plan according to my medical details | 4 | High | PARKAVI , KEERTHANA K, OVIYA S, JEEVAJANANI R |
| Sprint-2 | | USN-11 | As a user I can request to suggest exercise routines according to my medical details | 4 | Medium | PARKAVI , KEERTHANA K, OVIYA S, JEEVAJANANI R |
| Sprint-3 | Notification | USN-12 | track the status of diet targets through a dashboard or email services | 3 | Low | PARKAVI , KEERTHANA K, OVIYA S, JEEVAJANANI R |
| Sprint-3 | | USN-13 | As a user get an email about revised exercise routines based on recent records. | 3 | Medium | PARKAVI , KEERTHANA K, OVIYA S, JEEVAJANANI R |

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| Sprint-1 | | USN-14 | A user noticed after successfully achieved the target workout | 5 | High | PARKAVI , KEERTHANA K, OVIYA S, JEEVAJANANI R |
| Sprint-3 | | USN-15 | Upload Progress Reports | 3 | Low | PARKAVI , KEERTHANA K, OVIYA S, JEEVAJANANI R |
| Sprint-4 | | USN-16 | Making UI more interactive | 2 | Low | PARKAVI , KEERTHANA K, OVIYA S, JEEVAJANANI R |
| Sprint-2 | | USN-17 | As a user I give feedback | 4 | High | PARKAVI , KEERTHANA K, OVIYA S, JEEVAJANANI R |

Project Tracker, Velocity & Burndown Chart: (4 Mark)

| Sprint | Total StoryPoints | 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:

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)

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

