

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID28541
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 application by entering my email, password, and confirming my password.	5	High	SuriyaPriya, Thenkuzhali, Vardha parveen, Ramya.
Sprint-2		USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	SuriyaPriya, Ramya
Sprint-1		USN-3	As a user, I can register for the application through Facebook	5	Low	SuriyaPriya, Thenkuzhali
Sprint-1	Login	USN-4	As a user, I can register for the application through Gmail	5	Medium	SuriyaPriya, Vardha Parveen
Sprint-1	Dashboard	USN-5	As a user, I can log into the application by entering email & password	5	High	SuriyaPriya, Thenkuzhali
Sprint-2		USN-6	As a user I can see my profile	4	Medium	SuriyaPriya, Thenkuzhali
Sprint-3		USN-7	As a user I can update my profile	3	Low	SuriyaPriya, Vardha Parveen
Sprint-2		USN-8	As a user I can change my password	4	Medium	SuriyaPriya, Thenkuzhali

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Service Request	USN-9	As a user I can request to display nutrition content of food items	5	High	SuriyaPriya, Thenkuzhali
Sprint-2		USN-10	As a user I can request to suggest a diet plan according to my medical details	4	High	SuriyaPriya, Ramya
Sprint-2		USN-11	As a user I can request to suggest exercise routines according to my medical details	4	Medium	SuriyaPriya, Vardha parveen
Sprint-3	Notification	USN-12	Track the status of diet targets through a dashboard or email service	3	Low	SuriyaPriya, Thenkuzhali
Sprint-3		USN-13	As a user get an email about revised exercise routines based on recent records	3	Medium	SuriyaPriya, Thenkuzhali
Sprint-1		USN-14	A user notices after successfully achieved the target workout	5	High	SuriyaPriya, Vardha Parveen
Sprint-3		USN-15	Upload Progress Reports	3	Low	SuriyaPriya, Thenkuzhali
Sprint-4		USN-16	Upload progress reports	2	Low	SuriyaPriya, Ramya
Sprint-2		USN-17	Making UI more interactive	4	High	SuriyaPriya, Vardha Parveen

#### 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	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
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		

#### 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)

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

#### 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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

#### Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>