

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

Team ID	PNT2022TMID30722
Project Name	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	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-2		USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-1		USN-3	As a user, I can register for the application through Gmail	5	Medium	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	5	High	Oviya.B Kiruthika.D Pritha.R Suwetha.B
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	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-2		USN-6	As a user I can see my profile	4	Medium	Oviya.B Kiruthika.D Pritha.R Suwetha.B

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	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-2		USN-8	As a user I can change my password	4	Medium	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-1	Service Request	USN-9	As a user I can request to display nutrition content of food items	5	High	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-2		USN-10	As a user I can request to suggest a diet plan according to my medical details	4	High	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-2		USN-11	As a user I can request to suggest exercise routines according to my medical details	4	Medium	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-3	Notification	USN-12	track the status of diet targets through a dashboard or email services	3	Low	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-3		USN-13	As a user get an email about revised exercise routines based on recent records.	3	Medium	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-1		USN-14	A user noticed after successfully achieved the target workout	5	High	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-3		USN-15	Upload Progress Reports	3	Low	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-4		USN-16	Making UI more interactive	2	Low	Oviya.B Kiruthika.D Pritha.R Suwetha.B
Sprint-2		USN-17	As a user I give feedback	4	High	Oviya.B Kiruthika.D Pritha.R Suwetha.B

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	23	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	26	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	11	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	18	17 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.

An approximate workplan in burndown

