

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

Date	O7 November 2022
Team ID	PNT2022TMID46670
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	SASI VADHAN, KISHORE, PRASANNA, NITHIN
Sprint-2		USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	SASI VADHAN, KISHORE, PRASANNA, NITHIN
Sprint-1		USN-3	As a user, I can register for the application through Gmail	5	Medium	SASI VADHAN, KISHORE
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	5	High	SASI VADHAN, KISHORE, PRASANNA, NITHIN
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	SASI VADHAN, KISHORE, PRASANNA, NITHIN

Sprint-2		USN-6	As a user I can see my profile	4	Medium	SASI VADHAN, KISHORE, PRASANNA, NITHIN
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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	SASI VADHAN, KISHORE, PRASANNA, NITHIN
Sprint-2		USN-8	As a user I can change my password	4	Medium	SASI VADHAN, KISHORE, PRASANNA, NITHIN
Sprint-1	Service Request	USN-9	As a user I can request to display nutrition content of food items	5	High	SASI VADHAN, KISHORE, PRASANNA, NITHIN
Sprint-2		USN-10	As a user I can request to suggest a diet plan according to my medical details	4	High	SASI VADHAN, KISHORE, PRASANNA, NITHIN
Sprint-2		USN-11	As a user I can request to suggest exercise routines according to my medical details	4	Medium	SASI VADHAN, KISHORE, PRASANNA, NITHIN
Sprint-3	Notification	USN-12	track the status of diet targets through a dashboard or email services	3	Low	SASI VADHAN, KISHORE, PRASANNA, NITHIN
Sprint-3		USN-13	As a user get an email about revised exercise routines based on recent records.	3	Medium	SASI VADHAN, KISHORE, PRASANNA, NITHIN
Sprint-1		USN-14	A user noticed after successfully achieved the target workout	5	High	SASI VADHAN, KISHORE, PRASANNA, NITHIN
Sprint-3		USN-15	Upload Progress Reports	3	Low	SASI VADHAN, KISHORE, PRASANNA, NITHIN
Sprint-4		USN-16	Making UI more interactive	2	Low	SASI VADHAN, KISHORE, PRASANNA, NITHIN

Sprint-2		USN-17	As a user I give feedback	4	High	SASI VADHAN
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**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		

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

**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)