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

Date	24 October 2022
Team ID	PNT2022TMID37892
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.	6	High	Surya B
Sprint-1	Verification	USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	Vinothagan, Sivanesan, Bharathy
Sprint-2	Recognition	USN-3	As a user, I can register for the application through Facebook	2	Low	Surya B, Vinothgan S
Sprint-1	Alternate Registration	USN-4	As a user, I can register for the application through Gmail	5	Medium	Sivanesan Vinothagan
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	5	High	Surya B, Sivanesan
Sprint-3	Data Setup	USN-6	As a User, I will enter my Data's which includes Height, Weight, Age & Gender	8	High	Surya B, Vinothagan S, Sivanesan S, Bharathi R
Sprint-2	Diet Chart	USN-7	User can customize the Diet chart based upon their Maintenance calorie	10	High	Surya B, Vinothagan S, Sivanesan S, Bharathi R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Liquid Intake	USN-8	User can add the amount water they consume and get the hourly remainder to consume water	6	Medium	Surya B, Vinothagan S, Sivanesan
Sprint-3	Workout	USN-9	I can add the customized workout to do on the daily basis.	6	High	Surya B, Vinothagan S, Sivanesan S, Bharathi R
Sprint-4	Community Chart	USN-10	User can create a community and chat with them accordingly	6	Medium	Vinothagan S, Sivanesan S, Bharathi R
Sprint-4	Queries	USN-11	As a User, I can raise and submit their queries in the Q&A section.	6	Medium	Surya B, Vinothagan S

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	8 Days	24 Oct 2022	31 Oct 2022		31 Oct 2022
Sprint-2	12	10 Days	31 Oct 2022	09 Nov 2022		10 Nov 2022
Sprint-3	20	8 Days	09 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	12	5 Days	12 Nov 2022	15 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)

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

Sprint - 1 = AV = 20 % 08 = 2.5

Sprint - 2 = AV = 12 % 10 = 1.2

Sprint - 3 = AV = 20 % 08 = 2.5

Sprint - 4 = AV = 12 % 05 = 2.4

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.