

Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID29505
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.	2	High	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Model Building	USN-6	Development of the model with the prepared dataset	2	High	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-2	Main Interface	USN-7	As a user, I can view my calorie intake by clicking the photo of the food I eat	2	High	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-2	Package, Dashboard	USN-8	As a user, I can choose variety of packages as per requirements	3	Medium	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-3	Diet plan for free users	USN-9	As a dietician, I provide daily plans for the betterment of the user	4	High	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-3	Personalized user food habit-based diet plan for premium users	USN-10	As a premium, user,I can use to follow diet plan based on my food habits or the generalized one	3	Medium	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-2	User image analysis	USN-11	As a user, I can track my calorie intake, and know about my food in detail	5	High	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-3	Improve efficiency of AI model	-	As a user, I have to give a better model that will analyse food precisely and provide accurate results	3	Medium	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-2	User Analysis Record	USN-12	As a user, I can check the previous records and I can analyse my food habits	4	Medium	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Fitness tips and basic exercises	USN-13	As a user, I can follow some fitness tips and I can maintain weight as required	5	Medium	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-4	Home Remedies	USN-14	As a user, I can follow some natural home remedies for common diseases like cold, caught, fever and treat myself	5	High	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-4	Optimize the user experience with the app	USN-15	As a developer, I have to provide clean and smooth interface to my user	5	Hiigh	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini
Sprint-4	Payment Gateway for purchasing package	-	As a developer, I have to create an environment which makes user feel to compete his/her payments with payment options	3	Medium	R.S.Saveetha Sri V.S.Yuvashre K.Mohana Priya M.Priyadharshini

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	7 Days	04 Nov 2022	10 Nov 2022	20	10 Nov 2022
Sprint-2	20	7 Days	04 Nov 2022	09 Nov 2022	20	09 Nov 2022
Sprint-3	20	7 Days	05 Nov 2022	11 Nov 2022	18	11 Nov 2022
Sprint-4	20	6 Days	06 Nov 2022	11 Nov 2022	18	11 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.

