

Project planning phase

Project planning template(product backlog,sprint planning,story points)

Date	29 Oct
Team ID	PNT2022TMID33919
Project Name	AI powered nutrition analyser for fitness enthusiasts
Maximum Marks	8

Product backlog ,sprint schedule and estimation

sprint	Functional requirements	User story number	User story\task	Story points	prior ity	Team members
Sprint-1	Pre-requisites for model building	USN-0	As a developer I have to collect different type of data possible and other data supporting the model	4	high	S.Thaslim Fathima
Sprint-1	Registration	USN-1	As a user I can register for the application by entering mail,password and conforming my password	2	high	M.Rushil Kumar
Sprint-1	Registration	USN-2	As a user I will receive	2	high	U.Saravana Kumar

			conformation email once I have register for the application			
Sprint-1	login	USN-3	As a user I can log into the application by entering mail&password	2	low	S.Surya Moorthy
Sprint-2	Algorithm selection	USN-4	As a user I can choose the required algorithm for specific analysis	4	medium	S.Thaslim Fathima
Sprint-2	Training and testing	USN-5	As a user I can train and test the model using the algorithm	4	high	M.Rushil Kumar
Sprint-2	Prediction and analysis of data	USN-6	As a user I can predict and visualize the data	4	high	U.Saravana Kumar
Sprint-3	Model building	USN-7	As a user I can build with the web application	8	high	S. Surya Moorthy
Sprint-3	Main interface	USN-8	As a user I can view my calorie intake by clicking photo of food I eat	4	medium	M.Rushil Kumar
Sprint-4	User image analysis	USN-9	As a user I can track my calorie intake and know	4	high	S.Thaslim Fathima

			about food in detail			
Sprint-4	Improve efficiency of AI model	USN-10	As a developer I have to give better model that will analyze the food precisely and provide accurate results	4	medium	S.Surya Moorthy
Sprint-4	Optimize the user experience with app	USN-11	As a developer I have to provide clean and smooth interface to my user	4	medium	U.Sarvana Kumar

Project tracker, velocity & burndown chart:(4marks)

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	12	6 days	24 Oct 2022	29 Oct 2022	12	29 Oct 2022
Sprint-2	12	6 days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	12	6 days	07 Nov 2022	12 Nov 2022	12	12 Nov 2022

Sprint-4	12	6 days	14 Nov 2022	19 Nov 2022	12	19 Nov 2022
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Velocity:

Imagine we have a 10-day sprint duration and the velocity of the team is 20(per unit). Let's calculate the team's average velocity(AV)per iteration unit(story points per day)

Average velocity=sprint duration /velocity=12/6=2

Burndown chart:

