Project Planning Phase

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

Title	AI powered nutrition analyzer for fitness enthusiasts
College Name	AVS College of Technology
Team Id	PNT2022TMID42147

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Download the food nutrition dataset	2	High	THARSHANI
Sprint-1	Data Preprocessing	USN-2	Importing the Dataset into Workspace	1	Medium	THARSHANI KOKILA
Sprint-1		USN-3	Handling Missing data	3	Low	NANDHINI
Sprint-1		USN-4	Feature Scaling	3	Medium	SIVA PRIYA
Sprint-1		USN-5	Data Visualization	3	Low	KOKILA
Sprint-1		USN-6	Splitting Data into Train and set	4	High	THARSHANI
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	4	Medium	NANDHINI
Sprint-2	Model Building	USN-8	Importing The Model	1	HIGH	SIVA PRIYA

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			Building Libraries			
Sprint-2		USN-9	Initializing The Model	1	Medium	NANDHINI
Sprint-2		USN-10	Adding CNN Layers	2	High	KOKILA SIVA PRIYA
Sprint-2		USN-11	Adding Dense Layers	3	low	NANDHINI
Sprint-2		USN-12	Configure The Learning Process	4	Medium	THARSHANI
Sprint-2		USN-13	Train the model	2	Medium	KOKILA SIVA PRIYA
Sprint-2		USN-14	Save the model	2	Medium	NANDHINI
Sprint-2		USN-15	Test the model	3	High	THARSHANI
Sprint-3	Application Building	USN-16	Create an HTML file	4	Medium	NANDHINI
Sprint-3		USN-17	Build Python code	4	High	SIVA PRIYA
Sprint-3		USN-18	Run the app in local browser	4	Medium	THARSHANI

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-19	Showcasing prediction on UI	4	High	KOKILA
Sprint-4	Train the model on IBM	USN-20	Register for IBM Cloud	4	Medium	NANDHINI
Sprint-4		USN-21	Train the ML Model on IBM	4	High	SIVA PRIYA
Sprint-4		USN-22	Integrate Flask with scoring End Point	8	High	THARSHANI

Project Tracker, Velocity & Burndown Chart:

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	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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