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

Date	16 Nov2022
Team ID	PNT2022TMID52932
Project Name	Project – AI-Powered Nutrition Analyser and Enthusiasts
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Download Food Nutrition Dataset	4	High	Manivannan
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low	Lalith
Sprint-1		USN-3	Handling Missing Data	3	Medium	Muhammad
Sprint-1		USN-4	Feature Scaling	3	Low	Jahnavi
Sprint-1		USN-5	Data Visualization	4	High	Manivannan
Sprint-1		USN-6	Spitting the Data into the Train and Test	4	Medium	Lalith
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	4	Medium	Muhammad
Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	1	Medium	Jahnavi
Sprint-2		USN-9	Initializing The Model	3	High	Manivannan
Sprint-2		USN-10	Adding LSTM Layers	2	Medium	Lalith
Sprint-2		USN-11	Adding Output Layers	3	High	Muhammad

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-12	Configure The Learning Process	2	Low	Jahnavi
Sprint-2		USN-13	Train The Model	2	Medium	Manivannan
Sprint-2		USN-14	Model Evaluation	1	Medium	Lalith
Sprint-2		USN-15	Save The Model	2	Medium	Muhammad
Sprint-2		USN-16	Test The Model	3	High	Jahnavi
Sprint-3	Application Building	USN-17	Create An HTML File	4	Medium	Manivannan
Sprint-3		USN-18	Build Python Code	4	High	Lalith
Sprint-3		USN-19	Creating our Flask application and loading our model by using load_model method	4	Medium	Muhammad
Sprint-3		USN-20	Routing to HTML page	4	High	Jahnavi
Sprint-3		USN-21	Run the application	2	Medium	Manivannan
Sprint-4	Train The Model On IBM	USN-21	Register For IBM Cloud	4	Medium	Lalith
Sprint-4		USN-22	Train The ML Model On IBM	8	High	Muhammad
Sprint-4		USN-23	Integrate Flask with Scoring End Point	8	High	Jahnavi

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	2 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	03 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	10 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	17 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)

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

VELOCITY CHART