Project Planning Phase

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

Team ID	**PNT2022TMID28902**
Project Name	**AI-powered Nutrition Analyzer for Fitness Enthusiasts**

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	Data Collection	USN-1	Download Food Nutrition Dataset	5	High	PRAVEEN K
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	5	High	SAIRAM B N
Sprint-1		USN-3	Handling Missing Data	5	High	SARBESH V
Sprint-1		USN-4	Feature Scaling	5	High	PAVITHRAN S
Sprint-1		USN-5	Data Visualization	4	Medium	SAIRAM B N
Sprint-1		USN-6	Splitting Data into Train and Test	5	High	PAVITHRAN S
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	5	High	PRAVEEN K
Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	4	Medium	SARBESH V

Sprint-2		USN-9	Initializing The Model	4	Medium	PRAVEEN K
Sprint-2		USN-10	Adding LSTM Layers	3	Low	SAIRAM B N
Sprint-2		USN-11	Adding Output Layers	3	Low	SARBESH V
Sprint-2		USN-12	Configure The Learning Process	4	Medium	PAVITHRAN S
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-2		USN-13	Train The Model	5	High	PAVITHRAN S
Sprint-2		USN-14	Model Evaluation	4	Medium	SARBESH V
Sprint-2		USN-15	Save The Model	5	High	PRAVEEN K
Sprint-2		USN-16	Test The Model	4	Medium	SAIRAM B N
Sprint-3	Application Building	USN-17	Create An HTML File	5	High	SAIRAM B N
Sprint-3		USN-18	Build Python Code	4	Medium	SARBESH V
Sprint-3		USN-19	Run The App in Local Browser	5	High	PRAVEEN K
Sprint-3		USN-20	Showcasing Prediction On UI	5	High	PAVITHRAN S
Sprint-4	Train The Model On IBM	USN-21	Register For IBM Cloud	3	Low	SAIRAM B N
Sprint-4		USN-22	Train The Model On IBM	8	High	SARBESH V

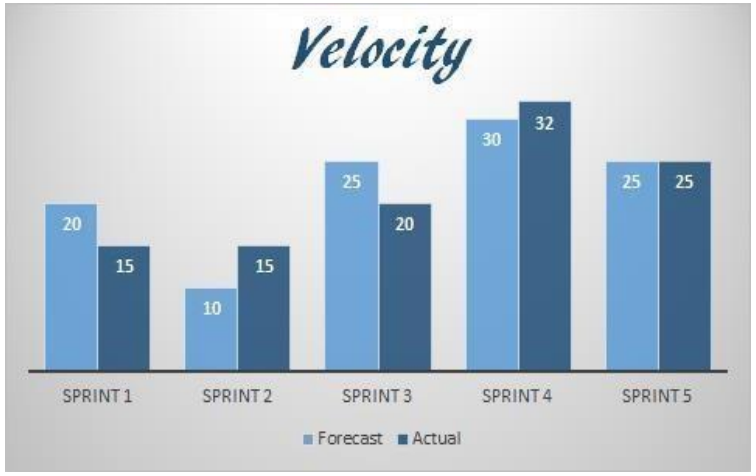
Sprint-4		USN-23	Integrate Flask with Scoring End Point	8	High	PRAVEEN K

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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

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



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.