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

Date	22 October 2022
Team ID	PNT2022TMID26372
Project Name	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	Data Collection	USN-1	Download Food Nutrition Dataset	2	Medium	Roszhan Raj M S
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low	Rasika M
Sprint-1		USN-3	Handling Missing Data	3	Medium	Roszhan Raj M S
Sprint-1		USN-4	Feature Scaling	3	Low	Madhubala R
Sprint-1		USN-5	Data Visualization	3	Medium	Maya Padhy
Sprint-1		USN-6	Splitting Data into Train and Test	4	High	Keerthana V S
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	4	High	Keerthana V S ,Maya Padhy

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	1	Medium	Rasika M
Sprint-2		USN-9	Initializing The Model	1	Medium	Keerthana V S
Sprint-2		USN-10	Adding LSTM Layers	2	High	Roszhan Raj M S
Sprint-2		USN-11	Adding Output Layers	3	Medium	Keerthana V S
Sprint-2		USN-12	Configure The Learning Process	4	High	Maya Padhy
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-2		USN-13	Train The Model	2	Medium	Roszhan Raj M S
Sprint-2		USN-14	Model Evaluation	1	Medium	Maya Padhy
Sprint-2		USN-15	Save The Model	2	Medium	Rasika M
Sprint-2		USN-16	Test The Model	3	High	Madhubala R
Sprint-3	Application Building	USN-17	Create An HTML File	4	Medium	Roszhan Raj M S
Sprint-3		USN-18	Build Python Code	4	High	Keerthana V S
Sprint-3		USN-19	Run The App in Local Browser	4	Medium	Rasika M
Sprint-3		USN-20	Showcasing Prediction On UI	4	High	Maya Padhy
Sprint-4	Train The Model On IBM	USN-21	Register For IBM Cloud	4	Medium	Roszhan Raj M S

| Sprint-4 | | USN-22 | Train The ML Model On IBM | 8 | High | Keerthana V S |
| Sprint-4 | | USN-23 | Integrate Flask with Scoring End Point | 8 | High | Maya Padhy |

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	29 Oct 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)

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

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.