Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID21658
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	Kiran Kumar D
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low	Kiran Kumar D
Sprint-1		USN-3	Handling Missing Data	3	Medium	Kishore N
Sprint-1		USN-4	Feature Scaling	3	Low	Logesh N
Sprint-1		USN-5	Data Visualization	3	Medium	Krithik Shri MP
Sprint-1		USN-6	Splitting Data into Train and Test	4	High	Kishore N
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	4	High	Kishore N
Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	1	Medium	Kiran kumar D
Sprint-2		USN-9	Initializing The Model	1	Medium	Logesh N

Sprint-2		USN-10	Adding LSTM Layers	2	High	Logesh N
Sprint-2		USN-11	Adding Output Layers	3	Medoum	Logesh N
Sprint-2		USN-12	Configure The Learning Process	4	High	Krithik Shri MP
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-2		USN-13	Train The Model	2	Medium	Logesh N
Sprint-2		USN-14	Model Evaluation	1	Medium	Logesh N
Sprint-2		USN-15	Save The Model	2	Medium	Kishore N
Sprint-2		USN-16	Test The Model	3	High	Krithik Shri MP
Sprint-3	Application Building	USN-17	Create An HTML File	4	Medium	Kiran Kumar D
Sprint-3		USN-18	Build Python Code	4	High	Logesh N
Sprint-3		USN-19	Run The App in Local Browser	4	Medium	Krithik Shri MP
Sprint-3		USN-20	Showcasing Prediction On UI	4	High	Logesh N
Sprint-4	Train The Model On IBM	USN-21	Register For IBM Cloud	4	Medium	Krithik Shri MP
Sprint-4		USN-22	Train The ML Model On IBM	8	High	Kishore N
Sprint-4		USN-23	Integrate Flask with Scoring End Point	8	High	Logesh N

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.