

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID26394
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	Porchelvan
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low	Neha Rao
Sprint-1		USN-3	Handling Missing Data	3	Medium	Nishar
Sprint-1		USN-4	Feature Scaling	3	Low	Chaitanya
Sprint-1		USN-5	Data Visualization	3	Medium	Chaitanya , Nishar

Sprint-1		USN-6	Splitting Data into Train and Test	4	High	Neha Rao
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	4	High	Neha, Porchelvan

Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	1	Medium	Nishar
Sprint-2		USN-9	Initializing The Model	1	Medium	Chaitanya
Sprint-2		USN-10	Adding LSTM Layers	2	High	Neha Rao
Sprint-2		USN-11	Adding Output Layers	3	Medium	Porchelvan
Sprint-2		USN-12	Configure The Learning Process	4	High	Chaitanya
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-13	Train The Model	2	Medium	Nishar
Sprint-2		USN-14	Model Evaluation	1	Medium	Porchelvan
Sprint-2		USN-15	Save The Model	2	Medium	Chaitanya
Sprint-2		USN-16	Test The Model	3	High	Neha Rao
Sprint-3	Application Building	USN-17	Create An HTML File	4	Medium	Chaitanya

Sprint-3		USN-18	Build Python Code	4	High	Porchelvan, Nishar
Sprint-3		USN-19	Run The App in Local Browser	4	Medium	Neha Rao
Sprint-3		USN-20	Showcasing Prediction On UI	4	High	Porchelvan
Sprint-4	Train The Model On IBM	USN-21	Register For IBM Cloud	4	Medium	Chaitanya
Sprint-4		USN-22	Train The ML Model On IBM	8	High	Chaitanya , Nishar
Sprint-4		USN-23	Integrate Flask with Scoring End Point	8	High	Neha Rao,

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
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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)

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



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.

