

Project Planning Phase

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

Date	02 Nov 2022
Team ID	PNT2022TMID50029
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	Subavani.D
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low	Sruthi bharathi. R
Sprint-1		USN-3	Handling Missing Data	3	Medium	Sharmila fathima.A
Sprint-1		USN-4	Feature Scaling	3	Low	Venuka. A
Sprint-1		USN-5	Data Visualization	4	High	Subavani. D
Sprint-1		USN-6	Spitting the Data into the Train and Test	4	Medium	Sruthi bharathi. R
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	4	Medium	Sharmila fathima.A
Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	1	Medium	Venuka. A
Sprint-2		USN-9	Initializing The Model	3	High	Subavani.D
Sprint-2		USN-10	Adding LSTM Layers	2	Medium	Sruthi bharathi. R
Sprint-2		USN-11	Adding Output Layers	3	High	Sharmila fathima.A

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	Venuka. A
Sprint-2		USN-13	Train The Model	2	Medium	Sharmila fathima
Sprint-2		USN-14	Model Evaluation	1	Medium	Subavani
Sprint-2		USN-15	Save The Model	2	Medium	Sruthi bharathi
Sprint-2		USN-16	Test The Model	3	High	Venuka
Sprint-3	Application Building	USN-17	Create An HTML File	4	Medium	Subavani, Sruthi bharathi
Sprint-3		USN-18	Build Python Code	4	High	Sharmila fathima, Subavani
Sprint-3		USN-19	Creating our Flask application and loading our model by using load_model method	4	Medium	Sruthi bharathi, venuka
Sprint-3		USN-20	Routing to HTML page	4	High	Subavani
Sprint-3		USN-21	Run the application	2	Medium	Sruthi bharathi
Sprint-4	Train The Model On IBM	USN-21	Register For IBM Cloud	4	Medium	Sruthi Bharathi.R
Sprint-4		USN-22	Train The ML Model On IBM	8	High	Sharmila Fathima
Sprint-4		USN-23	Integrate Flask with Scoring End Point	8	High	Subavani

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

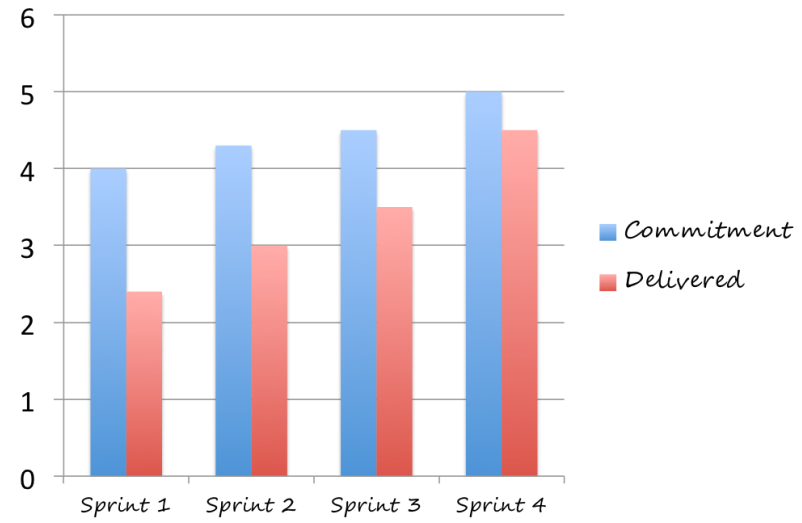
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	2 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	03 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	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)

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

VELOCITY CHART



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