

Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID18332
Project Name	AI Powered Nutrition analyzer for Fitness Enthusiastics

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	Day	Priority	Team Members
Sprint-1	Data Collection	USN-1	Download Food Nutrition Dataset	2	24 Oct 2022	Medium	HARSHAVARDHINEE P
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	25 Oct 2022	Low	ARUNKUMAR S
Sprint-1		USN-3	Handling Missing Data	3	26 Oct 2022	Medium	AAKASH K
Sprint-1		USN-4	Feature Scaling	3	26 Oct 2022	Low	ABISHEK A C
Sprint-1		USN-5	Data Visualization	3	27 Oct 2022	Medium	ARUNKUMAR S
Sprint-1		USN-6	Splitting Data into Train and Test	4	28 Oct 2022	High	HARSHAVARDHINEE P
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	4	29 Oct 2022	High	AAKASH K
Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	1	31 Oct 2022	Medium	ARUNKUMAR S
Sprint-2		USN-9	Initializing The Model	1	1 Nov 2022	Medium	HARSHAVARDHINEE P

Sprint-2		USN-10	Adding LSTM Layers	2	1 Nov 2022	High	AAKASH K
Sprint-2		USN-11	Adding Output Layers	3	1 Nov 2022	Medium	ARUNKUMAR S
Sprint-2		USN-12	Configure The Learning Process	4	1 Nov 2022	High	ABISHEK A C
Sprint-2	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	2 Nov 2022	Priority	Team Members
Sprint-2		USN-13	Train The Model	2	3 Nov 2022	Medium	AAKASH K
Sprint-2		USN-14	Model Evaluation	1	3 Nov 2022	Medium	ARUNKUMAR S
Sprint-2		USN-15	Save The Model	2	3 Nov 2022	Medium	ABISHEK A C
Sprint-2		USN-16	Test The Model	3	3 Nov 2022	High	HARSHAVARDHINEE P
Sprint-3	Application Building	USN-17	Create An HTML File	4	7 Nov 2022	Medium	ARUNKUMAR S
Sprint-3		USN-18	Build Python Code	4	8 Nov 2022	High	ABISHEK A C
Sprint-3		USN-19	Run The App in Local Browser	4	9 Nov 2022	Medium	ABISHEK A C
Sprint-3		USN-20	Showcasing Prediction On UI	4	10 Nov 2022	High	ARUNKUMAR S
Sprint-4	Train The Model On IBM	USN-21	Register For IBM Cloud	4	14 Nov 2022	Medium	HARSHAVARDHINEE P
Sprint-4		USN-22	Train The ML Model On IBM	8	15 Nov 2022	High	ARUNKUMAR S
Sprint-4		USN-23	Integrate Flask with Scoring End Point	8	17 Nov 2022	High	AAKASH K

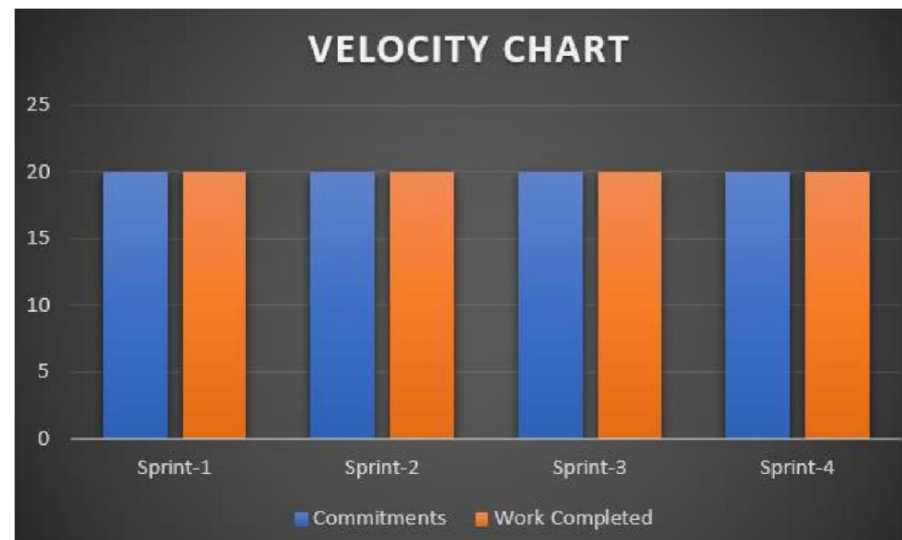
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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)

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



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.

