Project Planning Phase

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

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	Sai kumar
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low	Vinodh kumar
Sprint-1		USN-3	Handling Missing Data	3	Medium	priyalatha
Sprint-1		USN-4	Feature Scaling	3	Low	Naveen reddy
Sprint-1		USN-5	Data Visualization	3	Medium	Naveen reddy
Sprint-1		USN-6	Splitting Data into Train and Test	4	High	Vinodh kumar
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	4	High	Priyalatha
Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	1	Medium	Naveen reddy
Sprint-2		USN-9	Initializing The Model	1	Medium	Sai kumar
Sprint-2		USN-10	Adding LSTM Layers	2	High	Vinodh

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

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	4 Days	27 Oct 2022	31 Oct 2022	20	31 Oct 2022
Sprint-2	20	5 Days	01 Nov 2022	06 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	08 Nov 2022	13 Nov 2022	20	10 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	17 Nov 2022

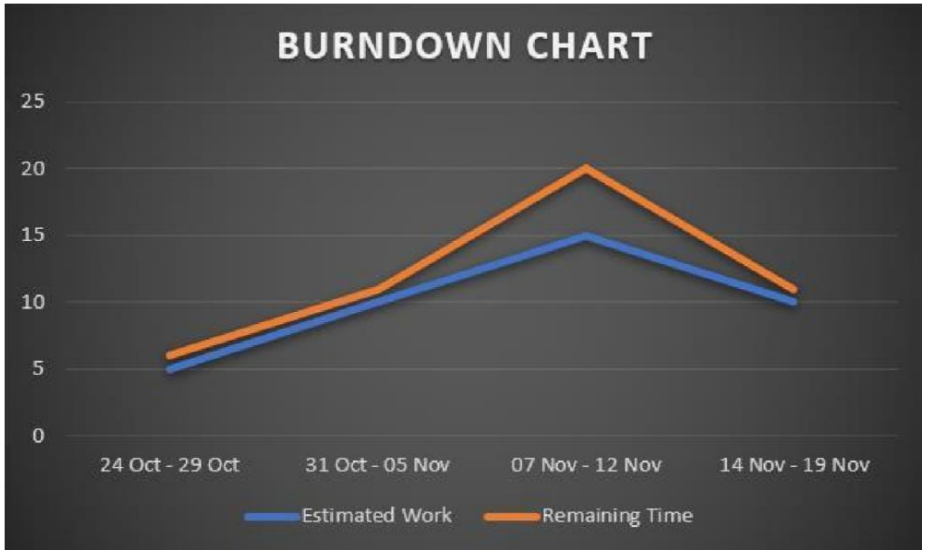
Velocity:

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.


BURNDOWN CHART
25
20
15
10
5
0
24 Oct - 29 Oct
31 Oct - 05 Nov
07 Nov - 12 Nov
14 Nov - 19 Nov
Estimated Work
Remaining Time