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	MADHUMATHI J
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low	KAVYA YADHAV
Sprint-1		USN-3	Handling Missing Data	3	Medium	NANDHINI C
Sprint-1		USN-4	Feature Scaling	3	Low	MADHUMITHA T
Sprint-1		USN-5	Data Visualization	3	Medium	KAVYA YADHAV
Sprint-1		USN-6	Splitting Data into Train and Test	4	High	MADHUMATHI J
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	4	High	NANDHINI C
Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	1	Medium	KAVYA YADHAV
Sprint-2		USN-9	Initializing The Model	1	Medium	MADHUMATHI J

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

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

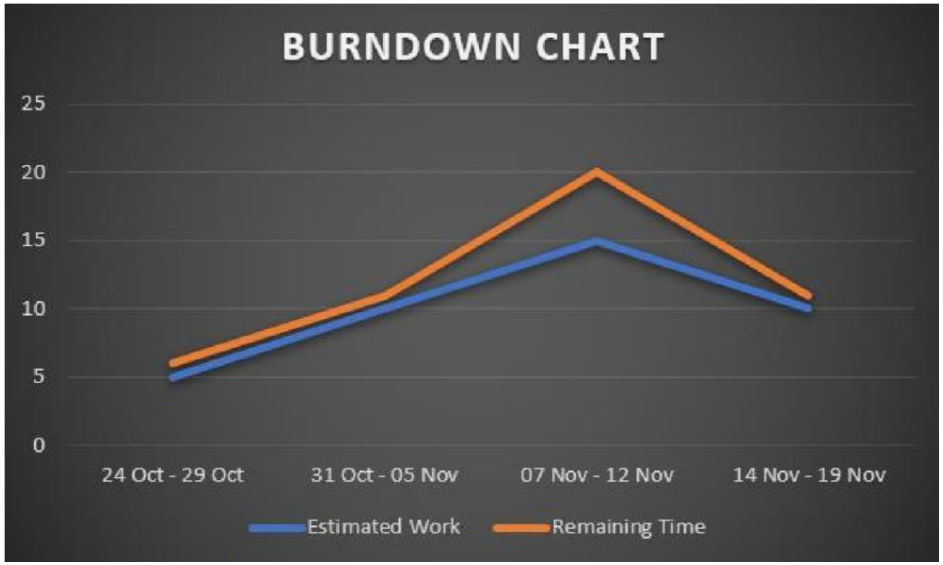
Velocity:

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.


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