

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	JERIM JEEVS
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low	JASWANTH
Sprint-1		USN-3	Handling Missing Data	3	Medium	HEMANTH
Sprint-1		USN-4	Feature Scaling	3	Low	JERIM JEEVS
Sprint-1		USN-5	Data Visualization	3	Medium	JASWANTH
Sprint-1		USN-6	Splitting Data into Train and Test	4	High	JERIM JEEVS
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	JASWANTH
Sprint-2		USN-9	Initializing The Model	1	Medium	JERIM JEEVS
Sprint-2		USN-10	Adding LSTM Layers	2	High	MAHESH

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

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)

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



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.

