

Project Planning Phase

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

Date	18 October 2022
Team ID	IBM-Project-23057-1659865341
Project Name	AI Powered - Food Demand Forecaster
Maximum Marks	8 Marks

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	Prerequisites	USN-1	Collect required data.	3	High	Archana G, Aswini M
Sprint-1		USN-2	Split dataset into train and test set.	4	Medium	Amruthavarshini T, Jeslin Neha P
Sprint-1		USN-3	Pre-process the data.	3	Medium	Archana G, Jeslin Neha P
Sprint-2	Model Building	USN-4	Compile the model	1	Low	Aswini M, Amruthavarshini T
Sprint-2		USN-5	Add required neural network layers.	4	High	Amruthavarshini T, Archana G
Sprint-2		USN-6	Initialise the model	1	Low	Aswini M, Jeslin Neha P
Sprint-2		USN-7	Import the required libraries.	2	Medium	Archana G, Amruthavarshini T
Sprint-2		USN-8	Deploy the model in IBM cloud.	2	Medium	Jeslin Neha P, Aswini M

Sprint-3	Model Testing	USN-9	Import the packages and load the saved model	4	High	Amruthavarshini T, Jeslin Neha P
Sprint-3		USN-10	Test the model	6	High	Archana G, Aswini M
Sprint-4	User Interface	USN-11	Integrate with model	5	Medium	Archana G, Jeslin Neha P
Sprint-4		USN-12	Build the user interface	5	High	Aswini M, Amruthavarshini T

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	10	3 Days	28 Oct 2022	30 Oct 2022	10	13 Nov 2022
Sprint-2	10	2 Days	31 Oct 2022	02 Nov 2022	10	13 Nov 2022
Sprint-3	10	2 Days	02 Nov 2022	04 Nov 2022	10	14 Nov 2022
Sprint-4	10	3 Days	04 Nov 2022	06 Nov 2022	10	14 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 10 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{sprint duration} / \text{velocity} = 10 / 10 = 1$$

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.

Title

Sprint 1

story points

10

Start date

28 Oct 2022

End date

30 Oct 2022

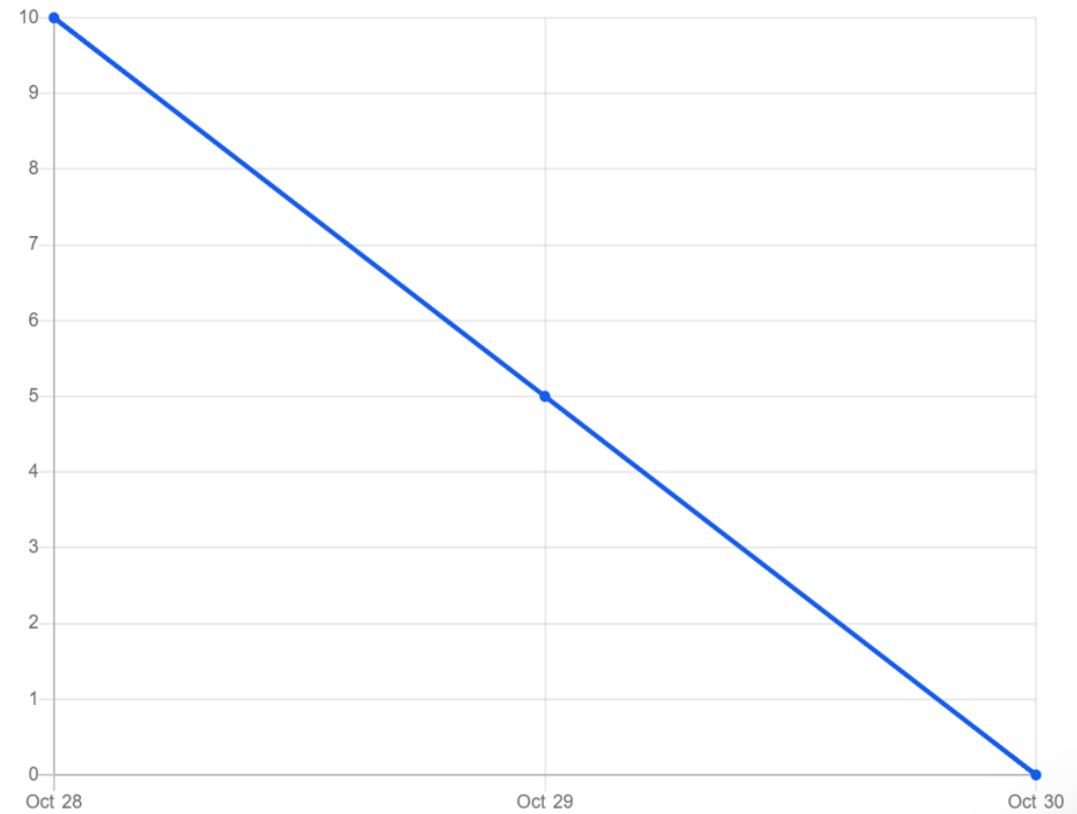
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Sprint 1



Title

Sprint 2

story points

10

Start date

31 Oct 2022

End date

02 Nov 2022

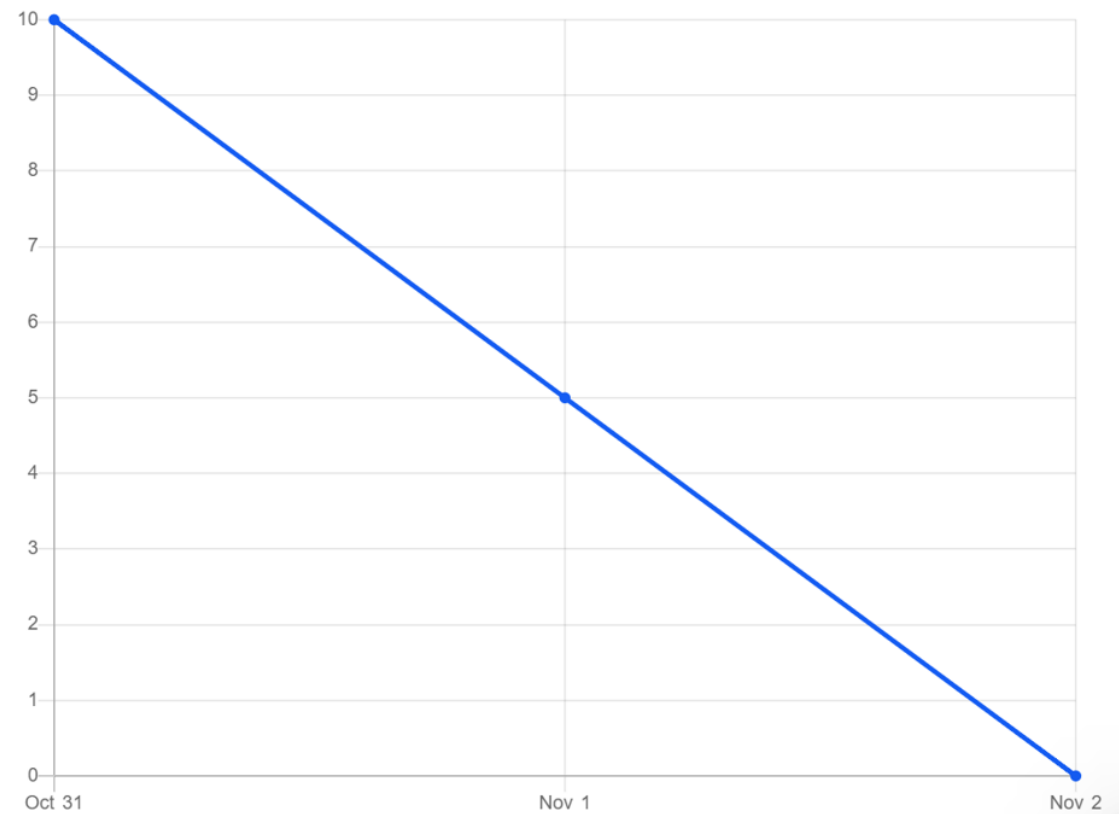
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Sprint 2



Title

Sprint 3

story points

10

Start date

02 Nov 2022

End date

04 Nov 2022

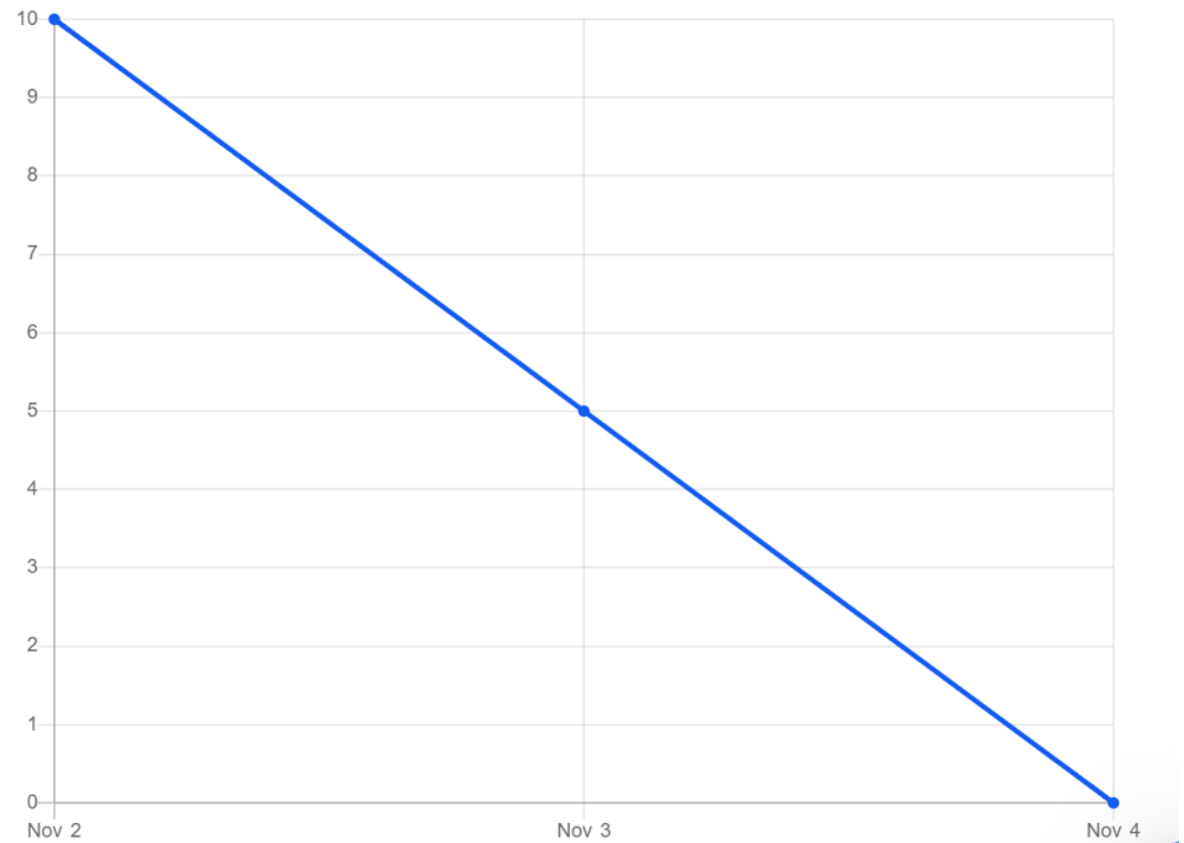
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Sprint 3



Title

Sprint 4

story points

10

Start date

04 Nov 2022

End date

06 Nov 2022

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Sprint 4

