

AI-powered Nutrition Analyzer for Fitness Enthusiasts

Project Planning Phase

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

Product Backlog, Sprint Schedule, and Estimation

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	5	High	Nithika S
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	5	High	Yeswanth Raj M
Sprint-1		USN-3	Handling Missing Data	5	High	Nandhini S
Sprint-1		USN-4	Feature Scaling	5	High	Mary Jeffina A
Sprint-1		USN-5	Data Visualization	4	Medium	Nithika S
Sprint-1		USN-6	Splitting Data into Train and Test	5	High	Nandhini S
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	5	High	Mary Jeffina A
Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	4	Medium	Nandhini S
Sprint-2		USN-9	Initializing The Model	4	Medium	Yeswanth Raj M
Sprint-2		USN-10	Adding LSTM Layers	3	Low	Nandhini S

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Sprint-2		USN-11	Adding Output Layers	3	Low	Mary Jeffina A
Sprint-2		USN-12	Configure The Learning Process	4	Medium	Nithika S
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-13	Train The Model	5	High	Nithika S
Sprint-2		USN-14	Model Evaluation	4	Medium	Yeswanth Raj M
Sprint-2		USN-15	Save The Model	5	High	Nandhini S
Sprint-2		USN-16	Test The Model	4	Medium	Mary Jeffina A
Sprint-3	Application Building	USN-17	Create An HTML File	5	High	Nandhini S
Sprint-3		USN-18	Build Python Code	4	Medium	Yeswanth Raj M
Sprint-3		USN-19	Run The App in Local Browser	5	High	Mary Jeffina A
Sprint-3		USN-20	Showcasing Prediction On UI	5	High	Nithika S
Sprint-4	Train The Model On IBM	USN-21	Register For IBM Cloud	3	Low	Yeswanth Raji M
Sprint-4		USN-22	Train The Model On IBM	8	High	Mary Jeffina A
Sprint-4		USN-23	Integrate Flask with Scoring End Point	8	High	Nandhini S

Project Tracker, Velocity & Burndown Chart

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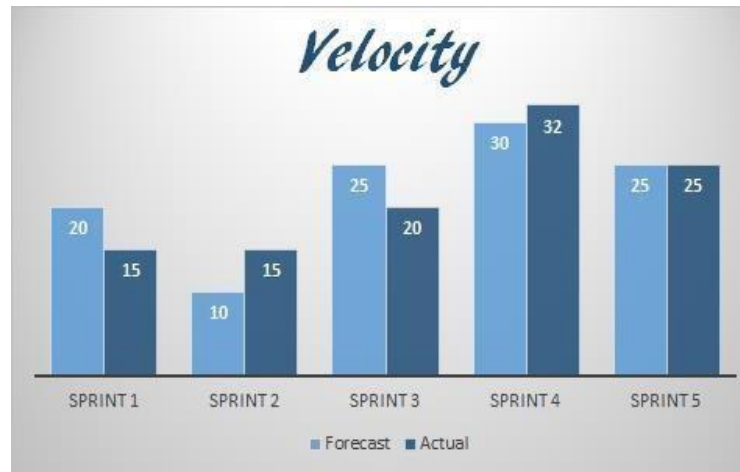
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	28 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	17 Nov 2022

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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

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



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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.

