

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID01342
Project Name	ANALYTICS FOR HOSPITALS' HEALTH-CARE DATA
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Analyze	USN-1	As an admin, I will analyze the given dataset (Data preprocessing)	10	High	ADITHYA R
Sprint-2	Predict	USN-2	As an admin, I will predict the length of stay (Prediction)	20	High	CHARAN K
Sprint-3	Visualization	USN-3	As a user, I can select the visualization type (Creating visualization)	20	Medium	LINGESHWARAN C
Sprint-4	Dashboard	USN-4	As a user, I can upload the datasets to the dashboard and view visualizations (Creating dashboard)	10	Medium	MOHANRAJ V

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	8	7 Days	22 Oct 2022	28 Oct 2022	20	
Sprint-2	8	8 Days	29 Oct 2022	05 Nov 2022	20	
Sprint-3	5	3 Days	06 Nov 2022	08 Nov 2022	20	
Sprint-4	5	4 Days	09 Nov 2022	12 Nov 2022	20	

Velocity:

Imagine we have a 6-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)

$$AV = \frac{\text{Sprint duration}}{\text{Velocity}} = \frac{20}{6} = 3.33$$

Burndown Chart:

