

PROJECT PLANNING PHASE

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

Date	22 October 2022
Team ID	PNT2022TMID53213
Project Name	Visualizing and Predicting Heart Disease with an Interactive Dashboard
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	Data Collection	USN-1	The dataset is collected and the understanding of dataset is done to present the analytics to the user.	2	High	Jamuna. B Harikrishnan. B Janani. M Keerthana. R
	Data Preparation	USN-2	Data preparation is done to restructure and clean the data.	3	High	Jamuna. B Harikrishnan. B Janani. M Keerthana. R
Sprint-2	Data Exploration	USN-3	As a user, I can view the visualized data to get the better understanding about the Heart Disease	8	High	Jamuna. B Harikrishnan. B Janani. M Keerthana. R
Sprint-3	Dashboard Creation	USN-4	As a user, I can view the different visualizations and predicting the Heart Disease in the dashboard.	8	High	Jamuna. B Harikrishnan. B Janani. M Keerthana. R
Sprint-4	Report creation	USN-5	As a user, I can get the automated prediction about the Heart condition. It can also answer the complex queries for diagnosing heart disease.	8	High	Jamuna. B Harikrishnan. B Janani. M Keerthana. R
	Story creation	USN-6	As a user, I can view the story to get the better understanding of the Heart condition. It can be helpful to health care practitioners to make intelligent clinical decisions based on the story.	8	High	Jamuna. B Harikrishnan. B Janani. M Keerthana. R

	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	5	6 Days	23 Oct 2022	28 Oct 2022	5	28 Oct 2022
Sprint – 2	8	6 Days	30 Oct 2022	04 Nov 2022	8	04 Nov 2022
Sprint – 3	8	6 Days	05 Nov 2022	10 Nov 2022	8	10 Nov 2022
Sprint – 4	16	6 Days	11 Nov 2022	16 Nov 2022	16	16 Nov 2022

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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)

$$AV = \frac{\text{Sprint Duration}}{\text{Velocity}} = \frac{20}{10} = 2$$

Sprint	Story Points	Duration	Average Velocity
Sprint – 1	5	6 Days	0.83
Sprint – 2	8	6 Days	1.33
Sprint – 3	8	6 Days	1.33
Sprint – 4	16	6 Days	2.66
Total	37	24 Days	1.54

Burndown Chart:

