Project Planning Phase

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

Date	23 November 2022
Team ID	PNT2022TMID17352
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
Sprint1	Data Preprocessing and Exploratory Data Analysis (EDA)	USN -1	Data Cleaning is implemented to check whether there are any null values, or any outliers are found	10	Medium	S Seetha Lakshmi R Subitsha
		USN-2	Testing and training the data model is implemented using Jupyter Notebook	10	High	S Seetha Lakshmi R Subitsha
Sprint2	Working with dataset	USN-3	1. Working with dataset. 2. Understand dataset 3. Load the Dataset 4. Explore the Data 5. Visualize the Data	20	Medium	S Seetha Lakshmi R Subitsha
Sprint3	Data Visualization	USN-4	We plan to create various graphs and charts to highlight the	20	High	S Seetha Lakshmi R Subitsha

			insights and visualizations with given attributes			
Sprint4	Dashboard	USN-5	Dashboard showing different types of visuals	15	High	S Seetha Lakshmi R Subitsha
		USN-6	User can be able to generate Report and Story	5	Medium	

Project Tracker, Velocity & Burn Down Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story points completed	Sprint Release Date
Sprint-1	20	6 Days	04 November 2022	06 November 2022	20	10 November 2022
Sprint-2	20	6 Days	06 November 2022	08 November 2022	20	10 November 2022
Sprint-3	20	6 Days	08 November 2022	10 November 2022	20	10 November 2022
Sprint-4	20	6 Days	10 November 2022	12 November 2022	20	10 November 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 per iteration unit (Story points per day).

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

$$= 20 / 10$$

$$= 2$$