Project Planning Phase

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

Team ID	PNT2022TMID35144
Project Name	Project – Visualizing and predicting heart diseases with an interactive dashboard
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Subitha N Vinisha L Sujitha S Thanusha B
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Subitha N Vinisha L Sujitha S Thanusha B
Sprint-1	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	Subitha N Vinisha L Sujitha S Thanusha B
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	Subitha N Vinisha L Sujitha S Thanusha B
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Subitha N Vinisha L Sujitha S Thanusha B

Sprint-2	Collecting dataset Uploading the dataset	USN-6	The dataset can be collected from the given data.	2	High	Subitha N Vinisha L Sujitha S Thanusha B
Sprint-2	Codes for dataset	USN-7	The codes for the given dataset can be derived.	2	High	Subitha N Vinisha L Sujitha S Thanusha B
Sprint-3	Dashboard Working with dataset	USN-8	From the dataset, create dashboards.	2	Medium	Subitha N Vinisha L Sujitha S Thanusha B
Sprint-4	Predictive model Data visualization	USN-9	The Predictive analysis on the data is performed by predictive model.	2	High	Subitha N Vinisha L Sujitha S Thanusha B

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	18	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	19	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 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 (AV) per iteration unit (story points per day)

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

Burndown Chart: