Project Planning Phase

Project Planning (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	7 November 2022
Team ID	PNT2022TMID21213
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard
Maximum Marks	4 Marks

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	Kushagra Kapoor, Uma Maheswari
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for theapplication	1	High	Charu Sneha, Uma Maheswari
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email &password	1	High	Priyavarthan, Kushagra Kapoor
Sprint-1	User Interface	USN-4	As a user, I should not need any pre requisites to handle the UI	1	Medium	Charu Sneha, Priyavarthan
Sprint -1	Data Preprocessing	USN-5	As a user, I will cleanse the dataset before building the model by using EDA	2	High	Charu Sneha, Priyavarthan
Sprint-2	Data Visualization	USN-6	As a user I can perform the various data visualizations and view the accuracy of the trained ensembling model.	1	Medium	Priyavarthan, Uma Maheswari
Sprint-2	Prediction	USN-7	As a user, I can check whether there is any heart disease or not	2	High	Uma Maheswari, Kushagra Kapoor

Sprint-3	Dashboard	USN-9	As a user, I Can view all the visualizations Related to heart disease prediction such as whether I have a heart disease or not, BP vs cholesterol etc.,	2	High	Priyavarthan, Kushagra Kapoor
Sprint-3	Present data	USN-8	As a user, will present the data in the IBM cognos analytics platform	2	High	Priyavarthan, Charusneha
Sprint-4	Embedding dashboard, story and report to website	USN-10	As, the user can view the dashboard, story and report after logging to the website.	1	Medium	Kushagra Kapoor, Charu Sneha
Sprint-4	Database Connection to the website	USN-11	As the user, I can store and view all the user details entered in the website	2	High	Uma Maheswari, Charu Sneha
Sprint-4	Deployment in cloud	USN-12	As a user, I will deploy the model into the IBM cloud	2	High	Kushagra Kapoor, Uma Maheswari

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	27 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	30	01 Nov 2022
Sprint-3	20	6 Days	06 Nov 2022	10 Nov 2022	49	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	50	18 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: