Project Planning Phase

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

Date	8 November 2022
Team ID	PNT2022TMID25912
Project Name	Visualizing and predicting heart diseases with an interactive dashboard
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

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.	9	High	Sowmiya
			As a user, I will receive confirmation email once I have registered for the application.	4	Low	Vaishnavi
		USN-2	As a user, I can register for the application through Gmail.	7	Medium	Nishitha
	Login	USN-3	As a user, I can log into the application by entering email & password.	9	High	Sanju
Sprint-2	Working with the Dataset	USN-4	Importing the dataset on cognos platform and understand, clean and prepare the dataset.	9	High	Sowmiya, Sanju
	Data Visualization chart	USN-5	After importing the dataset, we create some visualizations to understand more about the predicting heart diseases.	7	Medium	Vaishnavi, Nishitha
Sprint-3	Creating the Dashboard	USN-6	Creating the dashboard to display the visualizations which gives insights of predicting the Heart diseases.	9	High	Nishitha, Sowmiya, Vaishnavi
Sprint-4	Export the Analytics	USN-7	Exporting the created dashboard to showcase the work to others.	9	High	Sanju, Sowmiya, Vaishnavi

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	08 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	10 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	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:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.