

# Project Planning Phase

## Project Milestone and Activity List

Team ID	PNT2022TMID04435
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard

### Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement	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.	5	High	Premnath S
Sprint - 1		USN - 2	As a user, I will receive a confirmation email once I have registered for the application.	5	High	Ravichandran B
Sprint - 1	Login	USN - 3	As a user, I can log into the application	5	High	Pavithran M

			by entering email & password.			
Sprint - 1	Profile	USN - 4	As a user, I can manage my user profile.	5	High	Ranjith KS
Sprint - 2	Dashboard	USN - 5	As a user, I can view my complete medical analysis.	10	High	Pavithran M
Sprint - 2		USN - 6	As a user, I can view the probability of occurrence of heart disease	10	High	Ranjith K S
Sprint - 3	User Profile	USN - 7	As an admin, I can manage profiles of the users.	10	High	Ravichandran B
Sprint - 3	Queries	USN - 8	As a user, I can ask queries.	10	Medium	Premnath S
Sprint - 4	Helpdesk	USN - 9	As a customer care executive, I can view the questions asked by the users.	8	Medium	Premnath S
Sprint - 4		USN - 10	As a customer care executive, I can answer the questions asked by the users.	8	Medium	Ravichandran B
Sprint - 4	Rating	USN - 11	As a user, I	4	Low	Pavithran M

			can rate the website and provide feedback.			
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## Project Tracker, Velocity & Burndown Chart:

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	31 Oct 2022	05 Nov 2022		
Sprint 2	20	6 days	07 Nov 2022	12 Nov 2022		
Sprint 3	20	3 days	14 Nov 2022	16 Nov 2022		
Sprint 4	20	3 days	17 Nov 2022	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).

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

## Burndown Chart:

A burndown 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.

## Burndown Chart

