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

Date	22 October 2022
Team ID	PNT2022TMID53274
Project Members	Sidharth B, Pandiyarasan D, Alagappan S, Kavinraj S
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Project mentors	Industry mentor - Mahidhar, Saumya Faculty mentor – Dr. MOHANAVALLI S

Product Backlog, Sprint Schedule, and Estimation (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.	5	High	Alagappan S, Kavinraj S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	Sidharth B, Pandiyarasan D
Sprint-1		USN-3	As a user, I can register for the application through GMAIL	2	Low	Pandiyarasan D, Alagappan S
Sprint-1		USN-4	As a user, I can register for the application through Google	2	Medium	Sidharth B

| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 3 | High | Sidharth B, Pandiyarasan D, Alagappan S |
| Sprint-2 | Dashboard | USN-6 | As a User, I can view my complete medical analysis & accuracy and prediction of heart disease in a dashboard | 5 | High | Sidharth B, Pandiyarasan D, Alagappan S, Kavinraj S |

Sprint-2	User entry	USN-7	As a User, I can enter my personal details for analysis	3	High	Pandiyarasan D
Sprint-2		USN-8	As a User, I can entry my medical records & symptoms	3	High	Sidharth B, Alagappan S,
Sprint-3	User profile	USN-9	As a user, I can update the health details of users.	5	High	Sidharth B
Sprint-3	Helpdesk	USN-10	As a user, I can post my queries & view the frequently asked question (FAQ)	5	High	Alagappan S

Sprint-3		USN-11	As an admin, I can view the user queries	3	High	Sidharth B, Kavinraj S
Sprint-4	Rating	USN-12	As a user, I can rate the app and give feedback	2	Low	Kavinraj S
Sprint-4	User profile	USN-13	As an admin, I can update the health details of users.	5	High	Sidharth B
Sprint-4		USN-14	As an admin, I can add or delete users.	3	High	Alagappan S
Sprint-4		USN-15	As an admin, I can manage the user details.	3	High	Pandiyarasan D

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	13	6 Days	24 Oct 2022	29 Oct 2022	13	29 Oct 2022
Sprint-2	13	6 Days	31 Oct 2022	05 Nov 2022	13	05 Nov 2022
Sprint-3	13	6 Days	07 Nov 2022	12 Nov 2022	13	12 Nov 2022
Sprint-4	13	6 Days	14 Nov 2022	19 Nov 2022	13	19 Nov 2022

Velocity:

Imagine we have a 6-day sprint duration, and the velocity of the team is 13 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = Sprint\ duration/Velocity = 13/6 = 2.16$$

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.

Burndown Chart

Actual effort — Estimated effort