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

Date	27 October 2022
Team ID	Team-591156
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
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	Project Setup and development	USN-1	Set up the development environment with the required tools and frameworks to start the visualisng and predicting heart disease. Gathering related data.	5	Medium	Keerthi,Revanth, Vishnu Priya Sruthi
Sprint-2	Data Preprocessing	USN-2	Preprocess the collected dataset by normolising and transforming	5	Medium	All Menbers
Sprint-3	DashBoards and Visualisations	USN-3	Creating visualizations and stories and predicting the Disease with RandomForest Algorithm	5	Medium	All Members
Sprint-4	Testing quality	USN-4	conduct thorough testing of the model and web interface to identify and report any issues or bugs.	5	Medium	All Members

Project Tracker, Velocity & Burndown Chart: (4 Marks)

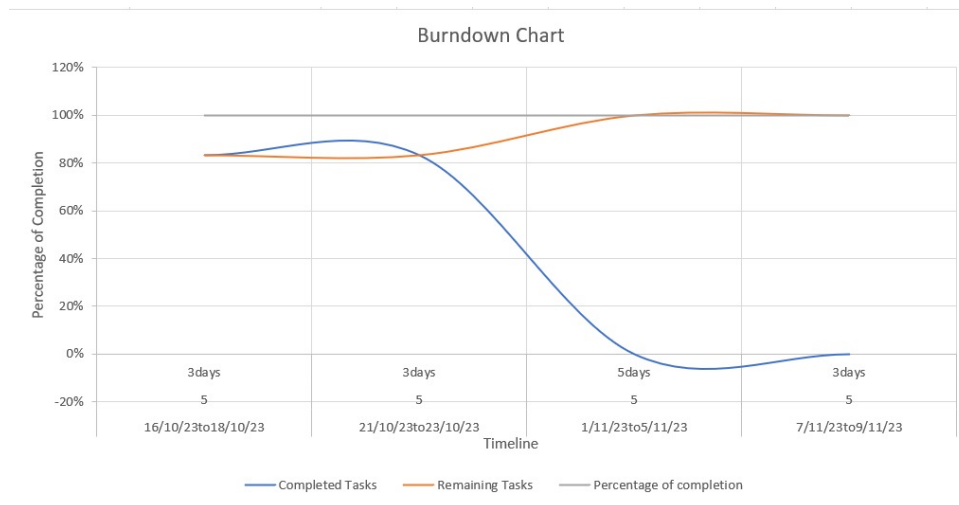| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	5	3Days	16 Oct 2023	18 Oct 2023	20	28 Oct 2023
Sprint-2	5	3Days	21 Oct 2023	23 Oct 2023		
Sprint-3	5	5Days	1 Nov 2023	5 Nov 2023		
Sprint-4	5	3 Days	7 Nov 2023	9 Nov 2023		

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)

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

BurndownChart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies suchas Scrum.However,burn down chartscanbe appliedto anyprojectcontaining measurableprogressovertime.

Reference:

https://www.atlassian.com/agile/project-

managementhttps://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-

jira-

softwarehttps://www.atlassian.com/agile/tutorials/epicshttps://www.atlassia

n.com/agile/tutorials/sprintshttps://www.atlassian.com/agile/project-

management/estimationhttps://www.atlassian.com/agile/tutorials/burndown-

charts