Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID32703
Project Name	Project – Visualizing and Predicting Heart Diseases with an Interactive Dashboard
Maximum Marks	8 Marks

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	Dataset collection	USN-1	Dataset Collection The data required for analysis and prediction must be collected from various sources	10	High	R.Kawshika, Brundashree.R, Manashi V J, Madhumitha.R
Sprint 1	Dataset cleaning	USN-1	Dataset Cleaning Dataset cleaning will eliminate duplicate data and reduce data redundancy.	10	Medium	R.Kawshika, Brundashree.R, Manashi V J, Madhumitha.R
Sprint-1	Exploring dataset	USN-2	Exploring the data set. The data set would be explored to find the general trends of the data set.	10	High	R.Kawshika, Brundashree.R, Manashi V J, Madhumitha.R
Sprint-2	Creating dashboard	USN-3	Creation of the dashboard. The dashboard will be created using IBM cloud and IBM Cognos Analytics.	20	High	R.Kawshika, Brundashree.R, Manashi V J, Madhumitha.R
Sprint-3	Uploading dataset	USN-4	Uploading the data set to the dashboard. This uploaded data set will be used for the exploration and visualization.	20	High	R.Kawshika, Brundashree.R, Manashi V J, Madhumitha.R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Visualizing dataset	USN-5	Visualizing and Predicting data. The explored dataset with their trends beings spotted would be visualized and predicted.	10	High	R.Kawshika, Brundashree.R, Manashi V J, Madhumitha.R
Sprint-5	Stories	USN-6	Stories A detailed story on the analysis and the prediction of the data should be projected.	10	Medium	R.Kawshika, Brundashree.R, Manashi V J, Madhumitha.R
Sprint-5	Reporting	USN-7	Presenting the final report. The final report with the exploration and visualization would be presented.	10	High	R.Kawshika, Brundashree.R, Manashi V J, Madhumitha.R

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	30	6 Days	24 Oct 2022	29 Oct 2022	30	31 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	07 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	14 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	21 Nov 2022
Sprint-5	20	6 Days	19 Nov 2022	25 Nov 2022	0	27 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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

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

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

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

https://www.atlassian.com/agile/tutorials/burndown-charts