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

Date	4 November 2022
Team ID	PNT2022TMID36371
Project Name	Project – Visualizing and predicting heart disease 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	Database Connectivity and Upload of data set	USN-1	We need to collect and fetch the dataset from the external API and connect it with database using IBM Cognos and upload the dataset	2	High	Kevin Daniel P Jothi Lingam S Gunaseelan E Karthick G Karthick G
Sprint-1	Data Modules & Data Exploration	USN-2	With the uploaded dataset we create a data module and perform data exploration	1	Medium	Kevin Daniel P Jothi Lingam S Gunaseelan E Karthick G Karthick G
Sprint-2	Dashboard	USN-3	Create an interactive dashboard after performing the data exploration	2	High	Kevin Daniel P Jothi Lingam S Gunaseelan E Karthick G Karthick G
Sprint-3	Report and Stories	USN-4	Create Report and User stories based on the dashboard	2	High	Kevin Daniel P Jothi Lingam S Gunaseelan E Karthick G Karthick G

Sprint-4	Web Application	USN-5	Create a web application for dashboard, report and user stories	1	High	Kevin Daniel P Jothi Lingam S Gunaseelan E Karthick G Karthick G

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	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 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)

$$AV = Sprint\ duration/Velocity$$

$$= 20/6$$

$$= 3.33$$

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.