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

Date	25 October 2022
Team ID	PNT2022TMID27483
Project Name	Project - Analytics for Hospitals Healthcare Data
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Set Cleaning and Preparation	USN-1	As a healthcare data provider, I need to provide clean and proper data for further analysis.	10	Medium	Joy Infanta J
Sprint-1	Uploading data set in IBM DB2	USN-2	As a healthcare data provider, I need to have the data stored in the cloud for easy access.	10	Medium	Joy Infanta J
Sprint-2	Data Exploration and Visualization	USN-3	As a healthcare data provider, I need to provide various visualizations for analysis.	20	High	Infant Benita L
Sprint-2	Dashboard Creation	USN-4	As a healthcare data provider, I need to provide interactive dashboards to analyze the data.	20	High	Judes Jovina W
Sprint-3	Report Creation	USN-5	As a healthcare data provider, I need to provide interactive reports to analyze the data.	20	High	Ponmani PR
Sprint-3	Story Creation	USN-6	As a healthcare data provider, I need to provide interactive storyboards to analyze the data.	10	Medium	Infant Benita L
Sprint-4	Embedding in website	USN-7	As a healthcare data provider, I need a collective website to show all the analyses.	20	High	Ponmani PR

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint EndDate (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	22 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	40	6 Days	31 Oct 2022	05 Nov 2022	40	05 Nov 2022
Sprint-3	30	6 Days	7 Nov 2022	12 Nov 2022	30	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)

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

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.