Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID52975
Project Name	Analytics for Hospitals' Health Care Data
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	Data Set Collection	USN-1	The user requires past health care data about the patient for further analysis.	5	Medium	Padmacharan D, Tharun Arasu S.K
Sprint-1	Data Exploration	USN-2	Exploring the data set and cleaning the data if required.	5	High	Padmacharan D, Tharun Arasu S.K
Sprint-2	Visualisation	USN-3	User can create various visualisations for better understanding of different parameters.	10	High	Prasanna K, Sidhesh R Allu
Sprint-3	Dashboard Creation	USN-4	For better user experience and viewing of visualisations dashboard can be used.	10	Medium	Padmacharan D, Tharun Arasu S.K, Prasanna K, Sidhesh R Allu
Sprint-4	Prediction	USN-5	The user can predict the length of stay (LOS) of patient from past health care data.	10	High	Padmacharan D, Tharun Arasu S.K, Prasanna K, Sidhesh R Allu

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	10	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	10	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)

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