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

Date	22 October 2022
Team ID	PNT2022TMID26228
Project Name	Analytics of Hospital Health-Care data
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	Retrieve Data	USN-1	As a user, I should get a clearer clinical contextfor AIDS patient's unique case	10	Medium	Vishali M, Nanditha V
Sprint-1	Visualize the data	USN- 2	As a user, I need a nicely visualized dashboard ofthe number of beds occupied and the number of free beds in a hospital.	20	High	Vaidegi B, Divya darshani R, Vishali M
Sprint-2	Track of patient visit of the Hospital	USN-3	Tracking a patient's Health care over years of visits and Screening of data they have in hospital.	10	Medium	Vaidegi B, Nanditha V
Sprint -2	Dashboard	USN - 4	As a user , I want the interactive dashboard to analyze the data.\n\nHave the data in terms of Graph.	20	High	Nanditha V, Divya darshani R
Sprint-3	Detailed EHR's of patient	USN-5	Provided greater details in the EHR's of the individual patient with clear idea of what to do.	10	Medium	Vishali M, Divya darshani R
Sprint- 3	Story Creation	USN-6	As a user , I need the story animation of the data set with insights	20	High	Vaidegi B
Sprint-4	Predict LOS	USN-7	As a user, I want a flawless system to predict the length of stay of the patients	20	High	Vishali M, Nanditha V, Divya darshani R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Using ML algorithm for Prediction	USN-8	As a user, I must have prior knowledge of LOS can aid in logistics such as room and bedallocation planning.	20	High	Nanditha V

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)

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