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

Date	**18 October 2022**
Team ID	**PNT2022TMID21554**
Project Name	**Analytics for Hospitals' 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	User Registration	USN-1	As a user, I can able to register to the portal with my email , password	2	High	SRI RAM PRASAD S
		USN-2	As a user , I will receive a confirmation email once I have successfully registered to the portal	1	Medium	SHUJAT HUSSAIN

Sprint-1	Analyzing the hospital's data	USN- 3	As a user, I want to analyze the hospital data in terms of availability of beds , Length of stay and etc..	1	High	SURYA S
Sprint-2	Track of patient visit of Hospital	USN-4	Tracking a patient Health care over years of visit and Screening of data they have in hospital.	2	Medium	NAMGAIL DORJAY
Sprint -2	Dashboard	USN - 5	As a user , I want the interactive dashboard to analyze the data.	2	High	SHUJAT HUSSAIN, SRI RAM PRASAD S
Sprint-4	Predict LOS	USN-6	As a user, I want the flawless system to predict the length of stay of the patients	2	High	SRI RAM PRASAD S, SURYA S
Sprint-3	Using ML algorithm for Prediction	USN-7	As a user, I need prior knowledge of LOS can aid in logistics such as room and bed allocation planning.	20	High	NAMGAIL DORJAY, SHUJAT HUSSAIN

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)

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