Project Planning Phase

Date	28 October 2022
Team ID	PNT2022TMID02666
Project Name	Project - 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	I should extract the right kind of data that helps me in the analysis process.	15	High	Dineshkumar S Madhavan V Megha V Jothilakshmi S
Sprint-1	Visualize the data	USN- 2	I need nicely visualized dashboard representing LOS of patients	5	Medium	Dineshkumar S Madhavan V Megha V Jothilakshmi S
Sprint-2	Track of patient visit of Hospital	USN-3	Tracking a patient Health care over years of visit	5	Medium	Dineshkumar S Madhavan V Megha V Jothilakshmi S
Sprint -2	Dashboard Analysis	USN - 4	Build interactive dashboard to analyze the data in terms of Graph,plots etc..	15	High	Dineshkumar S Madhavan V Megha V Jothilakshmi S
Sprint- 3	Story Creation/Story Boarding	USN-5	I need the story animation of thedata set with insights.	20	Medium	Dineshkumar S Madhavan V Megha V Jothilakshmi S
Sprint-4	LOS prediction	USN-6	To predict the length of stay of the patients as accurate as possible	10	High	Dineshkumar S Madhavan V Megha V Jothilakshmi S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	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.	`10	High	Dineshkumar S Madhavan V Megha V Jothilakshmi S

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)

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