

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

Date	18 October 2022
Team ID	PNT2022TMID42998
Project Name	Project - Analytics of Hospital's 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 clearer clinical context for AIDS patient's unique case	10	High	Mugilarasan R Rakesh S
Sprint-1	Visualize the data	USN-2	As a user, I need nicely visualized dashboard of number of beds	20	High	Jegatheeshwaran p Naveen nickel N

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Track of patient visit of Hospital	USN-3	Tracking a patient Health care over years of visit and Screening of data they have in hospital.	10	Low	Mugilarasan R Rakesh S
Sprint-2	Dashboard	USN-4	As a user , I want the interactive dashboard to analyze the data. Have the data in terms	20	Medium	Jegatheeshwaran p Naveen nickel N
Sprint-3	Detailed EHR's of patient	USN-5	Provided greater details in the EHR's of individual patient with clear idea of what to	10	High	Mugilarasan R Rakesh S
Sprint-3	Story Creation	USN-6	As a user , I need the story animation of the data set with insigh	20	Low	Jegatheeshwaran p Naveen nickel N
Sprint-4	Predict LOS	USN-7	As a user, I want the flawless system to predict the length of	10	High	Mugilarasan R Rakesh S Jegatheeshwaran p
Sprint-4	Using ML algorithm for Prediction	USN-8	As a user,I need prior knowledge of LOS can aid in logistics such as room and bed allocation planning	20	Medium	Mugilarasan R Rakesh 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	7 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	16 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)

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