

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

Date	26 October 2022
Team ID	PNT2022TMID41523
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	As a user, I should get clearer clinical context for AIDS patient's unique case	10	Medium	M.Suba C.Magimai illakkiya mary
Sprint-1	Visualize the data	USN- 2	As a user,I need nicely visualized dashboard of number of beds occupied and number of free beds in hospital.	20	High	M.Suba C.Magimai illakkiya mary S.Priya jency SB.Sneha
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	Medium	M.Suba C.Magimai illakkiya mary S.Priya jency SB.Sneha
Sprint -2	Dashboard	USN - 4	As a user , I want the interactive dashboard to analyze the data. Have the data in terms of Graph.	20	High	M.Suba C.Magimai illakkiya mary S.Priya jency SB.Sneha
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 do.	10	Medium	C.Magimai illakkiya mary S.Priya jency SB.Sneha
Sprint- 3	Story Creation	USN-6	As a user , I need the story animation of the data set with insights	20	High	M.Suba C.Magimai illakkiya mary S.Priya jency SB.Sneha
Sprint-4	Predict LOS	USN-7	As a user, I want the flawless system to predict the length of stay of the patients	20	High	M.Suba C.Magimai illakkiya mary S.Priya jency SB.Sneha

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 need prior knowledge of LOS can aid in logistics such as room and bed allocation planning.	20	High	M.Suba C.Magimai illakkiya mary S.Priya jency SB.Sneha

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)

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