Project Planning Phase

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

Date	2 November 2022
Team ID	PNT2022TMID48286
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 clearer clinical context for AIDS patient's unique case	10	Medium	Thoondi muthu R Ramar R
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	Thoondi muthu R Ramar R
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	Ramar R Amrish R
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	Amrish R Ramar R
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	Thoondi muthu R Kannadasan P
Sprint- 3	Story Creation	USN-6	As a user , I need the story animation of the data set with insights	20	High	Thoondi muthu R Kannadasan P
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	Amrish R Kannadasan P

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	Amrish R Kannadasan P

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	3 Days	1 Nov2022	3 Nov 2022	20	4 Nov 2022
Sprint-2	20	4 Days	4 Nov 2022	07 Nov 2022	20	08 Nov 2022
Sprint-3	20	5 Days	08 Nov 2022	12 Nov 2022	20	13 Nov 2022
Sprint-4	20	7 Days	13 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)

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

Burndown Chart:

Task	Hours	Day 1	Day 2	Day 3	Day 4	Day 5 -6	Total
TASK 1	08	2	2	2	0	2	08
TASK 2	08	1	2	2	1	2	08
TASK 3	10	4	0	3	3	0	10
TASK 4	10	0	3	3	4	0	10
TASK 5	10	2	0	4	2	2	10
TASK 6	10	4	2	0	3	1	10
TASK 7	10	0	2	2	2	4	10
TASK 8	10	3	1	0	4	3	10
TASK 9	04	1	1	1	0	1	10


90
80
70
60
50
40
30
20
10
0%
Day 1
Day 2
Day 3
Day 4
Day 5-6