Project Planning Phase

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

Date	26 October 2022
Team ID	PNT2022TMID07365
Project Name	Project - Analytics of Hospital Health care data

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Data about the patient admitted in the hospital and dataset is prepared based on it .	2	Medium	Mohammed Arsac M Nandhu C
Sprint-1	Data Exploration	USN- 2	Visualization of the dataset helps in understanding the pattern in hospital scheduling .	4	High	Mohammed Arsac M Nandhu C Nithinson J Sanjesh SV
Sprint-2	Track of patient visit of Hospital	USN-3	Analyzing and screening of the data that the hospitals have ,over years of the data.	2	Medium	Nithinson J Sanjesh SV Mohammed Arsac M

Sprint -2	Dashboard	USN - 4	As a user, I want the interactive dashboard to analyse the data. Have the data in terms of Graph.	4	High	Sanjesh SV Nandhu C
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.	2	Medium	Mohammed Arsac M Sanjesh SV
Sprint- 3	Story Creation	USN-6	Story animation of the dataset of the recorded data would be helpful for creating new patterns .	4	High	Nandhu C Mohammed Arsac M Nithinson Raj J
Sprint-4	Predict LOS	USN-7	As a user, I want the algorithm to predict the length of stay of the patients	4	High	Nandhu C Mohammed Arsac M Sanjesh SV
Sprint-4	Using 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.	4	High	Sanjesh SV Nithinson Raj J

Project Tracker, Velocity & Burndown Chart:

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)

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

Burn Down Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

SPRINT	DATE	ESTIMATED EFFORT	ACTUAL EFFORT
SPRINT-1	24-OCT-22	20	20
	25-0CT-22	19	20
	26-OCT-22	18	19
	27-OCT-22	17	19
	28-OCT-22	17	18

	29-OCT-22	16	17
	30-OCT-22	15	15
SPRINT-2	31-OCT-22	14	13
	01-NOV-22	13	12
	02-NOV-22	12	11
	03-NOV-22	11	11
	04-NOV-22	11	11
	05-NOV-22	10	9
	06-NOV-22	10	8
	07-NOV-22	8	7
SPRINT-3	08-NOV-22	7	6
	09-NOV-22	8	6
	10-NOV-22	5	5
	11-NOV-22	5	6
	12-NOV-22	5	5

	13-NOV-22	4	3
SPRINT-4	14-NOV-22	4	4
	15-NOV-22	3	3
	16-NOV-22	2	2
	17-NOV-22	2	2
	18-NOV-22	1	1
	19-NOV-22	1	1

Progress Burdown Chart

Estimated Effort — Actual Effort