

## Project Planning Phase

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

<b>Date</b>	26 October 2022
<b>Team ID</b>	PNT2022TMID48326
<b>Project Name</b>	Project - Analytics of Hospital Health care data

### Product Backlog, Sprint Schedule, and Estimation

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-1	Data Collection	USN-1	Data about the patient admitted in the hospital and dataset is prepared based on it .	2	Medium	Harish Jeevitha
Sprint-1	Data Exploration	USN- 2	Visualization of the dataset helps in understanding the pattern in hospital scheduling .	4	High	Harish Jeevitha Selsiya Bala
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	Harish Jeevitha Selsiya Bala

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	Harish Jeevitha
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	Bala Selsiya
Sprint- 3	Story Creation	USN-6	Story animation of the dataset of the recorded data would be helpful for creating new patterns .	4	High	Harish Jeevitha Bala
Sprint-4	Predict LOS	USN-7	As a user, I want the algorithm to predict the length of stay of the patients	4	High	Jeevitha Selsiya Bala
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	Selsiya Bala

**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)

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

### 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-OCT-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

