

## Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID30183
Project Name	ANALYTICS FOR HOSPITALS' 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	Analyse	USN-1	As an admin, I will analyse the given dataset (Data pre-processing)	8	High	Sri Padma Priyadharshini S
Sprint-2	Predict	USN-2	As an admin, I will predict the length of stay (Prediction)	8	High	Rimali S
Sprint-3	Visualization	USN-3	As a user, I can select the visualization type (Creating visualization)	5	Medium	Saran S
Sprint-4	Dashboard	USN-4	As a user, I can upload the datasets to the dashboard and view visualizations (Creating dashboard)	5	Medium	Pravin A

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	5	7 Days	22 Oct 2022	28Oct 2022		
Sprint-2	8	8 Days	29 Oct 2022	05 Nov 2022		
Sprint-3	3	3 Days	06 Nov 2022	08 Nov 2022		
Sprint-4	3	4 Days	09 Nov 2022	12 Nov 2022		

**Velocity:**

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

Average velocity for sprint-1:

$$AV = 8/7 = 1.14$$

Average velocity for sprint-2:

$$AV = 8/8 = 1$$

Average velocity for sprint-3:

$$AV = 5/3 = 1.67$$

Average velocity for sprint-4:

$$AV = 5/4 = 1.25$$

## Burndown Chart:

