

## Project Planning Phase

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

Date	31 October 2022
Team ID	PNT2022TMID39445
Project Name	Project - Analytics for Hospitals' Health-Care Data
Maximum Marks	8 Marks

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Priyadharshini K, Koteeswaran V
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Priyadharshini K, Srikanth V
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Priyadharshini K , Vignesh E
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Priyadharshini K , Koteeswaran V
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Priyadharshini K , Srikanth V
Sprint-2	Uploading Patient details	USN-6	As a user,I can upload all the patient details	2	High	Priyadharshini K , Vignesh E
Sprint-3	Predict LOS	USN-7	Predict the Length Of Stay of each patient on case by case	2	High	Priyadharshini K , Koteeswaran V. Srikanth V

<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-3	Generate Report	USN-8	Generates various Reports of the patient	2	High	Priyadharshini K. Srikanth V, Vignesh E
Sprint-4	Resource Allocation	USN-9	Do Optimal Resource Allocation and Better Functioning	2	High	Priyadharshini K , Vignesh E
Sprint-4	Database	USN-10	Maintain the database of patient information and health care data	1	Low	Priyadharshini K, Koteeswaran V

#### 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	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

We have a 6-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)

$$AV = \text{sprint duration} / \text{velocity} = 20 / 6 = 3.333$$

### Burndown 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.

