

## Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID21880
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	Register	USN-1	As a Admin, I can register users and provide username and password.	10	Medium	Aruna S Lancy S
Sprint-1	Login	USN-1	As a user, I can login into the website/ application using username and password	20	High	Aruna S Lancy S
Sprint-2	Dashboard	USN-2	As a user, I can add Patient Details like Patient name, contact number, age etc.	10	High	Aruna S Janani N
Sprint-2	Dashboard	USN-3	As a user, I can add bed details, Doctor details and other hospital detail.	10	High	Aruna S Janani N
Sprint-3	Dashboard	USN-4	As a user, I can upload patient medical reports.	20	High	Aruna S Janani N Lancy S
Sprint-4	Virtualize	USN-5	As a user, I can virtualize the data which are analyzed	20	High	Aruna S Janani N Lancy S

### 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	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)

$$AV = \frac{\text{SPRINT DURATION}}{\text{VELOCITY}} = \frac{20}{10} = 2$$

#### 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.

