

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

Date	18 October 2022
Team ID	PNT2022TMID14546
Project Name	Project - Visualizing and Predicting Heart Diseases with an Interactive Dashboard
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

<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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Raswanth
		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	Aswath
	Login	USN-3	As a user, I can log into the application by entering email & password	4	High	Indu Nandhana
Sprint-2	Dashboard	USN-4	User can view his/her complete medical analysis and accuracy of disease prediction	5	High	Gokula Sree
		USN-5	User can view the accuracy of occurrence of heart disease	5	High	Raswanth, Gokula Sree
Sprint-3	Helpdesk	USN-6	As a customer care executive, he/she can view the customer queries	5	Medium	Aswath,Indu Nandhana

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-7	As a customer care executive, he/she can answer the customer queries.	5	High	Raswanth
Sprint-4	User profile	USN-8	As an admin, he/she can update the health details of users	3	High	Aswath
		USN-9	As an admin, he/she can add or delete users	3	High	Indu Nandhana
		USN-10	As an admin, he/she can manage the user details	4	High	Gokula Sree

**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	10	5 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	5 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	5 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	5 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

**Velocity:**

Imagine we have a 5-day sprint duration, and the velocity of the team is 10 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$\begin{aligned} AV &= \frac{\text{Sprint Duration}}{\text{Velocity}} \\ &= 10 / 5 = 2 \end{aligned}$$

### 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.

