

# Project Planning Phase

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

Date	21st October 2022
Team ID	PNT2022TMID02667
Project Name	Project - Visualizing and Predicting Heart Diseases with an Interactive Dash Board
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	UI	USN-1	Authentication	5	Low	Aparna K, Grace Ebenezer R
Sprint-1	UI	USN-2	Patient form, doctor form	15	High	Aparna K, Grace Ebenezer R
Sprint-2	Dashboard	USN-3	Homepage for doctor and patient	10	Medium	Aparna K, Grace Ebenezer R
Sprint-2	Classification Model	USN-4	Model for classifying and predicting heart diseases	10	Medium	Darwesh Fazil,Abiraj
Sprint-3	Database	USN-5	Table creation and DB connectivity	5	Low	Darwesh Fazil,Abiraj

<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	Data API	USN-6	Backend interface for providing data	15	High	Darwesh Fazil, Abiraj
Sprint-4	Visualization and Charts	USN-7	Visualizing user data using different types of charts	10	Medium	Grace Ebenezer, Aparna, Darwesh Fazil
Sprint-4	API Integration	USN-8	Populating UI with dynamic data	5	Low	Abiraj R, Grace Ebenezer R, Aparna K
Sprint-4	Unit Testing	USN-9	Testing the core functions	5	Low	Abiraj R, Grace Ebenezer R, Aparna, Darwesh Fazil

**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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

**Reference:**

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>