

## **PROJECT PLANNING PHASE**

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

<b>Date</b>	<b>22 October 2022</b>
<b>Team ID</b>	<b>PNT2022TMID21605</b>
<b>Project Name</b>	<b>Visualizing and Predicting Heart Disease with an Interactive Dashboard</b>
<b>Maximum Marks</b>	<b>8 Marks</b>

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

<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>
<b>Sprint-1</b>	Data Collection	USN-1	The dataset is collected and the understanding of the dataset is done to present the analytics to the user.	2	High	Annamalai J Ashwin R Darrel P Deepak krishna
	Data Preparation	USN-2	Data preparation is done to restructure and clean the data.	3	High	Annamalai J Ashwin R Darrel P Deepak krishna
<b>Sprint-2</b>	Data Exploration	USN-3	As a user, I can view the visualized data to get the better understanding about the Heart Disease	8	High	Annamalai J Ashwin R Darrel P Deepak krishna
<b>Sprint-3</b>	Dashboard Creation	USN-4	As a user, I can view the different visualizations and predict the Heart Disease in the dashboard.	8	High	Annamalai J Ashwin R Darrel P Deepak krishna
<b>Sprint-4</b>	Report creation	USN-5	As a user, I can get the automated prediction about the Heart condition. It can also answer the complex queries for diagnosing heart disease.	8	High	Annamalai J Ashwin R Darrel P Deepak krishna
	Story creation	USN-6	As a user, I can view the story to get the better understanding of the Heart condition. It can be helpful to health care practitioners to make intelligent clinical decisions based	8	High	Annamalai J Ashwin R Darrel P

			on the story.			Deepak krishna
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	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
<b>Sprint – 1</b>	5	6 Days	23 Oct 2022	28 Oct 2022	5	28 Oct 2022
<b>Sprint – 2</b>	8	6 Days	30 Oct 2022	04 Nov 2022	8	04 Nov 2022
<b>Sprint – 3</b>	8	6 Days	05 Nov 2022	10 Nov 2022	8	10 Nov 2022
<b>Sprint – 4</b>	16	6 Days	11 Nov 2022	16 Nov 2022	16	16 Nov 2022

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

#### 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)

$$AV = \frac{\text{Sprint Duration}}{\text{Velocity}} = \frac{20}{10} = 2$$

Sprint	Story Points	Duration	Average Velocity
<b>Sprint – 1</b>	5	6 Days	0.83
<b>Sprint – 2</b>	8	6 Days	1.33
<b>Sprint – 3</b>	8	6 Days	1.33
<b>Sprint – 4</b>	16	6 Days	2.66
<b>Total</b>	37	24 Days	1.54

**Burndown Chart:**

