Date	**1 November 2022**
Team ID	**PNT2022TMID53144**
Project Name	**Visualizing and Predicting Heart Diseases with an Interactive Dash Board**

Sprint Delivery Plan

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement	User Story number	User story/task	Story points	Priority	Team Members
Sprint 1	Visualizations and Exploration	USN-1	Need to see visualisations of Age by Chest pain type, BP by age, Exercise angin by chest pain type.	3	High	2
Sprint 1		USN-2	Visualisations for Max HR by Angina, Heart disease for chest pain type and sex.	3	High	2
Sprint 1		USN-3	Visualisations for cholesterol by age colored by sex, Max HR and angina by heart disease.	3	High	2
Sprint 2	Front-end Dashboard	USN-4	Attractive dashboard for the application	3	Medium	2
Sprint 2		USN-5	The user will have to fill in the below 13 fields for the system to predict a disease -Age in year -Gender -Chest pain Type -Fasting Blood Sugar -Resting Electrographic Results -Exercise Induced Angina -Trust Blood Pressure	7	High	2

Sprint 3	Creating ML Model and Flask Interface	USN-6	Creating the ML model	6	High	1
Sprint 3		USN-7	Connect the model to the interface using Flask	6	High	1
Sprint 4	System requirements	USN-8	Hardware Requirement 3. Laptop or PC • i5 processor system or higher • 4 GB RAM or higher • 128 GB ROM or higher 4.Mobile • (Android 12.0 and above)	5	Low	2
Sprint 4		USN-9	Software requirement: Laptop or PC • Windows 10 or higher • Android Studio	5	Medium	4

Project Tracker, Velocity & Burndown Chart:

Sprint	**Total Delivery points**	**Duration**	**Sprint start date**	**Sprint end date**	**Story points completed**	**Sprint release date**
Sprint 1	9	1 week	24th Oct, 2022	30th Oct, 2022	9	30th Oct, 2022
Sprint 2	10	1 week	31st Oct, 2022	06th Nov, 2022	10	06th Nov, 2022
Sprint 3	12	1 week	07th Nov, 2022	13th Nov, 2022	12	13th Nov, 2022
Sprint 4	10	1 week	14th Nov, 2022	20th Nov, 2022	10	20th Nov, 2022

Velocity:

Imagine 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 = Sprint duration / velocity = 20 / 6 = 3

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 suchas Scrum. However, burn down charts can be applied to any project containing measurable progress over time.