

# **Visualizing and Predicting Heart Diseases with an Interactive Dash Board**

**Team ID: PNT2022TMID24011**

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**TEAM MEMBERS:**

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## Project Planning Phase

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

Product Backlog, Sprint Schedule, and Estimation

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement	User Story Number	User Story	Story Points	Priority	Team Members
Sprint-1	Data collection	USN-1	collecting all the data set from kaggle.com	1	low	1
Sprint-1		USN-2	uploading the data into cognos	1	low	4
Sprint-2	data exploration	USN-3	data exploration can be done for	2	Low	4
Sprint-1		USN-4	user can visit the website	2	Medium	3
Sprint-1		USN-5	data preparation and data modules are	1	High	2
Sprint-1	link	USN-6	make link of data	2	High	5
Sprint-1		USN-7	paste it into the website	1	High	2
Sprint-1		USN-8	Home -	2	High	5

Sprint	Functional Requirement	User Story Number	User Story	Story Points	Priority	Team Members
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Sprint-3		US N-9	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(Restecg) -Exercise Induced Angina(Exang) -The slope of the peak exercise ST segment -CA – Number of major vessels colored by fluoroscopy -Thal	2	High	5
sprint-4	story and report		ibm cognos			
Sprint-3	System Requirement	US N-10	I. Hardware <input type="checkbox"/> I5 processor	2	High	2

Sprint	Functional Require	User Story Num	User	Story Points	Priority T	Team Members
			<input type="checkbox"/> 4 GB <input type="checkbox"/> 128 GB ROM or higher			
Sprint-3		US N-11	II. Software Requirement <input type="checkbox"/> Windows <input type="checkbox"/>	2	Medium	2

## Project Tracker, Velocity

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	2	6	24	29	2	29
Sprint 2	2	6	31	05	1	06
Sprint 3	2	6	07	12	2	11
Sprint 4	2	6	14	19	1	19

### 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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$