

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID21560
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard Technology
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Soumyah K M
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Priyanka S
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Ubhanisha Sri C
Sprint-1	Dashboard	USN-4	As a user, I can register for the application through Gmail	2	Medium	Soumyah K M
Sprint-1		USN-5	As a user, I can log into the application by entering email & password	1	High	Ubhanisha Sri C
Sprint 4	Preprocessing	USN-6	As a user, I can enter my data to the website securely	2	High	Priyanka S
Sprint4		USN-7	As a user, I should give all my personal health vitals as inputs	2	High	Heevitha R
Sprint 4		USN-8	As a user, the navigation of the website should be easier.	1	Medium	Soumyah K M
Sprint 4		USN-9	As a user, I can view my results in the dashboard	2	High	Heevitha R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint 3		USN-10	As a administrator, I can add new predictions to training dataset	1	Low	Ubhanisha Sri C
Sprint 3		USN-11	As a administrator, I can remove incomplete records	1	Low	Soumyah K M
Sprint 3		USN-12	As a administrator, I can remove unimportant features	2	High	Priyanka S
Sprint 4	Visualization	USN-13	Having a view with geographic data	2	High	Heevitha R
Sprint 4		USN-14	Analysis of data with IBM cognos analytics	2	High	Priyanka S

#### 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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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>