

Project Planning Phase

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

Date	29 October 2022
Project Name	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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Srinandhini M
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	Anusha T Renisha A Shruthi R
Sprint-1		USN-3	As a user, I can register for the application through Facebook	5	Low	Anusha T Srinandhini M
Sprint-1		USN-4	As a user, I can register for the application through Gmail	3	Medium	Renisha A
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	6	High	Srinandhini M Anusha T Renisha A Shruthi R
Sprint-2	Dashboard	USN-6	Attractive dashboard For the Application	3	Medium	Srinandhini M Anusha T Renisha A
Sprint-2		USN-7	Profile - view & update your profile	5	Low	Renisha A Shruthi R
Sprint-2		USN-8	Home - Analyze your Heart problem	2	High Ranganathan	Srinandhini M Anusha T Renisha A Shruthi R
Sprint-2		USN-9	User fill the details to predict the disease	7	High	Anusha T
Sprint-3	Support	USN-10	Get feedback from users	10	Medium	Srinandhini M Anusha T Renisha A

Sprint-3		USN-11	Responds to user queries via telephone, email etc.	3	Medium	Anusha T Renisha A
Sprint-3		USN-12	The team must respond immediately to the queries based on the priority	5	High	Srinandhini M Anusha T Renisha A Shruthi R
Sprint-4	System Requirements	USN-13	Hardware Requirement 1. Laptop or PC <ul style="list-style-type: none"> • i5 processor system or higher • 4 GB RAM or higher • 128 GB ROM or higher 2. Mobile (12.0 and above)	5	Low	Srinandhini M Shruthi R
Sprint-4		USN-14	Software Requirement 1. Laptop or PC <ul style="list-style-type: none"> • Windows 10 or higher Android Studio	8	Medium	Srinandhini M Anusha T Renisha A Shruthi R

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	30 Oct 2022	04 Nov 2022	17	06 Nov 2022
Sprint-3	20	6 Days	05 Nov 2022	11 Nov 2022	18	11 Nov 2022
Sprint-4	20	6 Days	12 Nov 2022	17 Nov 2022	13	19 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)

$$AV = \text{Sprint duration} / \text{velocity} = 20 / 6 = 3$$

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

