

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID34226
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	R.Manju sarmi
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	C.Anantha devi
Sprint- 1		USN-3	As a user, I can register for the application through Facebook	2	Low	G.S.Athira
Sprint- 1		USN-4	As a user, I can register for the application through Gmail	2	Medium	R.Manju sarmi
Sprint-1		USN-5	As a user, I can log into the application by entering email & password	1	High	G.S.Athira
Sprint 2	Dashboard	USN-6	As a user, I can enter my data to the website securely	2	High	C.Anantha devi

Sprint 2		USN-7	As a user, I should give all my personal health vitals as inputs	2	High	G.S.Abarna
Sprint 2		USN-8	As a user, the navigation of the website should be easier.	1	Medium	R.Manju sarmi
Sprint 3	Preprocessing	USN-9	As a user, I can view my results in the dashboard	2	High	G S.Abarna
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	G.S.Athira
Sprint 3		USN-11	As a administrator, I can remove incomplete records	1	Low	R.Manju sarmi
Sprint 3		USN-12	As a administrator, I can remove unimportant features	2	High	C.Anantha devi
Sprint 4	Visualization	USN-13	Having a view with geographic data	2	High	G.S.Abarna
Sprint 4		USN-14	Analysis of data with IBM cognos analytics	2	High	C.Anantha devi

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/projectmanagement>
<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/projectmanagement/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>