

Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID45417
Project Name	Project - Earlier prediction of chronic kidney disease using machine learning
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.	2	High	Shehha Nivetha Sivaleshwari
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Sowmiya Rasika
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Sivaleshwari Sowmiya Nivetha
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Rasika Shehha
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Nivetha Sowmiya

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Dashboard	USN-6	As a user i can see a dashboard to know a information	1	High	Sivaleshwari Shehha

Sprint	Functional Requirements(EPI C)	User story number	User story/Task	Story points	Priority	Team members
Sprint-1	Its about predicting ckd disease	USN-1	Need to predict ckd disease earlier It should not only focus on physicians alone	20	High	Sivaleshwari Nivetha Shehha
Sprint-2	with help of patients health record and building a machine learning model and feeding the data in our model we can get result	USN-2	Can use patient health information to predict It should focus on both non physician and physician	20	High	Sowmiya Rasika

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>