

Project Planning Phase

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

Date	26 October 2022
Team ID	PNT2022TMID22244
Project Name	Project – Early detection 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	Test Vitals Form	USN-1	Test Vitals should be entered for prediction	13	High	V Mathan
Sprint-1	Result	USN-2	Results will be displayed.	8	High	V Mathan
Sprint-2	User Registration	USN - 3	Enters Mail ID and other personal details required for Registering.	8	Medium	R Harish Kanna
Sprint - 2	User Login	USN - 4	Uses Mail ID and Password for login	8	Medium	R Harish Kanna
Sprint-3	HomePage	USN - 5	Chronic Kidney disease description	5	Low	S Deepak
		USN - 6	Information about Test Vitals required for prediction	5	Low	S Deepak
Sprint - 4	Result	USN - 7	<ul style="list-style-type: none"> If Positive – Test Result ,the Information about what is to be done next will be displayed. If Negative – Test result, preventive measures to prevent themselves from getting Chronic Kidney disease will be displayed. 	5	Low	G Srinath

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members

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	21	6 Days	24 Oct 2022	29 Oct 2022	NIL	NIL
Sprint-2	16	6 Days	31 Oct 2022	05 Nov 2022	NIL	NIL
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	NIL	NIL
Sprint-4	5	6 Days	14 Nov 2022	19 Nov 2022	NIL	NIL

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)

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

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>