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

Date	26 October 2022
Team ID	PNT2022TMID32547
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	S Priyadharshini
Sprint-1	Result	USN-2	Results will be displayed.	8	High	S Priyadharshini
Sprint-2	User Registration	USN - 3	Enters Mail ID and other personal details required for Registering.	8	Medium	Yogasundari T
Sprint - 2	User Login	USN - 4	Uses Mail ID and Password for login	8	Medium	Yogasundari T
Sprint-3	HomePage	USN - 5	Chronic Kidney disease description	5	Low	Thenmozhi C
		USN - 6	Information about Test Vitals required for prediction	5	Low	Thenmozhi C
Sprint - 4	Result	USN - 7	• 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	Priyadharsini V

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	21	29 Oct 2022
Sprint-2	16	6 Days	31 Oct 2022	05 Nov 2022	16	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 NOV 2022
Sprint-4	5	6 Days	14 Nov 2022	19 Nov 2022	5	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)
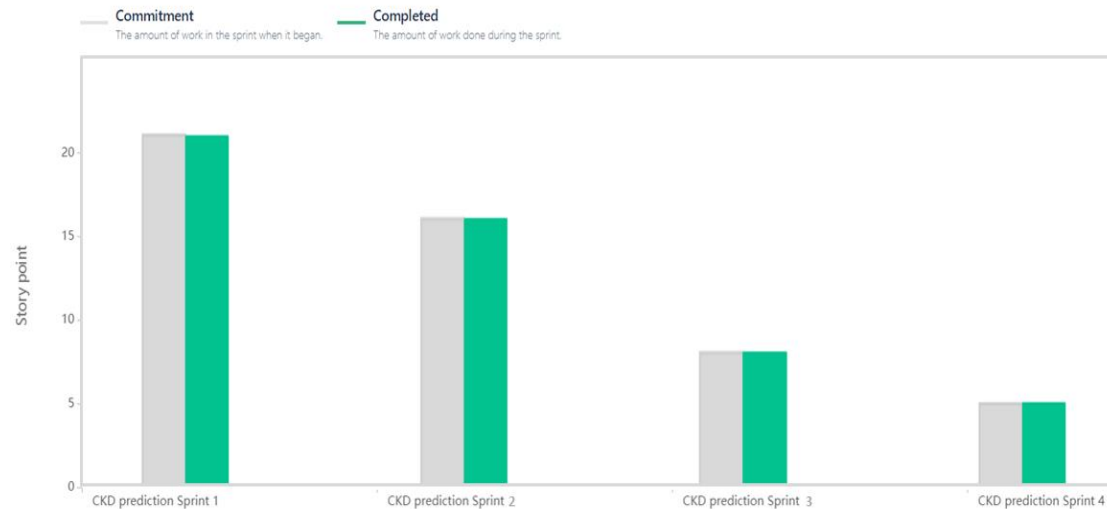
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Velocity Chart :

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.

Sprint 1:

Sprint 2:

Sprint: CKD prediction Sprint 2
Estimation field: Story points

Date - October 31st, 2022 - November 5th, 2022

Remaining work — Number of story points left to complete this sprint
Guideline — Ideal burn rate

Sprint 3 :

Sprint: CKD prediction Sprint 3
Estimation field: Story points

Date - November 7th, 2022 - November 12th, 2022

Remaining work — Number of story points left to complete this sprint
Guideline — Ideal burn rate

Sprint 4: