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

Date	18 October 2022
Team ID	PNT2022TMID53288
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Rakshana, Yamini
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Yamini
Sprint-1		USN-3	As a user, I can register for the application through Gmail	3	Low	Rithanya
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	2	High	Rithanya,Sangamithra
Sprint-2	Dashboard	USN-5	As a user I can view my previous test details and results.	2	Medium	Rakshana, Rithanya
Sprint-2		USN-6	As a user I can view my personal details in the dashboard.	2	Medium	Yamini, Sangamithra
Sprint-2	User Input	USN-7	As a user I will enter the correct input values required for the test to predict CKD.	5	High	Yamini, Rakshana, Rithanya, Sangamithra
Sprint-3	Display Result	USN-8	As a user I can view my test results.	5	High	Yamini, Rakshana, Rithanya, Sangamithra
Sprint-3	Suggestion	USN-9	As a user I can view the suggestions given by the model.	2	Medium	Rakshana

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Feedback	USN-10	As a user I can rate and give feedback to the application.	2	Medium	Sangamithra
Sprint-4	Helpdesk	USN-11	As a user I can post my queries and view the FAQ's	5	Medium	Yamini, Rakshana, Rithanya, Sangamithra
Sprint-4	User Profile	USN-12	As an admin I can manage the details of the users.	4	High	Yamini, Rakshana, Rithanya, Sangamithra

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	9	6 Days	24 Oct 2022	29 Oct 2022	9	29 Oct 2022
Sprint-2	9	6 Days	31 Oct 2022	05 Nov 2022	9	05 Nov 2022
Sprint-3	9	6 Days	07 Nov 2022	12 Nov 2022	9	12 Nov 2022
Sprint-4	9	6 Days	14 Nov 2022	19 Nov 2022	9	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)

$$AV = \text{Sprint Duration/Velocity} = 9/6 = 1.5$$

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.