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

Date	24 October 2022
Team ID	PNT2022TMID01191
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	Home page	USN-1	As a user, I can create a website with home page	5	High	Varunkarthik M Santhoshprabhu M Shunmugavel M Saibhargav Raju C
Sprint-1	Details	USN-2	As a user, I can give the details about the disease	15	High	Varunkarthik M Santhoshprabhu M Shunmugavel M
Sprint-2	Awareness	USN-3	As a user, I can create an awareness about the disease	5	Low	Varun karthik M Saibhargav Raju C
Sprint-2	Diet	USN-4	As a user, I can give the details of the healthy diet	15	Medium	Santhoshprabhu M Shunmugavel M
Sprint-3	Diagnosis	USN-5	As a user I can enter the blood urea details	5	High	Varunkarthik M Santhoshprabhu M
Sprint-3	Glucose	USN-6	As a user, I can enter the glucose random.	10	High	Shunmugavel M Saibhargav Raju C

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Select test	USN-7	As a user, I can select the test details of the patients.	5	Medium	Santhoshprabhu M Saibhargav Raju C
Sprint-4	Data analysis	USN-8	As a user, I can analyse the given data of the patients.	5	High	Varunkarthik M Shunmugavel M
Sprint-4	Prediction of disease	USN-9	As a user, I can predict the results of the patient by build a Machine learning model.	10	High	Varunkarthik M Santhoshprabhu M Shunmugavel M Saibhargav Raju C
Sprint-4	Final Delivery	USN-10	As a user, I can view the results of the patient	5	High	Varunkarthik M Santhoshprabhu M Shunmugavel M

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	30 Oct 2022	20	30 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	06 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	12 Nov 2022	18 Nov 2022	20	18 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).

$$AV = \text{Sprint duration} / \text{Velocity} = 20 / 6 = 3.33$$

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.