Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	22 October 2022
Team ID	PNT2022TMID49652
Project Name	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 web application by entering my E-mail, password, and confirming my password.	9	High	Priyadharshini M, Mari Kumari M, Jaslyn Angel D, Anusuya S
Sprint-1	Verification	USN-2	As a user, I will receive confirmation email once I have registered for the application.	9	High	Priyadharshini M, Jaslyn Angel D.
Sprint-1	Login	USN-3	As a user, I can log into the application by entering E-mail & password.	6	Low	Mari Kumari M, Anusuya S
Sprint-2	Dashboard	USN-4	If the E-mail ID and password is correct, the user can login to web application otherwise it shows ''Incorrect password or ID'.	7	Medium	Priyadharshini M, Mari Kumari M, Jaslyn Angel D, Anusuya S
Sprint-2	Dataset	USN-5	Use the dataset from IBM resources and clean the dataset.	9	High	Priyadharshini M, Mari Kumari M, Jaslyn Angel D.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Model	USN-6	Create, test and save the model.	8	High	Priyadharshini M.
Sprint-3	Display	USN-7	Display user entry form to user.	8	High	Mari Kumari M, Anusuya S
Sprint-3	Enter data	USN-8	Receive data from user as numeric value.	8	High	Priyadharshini M, Jaslyn Angel D, Anusuya S
Sprint-3	Enter data	USN-9	Receive data from user as selection from pull down menu.	8	High	Priyadharshini M, Mari Kumari M. Priyadharshini M, Mari Kumari M, Jaslyn Angel D, Anusuya S
Sprint-4	Select	USN-10	As a user can select prediction.	6	Medium	Jaslyn Angel D, Anusuya S
Sprint-4	View data	USN-11	As a user can view final result.	6	Medium	Priyadharshini M, Jaslyn Angel D.
Sprint-4	Deployment	USN-12	Deploy into IBM cloud.	12	Very high	Priyadharshini M, Mari Kumari M, Jaslyn Angel D, Anusuya S

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	24	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	24	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	24	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	24	19 Nov 2022

Velocity:

Imagine we have an 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)

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

AV of CKD Project = Sprint duration / Velocity = 24/6 = 4