Project Planning Phase

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

Date	15 November 2022
Team ID	PNT2022TMID39626
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	Dataset.	USN-1	Collect the Dataset from the workspace of IBM Student login.	5	Low	Team leader. Team Member-1 Team Member-2 Team Member-3 Team Member-4 Team Member-5
Sprint-1	Model	USN-2	Load dataset and clean dataset, test and save the model and dump pickle.	15	High	Team leader. Team Member-1 Team Member-2 Team Member-3 Team Member-4 Team Member-5
Sprint-2	Home	USN-3	The User can enter into the Home-page.	10	Medium	Team leader. Team Member-1 Team Member-2 Team Member-3 Team Member-4 Team Member-5

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Index	USN-4	Entering of values to predict in index-page	10	Medium	Team leader. Team Member-1 Team Member-2 Team Member-3 Team Member-4 Team Member-5
Sprint-3	Result	USN-5	Result for predicting chronic kidney disease.	15	High	Team leader. Team Member-1 Team Member-2 Team Member-3 Team Member-4 Team Member-5
Sprint-3	Static	USN-6	Gif for the Result	5	Low	Team leader. Team Member-1 Team Member-2 Team Member-3 Team Member-4 Team Member-5
Sprint-4	App.py	USN-7	Build app.py flask file which is a web framework written in python for server side scripting.	10	High	Team leader. Team Member-1 Team Member-2 Team Member-3 Team Member-4 Team Member-5
Sprint-4	Deployment	USN-8	Deploy into IBM Cloud.	10	High	Team leader. Team Member-1 Team Member-2 Team Member-3 Team Member-4 Team Member-5

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

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