Project Planning Phase

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

Date	4 October 2022
Team ID	PNT2022TMID45623
Project Name	Statistical Machine Learning Approaches To Liver Disease Prediction
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	User Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	sneha R sneka A Janani C.M Dhanalakshmi P
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password	2	High	sneha R sneka A Janani C.M Dhanalakshmi P
Sprint-2	Dashboard	USN-3	As a user, I can access the dashboard of the application.	1	Medium	sneha R sneka A Janani C.M Dhanalakshmi P
Sprint-2	User Input Medication Data	USN-4	As a user, I can enter input data for disease prediction	2	High	sneha R sneka A Janani C.M Dhanalakshmi P
Sprint-3	Provide Output to the User	USN-5	As a user, I will get the results of disease prediction in the dashboard	2	High	sneha R sneka A Janani C.M Dhanalakshmi P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Data Analysis	USN-6	As a admin, I can develop modules for preprocessing and data storage	1	Medium	sneha R sneka A Janani C.M Dhanalakshmi P
Sprint-4	Prediction of disease	USN-7	As a admin, I will build machine learning model to predict the disease	2	High	sneha R sneka A Janani C.M Dhanalakshmi P
Sprint-4	Final Delivery	USN-8	Deploy the application in IBM cloud and make it available for use	2	High	sneha R sneka A Janani C.M Dhanalakshmi P

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 6-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= Sprint Duration/Velocity =20/6=3.33

Burndown Chart: