Project Planning Phase

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

Date	29 October 2022
Team ID	PNT2022TMID53422
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming password.	5	High	Srija
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Sri Sarini
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	10	Medium	Sai Madhuree
Sprint-2	Input Necessary Details	USN-4	As a user, I can give input test details to predict liver disease	15	High	Saayi Shree
Sprint-2	Data Pre-Processing	USN-5	Transform raw data into appropriate format for prediction	5	High	Srija
Sprint-3	Prediction of Liver Disease	USN-6	As a user I can get the results of liver disease prediction	15	High	Sri Sarini
Sprint-3		USN-7	As a user I can get accurate results of liver disease	5	Medium	Sai Madhuree
Sprint-4	Review	USN-8	As an admin I reinforce the result of prediction	20	High	Saayi Shree

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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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)

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

Burndown Chart: