Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID24853
Project Name	STATISTICAL MACHINE LEARNING APPROACH TO LIVER DISEASE PREDICTION
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection and Data Preprocessing	USN-1	As a user, I will get the data and take it as a input	10	Medium	YARRADODDI CHATURYA,ALLA MOUNIKA, KOMERLA VENKATA SHANMUKHA SARVARI, MURALASETTY JAYASREE
Sprint-2	Visualize the data	USN- 2	AS a user, I will get the visualization of the data for further understanding.	20	High	YARRADODDI CHATURYA,ALLA MOUNIKA, KOMERLA VENKATA SHANMUKHA SARVARI, MURALASETTY JAYASREE
Sprint-3	Training and Testing the model	USN-3	I will train and test the ML Model with higher accuracy and model performance.	10	Medium	YARRADODDI CHATURYA,ALLA MOUNIKA, KOMERLA VENKATA SHANMUKHA SARVARI, MURALASETTY JAYASREE
Sprint-4	Deploying the model into IBM Cloud	USN-4	I will deploy the model into IBM cloud as a web app for making predictions.	20	Medium	YARRADODDI CHATURYA,ALLA MOUNIKA, KOMERLA VENKATA SHANMUKHA SARVARI, MURALASETTY JAYASREE

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	8	7 Days	22 Oct 2022	28 Oct 2022	20	
Sprint-2	8	8 Days	29 Oct 2022	05 Nov 2022	20	
Sprint-3	5	3 Days	06 Nov 2022	08 Nov 2022	20	
Sprint-4	5	4 Days	09 Nov 2022	12 Nov 2022	20	

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)

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

Burndown Chart: