Project Planning Phase

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

Date	18 November 2022
Team ID	PNT2022TMID00071
Project Name	Project - 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	I may sign up for the application as a user by visiting my email, password, and confirmation my secret phrase	5	High	HARIGOVINDH
Sprint-1		USN-2	When I register for the application as a user, I will get a confirmation email.	5	High	JAGANATH THILAK
Sprint-1	Login	USN-3	By providing my email address and password, I may access the programme	10	High	JEEVANANTHAN
Sprint-2	Input Necessary Details	USN-4	In order to predict the likelihood of liver disease, I may provide input as a user.	15	High	BHARATH KUMAR
Sprint-2	Data Pre-Processing	USN-5	Prepare raw data in an appropriate format for prediction.	5	High	JEEVANANTHAN
Sprint-3	Prediction of Liver Disease	USN-6	As a consumer, I may anticipate liver disease utilising machine learning model.	15	High	BHARATH KUMAR
Sprint-3		USN-7	I can use the tool to forecast liver illness accurately.	5	Medium	JAGANATH THILAK
Sprint-4	Deployment	USN-8	ML model deployment into flask	5	High	JEEVANANTHAN
Sprint-4	Deployment	USN-9	Website launch in the real world	10	High	HARIGOVINDH

Sprint-4	Deployment	USN-8	As a user, I can give feedback of the application.	5	High	JAGANATH THILAK

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)

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