Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID15966
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 my password.	5	High	MYTHEESH C
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	SANJAY R
Sprint-1	login	USN-3	As a user, I can register for the application through email	10	High	PARIHTI MALAVAN g
Sprint-2	Input necessary details	USN-4	As a user, I can give Input Details to Predict.	15	High	RAGUNATH S D
Sprint-2	Pre-processing data	USN-5	Transforming the data into suitable format for prediction.	5	High	MYTHEESH C
Sprint -3	Prediction of liver disease	USN-6	As a user, I can predict Liver Disease using machine learning model.	15	High	SANJAY R
Sprint -3		USN-7	As a user, I can get accurate prediction of liver disease.	10	High	RAGUNATH S D
Sprint-4	review	USN-8	As a user, I can give feedback of the application.	15	High	PARTIHI MLAVAN G

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	17	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	18	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	17	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	18	19Nov 2022

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:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.