Project Planning Phase

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

Date	03 November 2022
Team ID	PNT2022TMID00576
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	Model Creation		Aa a user,I built a model to predict the liver disease of the patients	10	High	Thulasi V,Rohini M,Sai Sruthi B, Vasundhra S.
Sprint-2	Home Page Creation	USN-1	Creation of home page is done for initiation	8	High	Thulasi V,Rohini M,Sai Sruthi B, Vasundhra S.
	Prediction Page Creation	USN-2	The information of patients necessary for liver disease predictions are given	7	High	Thulasi V,Rohini M,Sai Sruthi B, Vasundhra S.
Sprint-3	Output Page Creation	USN-3	The results are predicted according to the information given	7	Medium	Thulasi V,Rohini M,Sai Sruthi B, Vasundhra S
	Base Flask App	USN-4	A base flask web app must be created as an interface for the ML model	8	High	Thulasi V,Rohini M,Sai Sruthi B, Vasundhra S.
Sprint-4	Integration	USN-5	Integrate Flask,CNN model with cloudant DB	5	Low	Thulasi V,Rohini M,Sai Sruthi B, Vasundhra S.
	Dashboard	USN-6	As a user,I can view the previous results and history	5	Low	Thulasi V,Rohini M,Sai Sruthi B, Vasundhra S.

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	10	5 Days	21 Oct 2022	31 Oct 2022	10	31 Oct 2022
Sprint-2	15	10 Days	1 NOV 2022	05 Nov 2022	15	05 Nov 2022
Sprint-3	15	10 Days	07 Nov 2022	12 Nov 2022	15	12 Nov 2022
Sprint-4	10	7 Days	14 Nov 2022	19 Nov 2022	10	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)

$$AV = \frac{sprint\ duration}{velocity}$$

AV= 6 / 20 = 0.3

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 suchas Scrum. However, burn down charts can be applied to any project containing measurable progress over time.