Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID41146
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	Kasiprasath K
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Sathiyanatha M
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	10	High	Sathiyanathan M
Sprint-2	Input Necessary Details	USN-4	As a user, I can give Input Details to Predict Likeliness of Liver Disease.	15	High	Sathiyanathan M
Sprint-2	Data pre-processing	USN-5	Transform raw data into suitable format for prediction.	5	High	Hemachandran M
Sprint-3	Prediction of Liver Disease	USN-6	As a user, I can predict Liver Disease using machine learning model.	15	High	Kasiprasath K
Sprint-3		USN-7	As a user, I can get accurate prediction of liver disease.	5	Medium	Manikandan D
Sprint-4	Review	USN-8	As a user, I can give feedback of the application.	20	High	Kasiprasath K

Project Tracker, Velocity & Burn down Chart: (4 Marks)

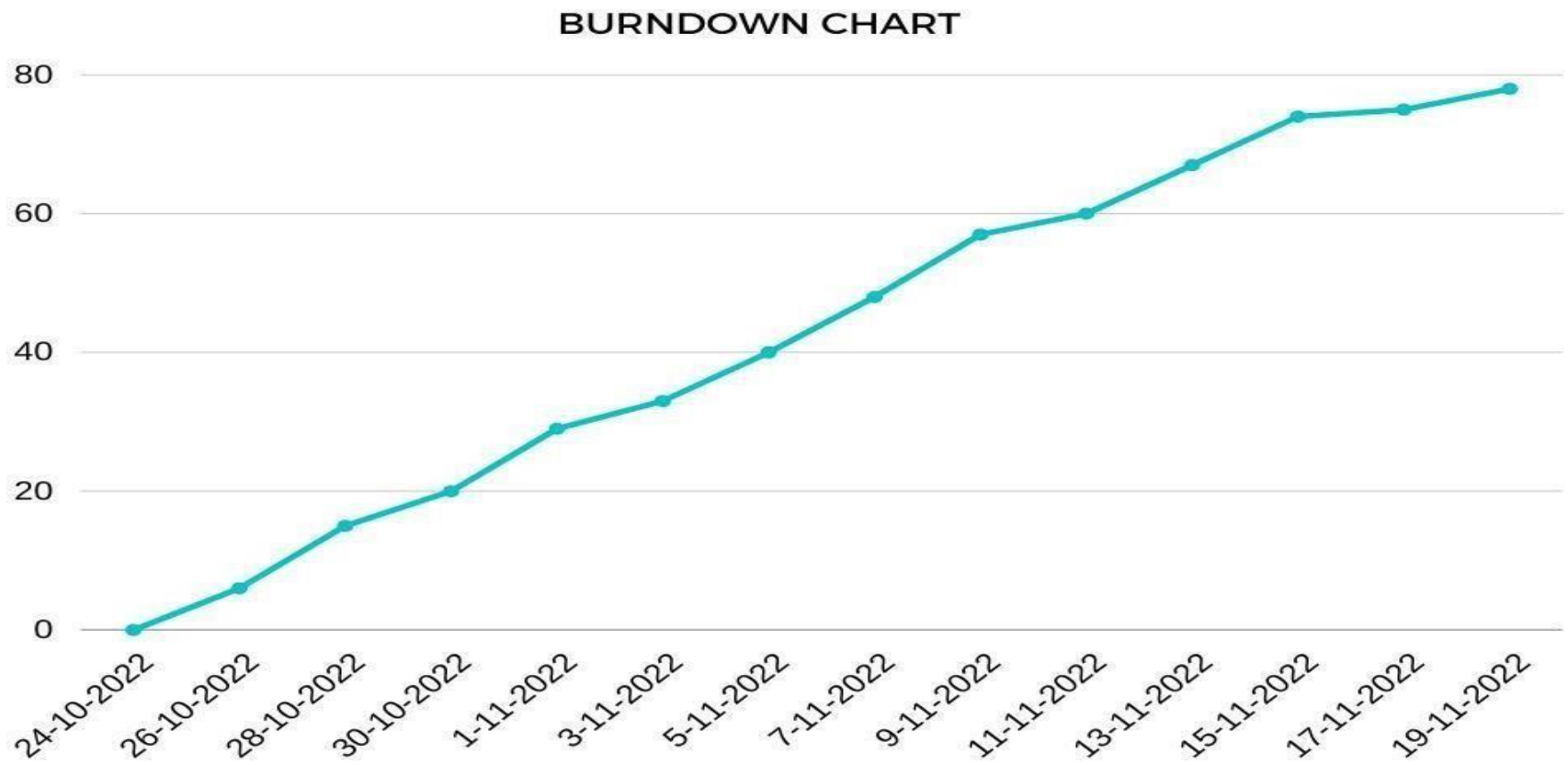
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	18	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	17	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	18	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	17	19 Nov 2022

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=Sprint duration/velocity = 6/20=0.3

Burn down Chart:


BURNDOWN CHART
80
60
40
20
0
24-10-2022
26-10-2022
28-10-2022
30-10-2022
1-11-2022
3-11-2022
5-11-2022
7-11-2022
9-11-2022
11-11-2022
13-11-2022
15-11-2022
17-11-2022
19-11-2022