Project Planning Phase

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

Team ID	PNT2022TMID07584
Project Name	Machine Learning Based Vehicle Performance Analyzer

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	Visiting Webpage	USN-1	As a user, I can able to view the website.	10	Low	Team leader
Sprint-1	Design	USN-2	As a user, I can Enter the data of the vehicle.	20	High	Team member1
Sprint-2	Result	USN-3	As a user, I can get the predicted performance of the vehicle using the given data.	20	High	Team member2
Sprint-3	Design	USN-4	As a user, I want the good user experience.	10	Low	Team member3
Sprint-3	Result	USN-5	As a user, I want the website to work fast and predict the performance quickly.	10	Low	Team leader
Sprint-4	Result	USN-6	As a user, I expect the prediction is highly accuracy.	20	High	Team leader

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	30	6 Days	24 Oct 2022	29 Oct 2022	30	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)

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

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.