Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID15686
Project Name	Machine Learning based Vehicle Performance Analyzer
Maximum Marks	8 Marks

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	Pre-processing of data	USN-1	Collect Dataset	5	High	Dhinakaran R
Sprint-1		USN-2	Import required libraries , Read & clean the data sets.	5	High	Ashok B
Sprint-2	Building the Model	USN-1	Split data into independent and dependent variables	4	High	Dhanush M
Sprint-2		USN-2	Apply using regression model	2	Medium	Elankathir S
Sprint-3	Application building	USN-1	Build python flask application and HTML page	5	High	Ashok B
Sprint-3		USN-2	Execute and test the application	1	High	Dhinakaran R
Sprint-4	Training the model	USN-1	Train machine learning model that was built	5	Low	Dhanush M
Sprint-4		USN-2	Integrate flask	5	High	Elankathir 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	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)

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

Burndown Chart: