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

Date	18 October 2022
Team ID	PNT2022TMID34993
Project Name	Project - Trip Based Modelling of Fuel Consumption in Modern Fleet Vehicles Using Machine Learning
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	4	High	Alfiya A
Sprint-2		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Pooja J
Sprint-1		USN-3	As a user, I can register for the application through Facebook	2	Low	Mahima A
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Karthika K
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Mahima A
	Dashboard	USN - 6	Once I enter the dashboard I can input values for a single sample prediction	8	Medium	Karthika K
Sprint-2		USN - 7	I can input values via excel sheet for multiple sample prediction as per the template and perform prediction			Alfiya A
Sprint-3		USN - 8	As a user I can get visual representation of the prediction			Karthika K

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		
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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)

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

Sprint 1 = 1.33
Sprint 2 = 1.67
Sprint 3 = 2.17
Sprint 4 = 2.17

Total Average Velocity = 1.83

Burndown Chart: