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

Date	18 October 2022
Team ID	PNT2022TMID17938
Project Name	Project-TRIP BASED MODELLING OF FUELCONSUMPTION IN MODERN FLEET VEHICLES USING MACHINE LEARNING
Maximum Marks	8Marks

Product Backlog, Sprint Schedule, and Estimation (4Marks)

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	I can sign up as a user with my email and password.	4	High	Likkith K.S
Sprint-2		USN-2	I may sign up as a user using my Gmail account.	2	Medium	Poorna G
Sprint-1		USN-3	When I register for the application as a user, I will get a confirmation email.	1	Low	Premila Gandhi G
	Login	USN-4	I may access my dashboard as a user by entering my email address and password.	2	High	Boomavathi V
	Dashboard	USN-5	My account information is available on the dashboard.	1	Low	Likkith K.S
Sprint-2	Prediction Model	USN - 6	I can enter values for a single sample prediction once I've accessed the dashboard.	8	High	Premila Gandhi G

Sprint-3		USN-7	I can perform predictions by entering data into an Excel sheet for several sample predictions according to the template.	6	Medium	Boomavathi V
		USN - 8	I can see a visual representation of the prediction as a user.	4	Medium	Poorna G
	Report Generation	USN - 9	I can view a thorough report of my forecast as a user.	3	High	Boomavathi V
Sprint-4	Rest API	USN-10	I can use an API Token as a developer to submit requests to the server.	3	Low	Premila Gandhi G
	Documentation	USN-11	I can use the documentation and user manual as a user for assistance and direction.	4	High	Poorna G
		USN-12	I can consult technical documentation as a developer to comprehend the application flow.	6	Medium	Likkith K.S

Project Tracker, Velocity & Burndown Chart:(4Marks)

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	8	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	13	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	13	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

Imagine we have a10-days print duration, and the velocity of the team is 20(pointspersprint).Let's calculate the team's average velocity(AV) per iteration unit (story points per day)

AV=Velocity/Sprint duration

Sprint	Average Velocity
Sprint1	1.33
Sprint2	1.67
Sprint3	2.17
Sprint4	2.17

Total Average Velocity = 1.83

Burndown Chart:

A burndown 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, burndown charts can be applied to any project containing measurable progress over time.