Ideation Phase
Problem statement Template

Date	19 September 2022
Team ID	PNT2022TMID40714
Project Name	Project – TRIP BASED MODELLING OF FUEL CONSUMPTION IN MODERN FLEET VEHICLES USING MACHINE LEARNING.
Maximum Marks	2 Marks

S.No.	QUESTIONS	Description(PROBLEM)
1.	Who does the problem effect?	Researchers confirms that vehicle emissions are responsible for 45% of the pollutants in the environment.
2.	What is the issue?	Rapid acceleration,speeding,driving at inconsistent speeds and even extended idling can increase your fuel consumption.
3.	When does the issue occur?	Increasing your high cruising speed from 55mph(90km/h)to 75mph (120 km/h) can raise fuel consumption as much as 20%.It can improve your gas mileage 10-15% by driving at 55 mph rather than 65 mph(104 km/h).
4.	Where is the issue coming?	The issues commonly present in oil,oxygen sensors,air filters,spark plugs,fuel injectors,tires,air conditioning,idling.
5.	Why is it important that we fix the problem?	In addition to reducing the effects of global warming,reduced vehicle consumption could regressively alleviate concerns regarding the future price and availability of fossil fuels.Reduced vehicle operating costs would be an obvious benefit resulting from reduced fuel consumption.