

## **PROBLEM STATEMENT:**

### **1. Why is it important that we fix the problem?**

In addition to reducing the effects of global warming, reduced vehicle fuel consumption could arguably 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.

### **2. Where is the issue coming?**

The issues were commonly present in Engine and oil, Oxygen sensors, air filters, spark plugs, and fuel injectors, Tires, Air Conditioning, Idling, using the wrong Gear, aggressive driving.

### **3. When does the issue occur?**

Increasing your highway cruising speed from 55mph (90km/h) to 75mph (120km/h) can raise fuel consumption as much as 20%. It can improve your gas mileage 10 – 15% by driving at 55mph rather than 65mph (104km/h).

### **4. What is the issue?**

Rapid acceleration, speeding, driving at inconsistent speeds and even extended idling can increase your fuel consumption.

### **5. Who does the Problem Affect?**

Research confirms that vehicle emissions are responsible for 45% of the pollutants in the environment.