Ideation Phase
Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID17938
Project Name	Trip Based Modeling of Fuel Consumption in Modern Fleet Vehicles Using Machine Learning
Maximum Marks	4 Marks

Step-1: Team Gathering, Collaboration and Select the Problem Statement

1

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

⏱ **5 minutes**

PROBLEM

To maximize profit by analyzing trip based modeling of fuel consumption in modern fleet vehicles.

Key rules of brainstorming
To run an smooth and productive session

☺ Stay in topic.   💡 Encourage wild ideas.

☹ Defer judgment.   👂 Listen to others.

👍 Go for volume.   👁 If possible, be visual.

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕐 **10 minutes**

LIKKITH KS

Track trip information in real-time	Tire Pressure Sensor	Dynamic trip suggestion	Mobile App

POORNA G

Road Traffic monitor	Easy to navigate UI	Trip Metrics	Vehicle Health analysis

PREMILA GANDHI G

Vehicle speed suggestion	Total Cost Analysis	Weather based trip suggestion	Driver Monitor System

BOOMAVATHI V

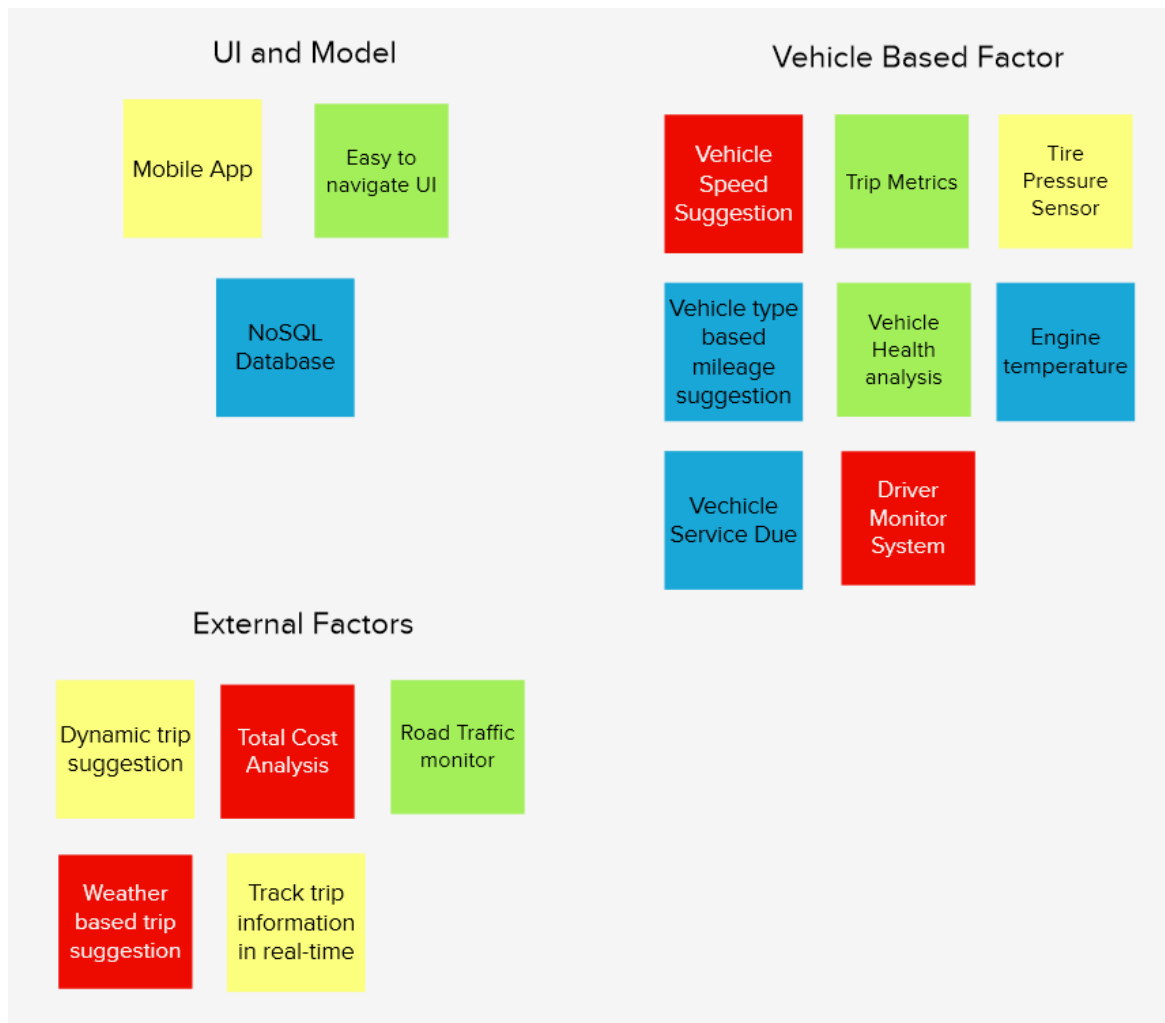|			
NoSQL Database	Engine Temperature	Vehicle Service Due	Vehicle type based mileage suggestion

Step-2: Brainstorm, Idea Listing and Grouping

UI and Model

- Mobile App
- Easy to navigate UI
- NoSQL Database

Vehicle Based Factor

- Vehicle Speed Suggestion
- Trip Metrics
- Tire Pressure Sensor
- Vehicle type based mileage suggestion
- Vehicle Health analysis
- Engine temperature
- Vechicle Service Due
- Driver Monitor System

External Factors

- Dynamic trip suggestion
- Total Cost Analysis
- Road Traffic monitor
- Weather based trip suggestion
- Track trip information in real-time

Step-3: Idea Prioritization