Ideation Phase
Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID34993
Project Name	Project - Trip Based Modelling of Fuel Consumption in Modern Fleet Vehicles Using Machine Learning
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

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

Step-2: Brainstorm, Idea Listing and Grouping

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Brainstorm

Ideas discussed about feature selection,
feature extraction, Algorithm selection and
Evaluation

⏱ 30 minutes

Alfiya

Structural Flow	Read dataset	Proposing the solution
Tech Stack analysis	Project structure	Train ML
Split the data into train	Check null value	Handling dataset

Pooja
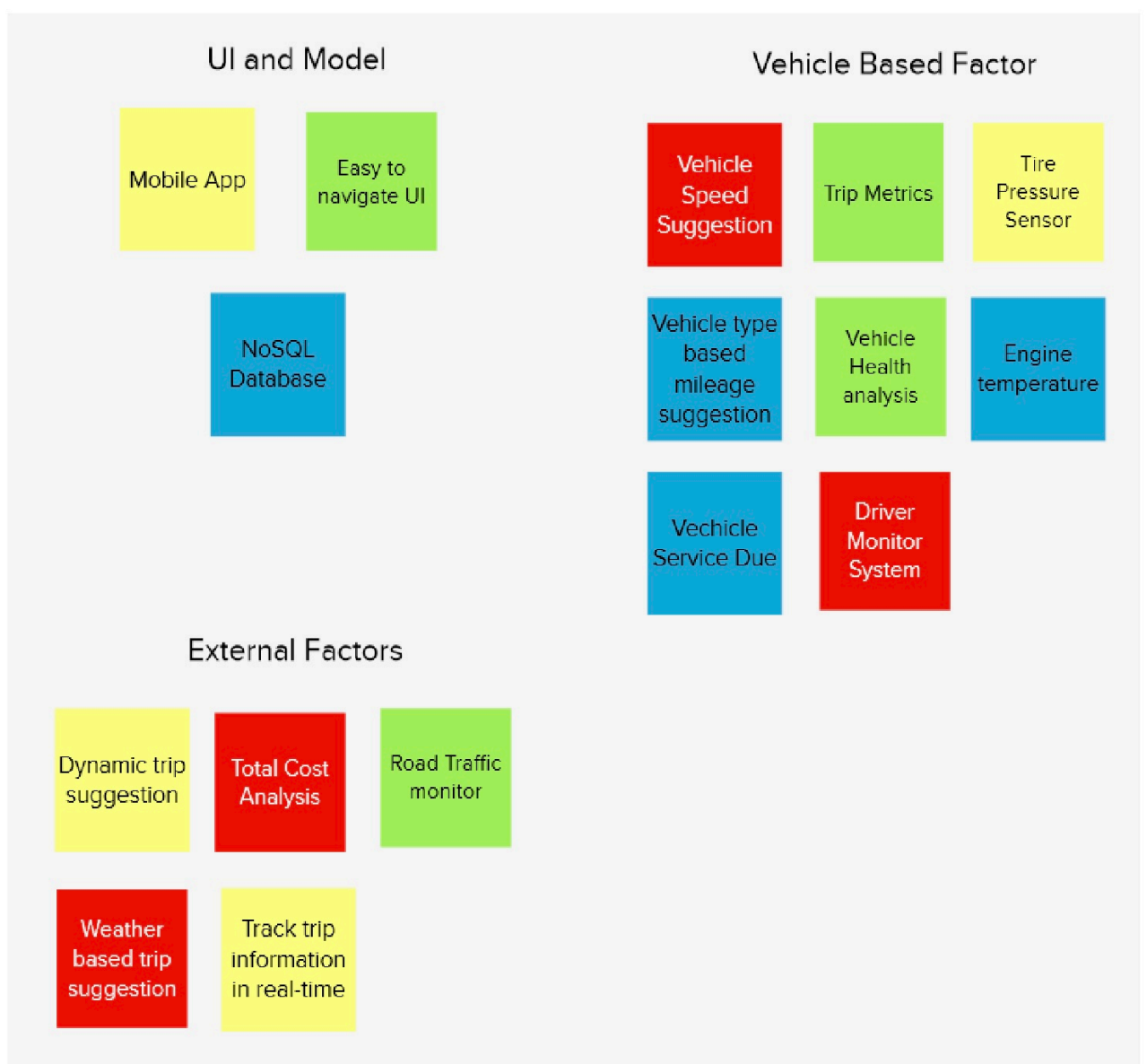
Download dataset	Architecture building	Score the end point
Delivery plans	Build html page	Literature survey
Remove null values	Empathy map creation	Functional Requirement Analysis

Mahima

Run application	Ideation	Prepare Milestone
Separate variables	Information Gathering	Requirement analysis
Project flow	Apply ML algorithms	Split data into test

Karthika

Project objectives	Integrate flask	Build flask app
Import libraries	Separate Independent variables	Forming the architecture
Dataflow analysis	App flow analysis	Delivery plans

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