


# 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



## Brainstorm & idea prioritization

Trip Based Modeling of Fuel Consumption in Modern Fleet Vehicles Using Machine Learning

🕒 1 hour to prepare  
🕒 3 hours to prepare  
👤 4 people

➔

### Before you collaborate

Analysis of dataset is carried out for the project

🕒 25 minutes

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**A** Team gathering  
Here all the requirements of the project is discussed

**B** Set the goal  
Think about the problem and the ways to achieve the goal

**C** Learn how to use the facilitation tools  
The software products which is used for machine learning projects

[Open article](#) ➔

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### Define your problem statement


The main aim of the project is to build Machine Learning algorithm to predict the fuel consumption of fleet vehicles based on the gas type . A web application is built which is integrated with ML model

🕒 15 minutes

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PROBLEM

Predict fuel consumption of fleet vehicles



### Ideas discussed in brainstorming

Dataset

Exploratory Data Analysis

Feature Selection

Feature Extraction

Apply Algorithms

Evaluation

## 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

#### TIP

You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!

#### 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

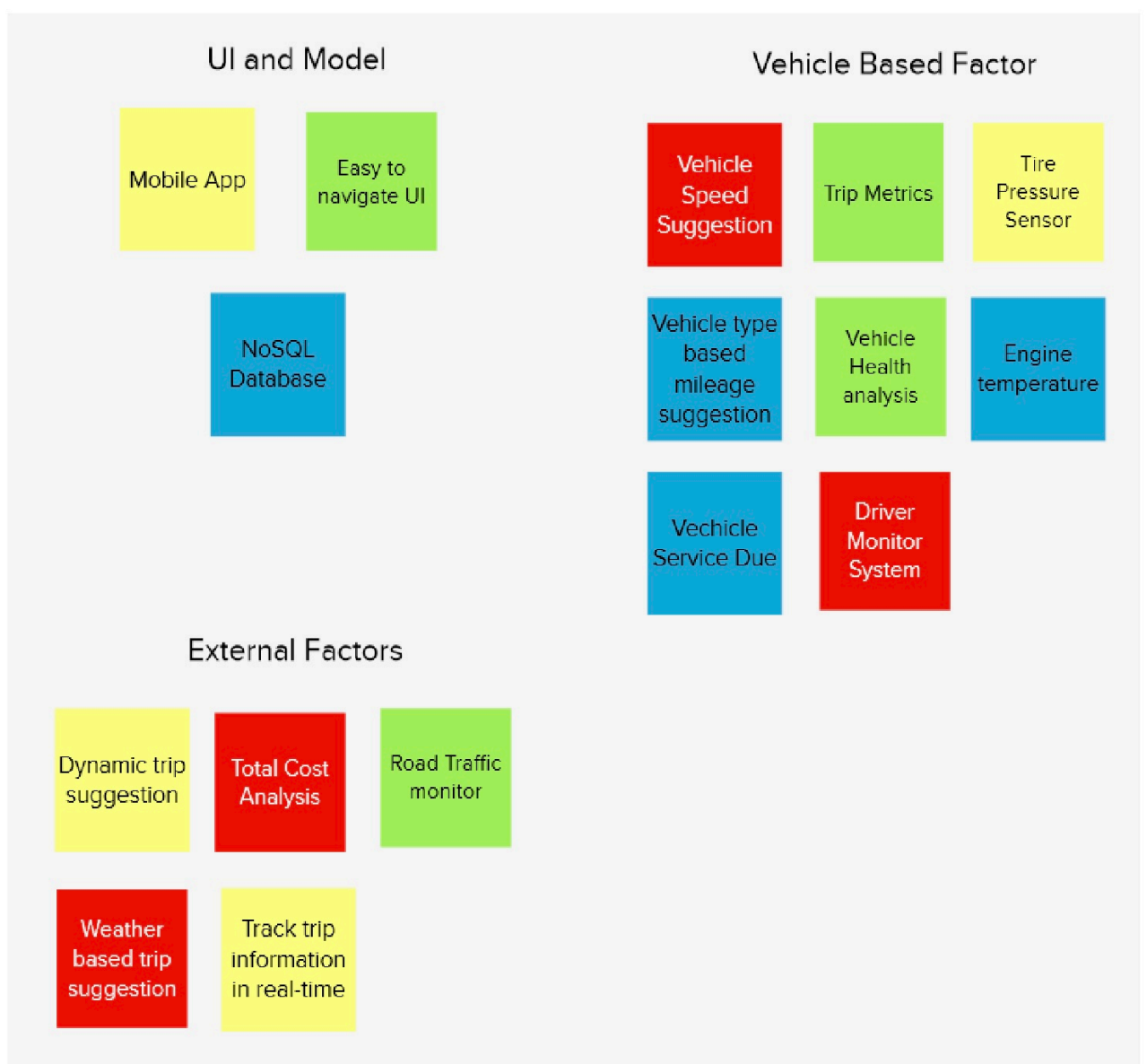
Download dataset	Architecture building	Score the end point
Delivery plans	Build html page	Literature survey
Remove null values	Empathy map creation	Functional Requirement Analysis

#### 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



### Step-3: Idea Prioritization

