


# Ideation Phase

## Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID40006
Project Name	Trip Based Modelling of Fuel Consumption in Model Fleet Vehicles Using Machine learning
Maximum Marks	4 Marks




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

Template




## Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.


 10 minutes to prepare  
 1 hour to collaborate  
 2-8 people recommended

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**Before you collaborate**

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

 10 minutes

A

**Team gathering**

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B


**Set the goal**

Think about the problem you'll be focusing on solving in the brainstorming session.

C

**Learn how to use the facilitation tools**


Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) 

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


How might we predict the fuel consumption in modern fleet vehicles using machine learning?


**Key rules of brainstorming**


To run a smooth and productive session


 Stay in topic.

 Encourage wild ideas.

 Defer judgment.

 Listen to others.

 Go for volume.

 If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

10 minutes

TIP

You can select a sticky note and hit the pencil button to start creating

Jaya Sooriya E

Cost estimation based on result

Finding vehicle efficiency

Output accuracy

Use different parameters for prediction

Cost estimation

Finding vehicle efficiency

Madhavan N K

Recieve customer suggestion and feedback

Fleet management can be easy

Train using own data set

Identify total cost

Identify terrain type

Cross platform

Varun P

Add or remove feaatues

Enter multiple sample at a time

Import multiple sample using Excel sheet

Report generation

Share prediction with others

Output will be user friendly

Mohammed Arif K

User friendly GUI

Real time data can be correlated

Drivers record from previous travel

Climatic condition

Simplified Process

Climatic condition can be considered

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you end break it up into smaller sub-groups.

20 minutes

TIP

Ask participants back to stick to the main problem to find, because, negative and ambiguous opinions obscure others or hit your mind

Team 1

User friendly GUI

Identify total cost

Climatic condition can be considered

Output accuracy

Share prediction with others

Visual representation of outputs

Output accuracy

Enter multiple sample at a time

Drivers record from previous travel

Simplified Process

Recieve customer suggestion and feedback

Cost estimation based on result

Team 2

Train using own data set

Add or remove feaatues

Cross platform

Use different parameters for prediction

Finding vehicle efficiency

Real time data can be correlated

Identify terrain type

Output will be user friendly

Import multiple sample using Excel sheet

Climatic condition

Report generation

Fleet management can be easy

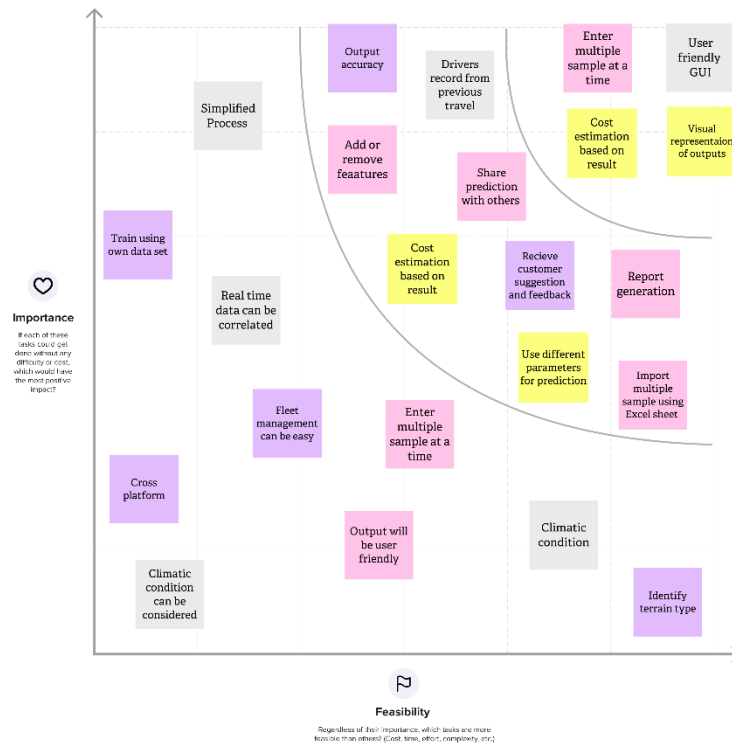
## Step-3: Idea Prioritization

4

### Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes



5

### After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

#### Quick add-ons

- Share the mural**  
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- Export the mural**  
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

#### Keep moving forward

- Strategy blueprint**  
Define the components of a new idea or strategy.  
[Open the template →](#)
- Customer experience journey map**  
Understand customer needs, motivations, and obstacles for an experience.  
[Open the template →](#)
- Strengths, weaknesses, opportunities & threats**  
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.  
[Open the template →](#)

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