

## Ideation Phase


### Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID46974
Project Name	Machine Learning based Vehicle Performance Analyzer
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization Template:




#### 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](#) →

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### Define your problem statement

Predicting the performance level of cars is an important and interesting problem. This can significantly help to improve the system's fuel consumption and increase efficiency.

 5 minutes


PROBLEM


Predicting the performance level of cars is an important and interesting problem.





### 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

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### 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/brush icon to start drawing!

#### Person 1

To increase the fuel efficiency of the vehicle  
To get the desired data to tune the power to efficiency ratio  
use the data tune the engine to increase the reliability of the engine  
To reduce the emission by the vehicle

#### Person 3

predict the performance of the car to improve certain behaviour  
check the air pressure in car  
Driver must be the skilled one  
Maintain the service after riding enough km  
Get the power of the car to avoid from aggressive startup

#### Person 2

To analyze vehicle performance  
To decrease the fuel consumption  
Analysing based on engine type and horse power  
increase fuel efficiency

#### Person 4

Add hydraulic suspension  
Tune power of the car to maintain fuel consumption  
don't rush the car  
To get the balance between power and efficiency  
check the data once a month

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### Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

🕒 20 minutes

#### TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

To increase the fuel efficiency of the vehicle  
To get the desired data to tune the power to efficiency ratio  
use the data tune the engine to increase the reliability of the engine  
predict the performance of the car to improve certain behaviour  
check the air pressure in car  
Get the power of the car to avoid from aggressive startup  
Analysing based on engine type and horse power  
To decrease the fuel consumption  
To analyze vehicle performance  
don't rush the car  
To get the balance between power and efficiency  
check the data once a month

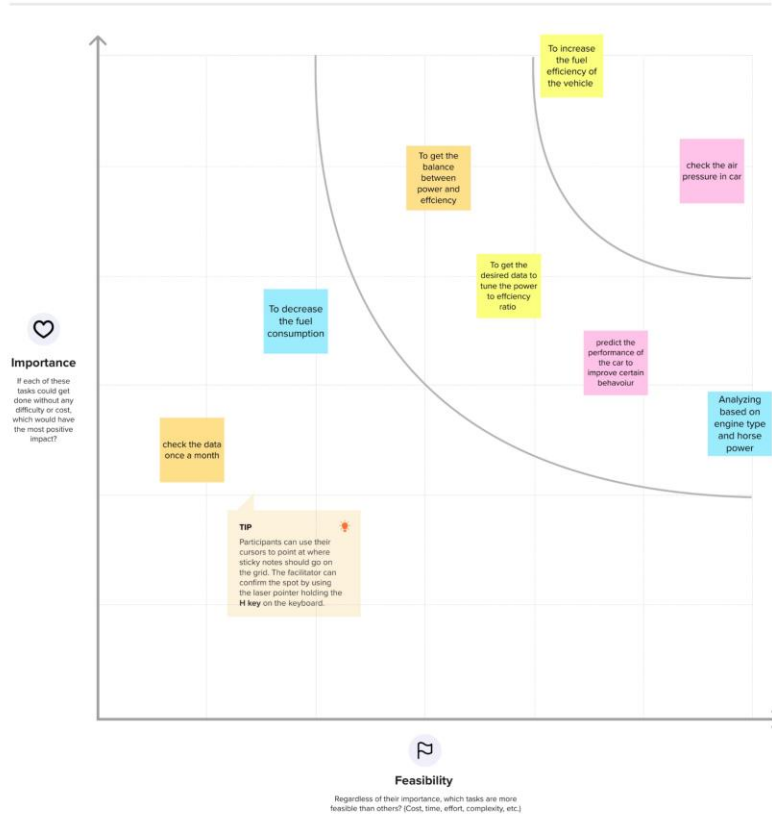
## Step-3: Idea Prioritization

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### 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



→

### 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

- A Share the mural**  
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- B 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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