

Ideation Phase


Brainstorm & Idea Prioritization Template

Date	18 October 2022
Team ID	PNT2022TMID31242
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](#) →

1


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.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- 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/switch to sketch 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 behavior
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
Analyzing 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

3

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 and 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 behavior
check the air pressure in car
Get the power of the car to avoid from aggressive startup
Analyzing 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

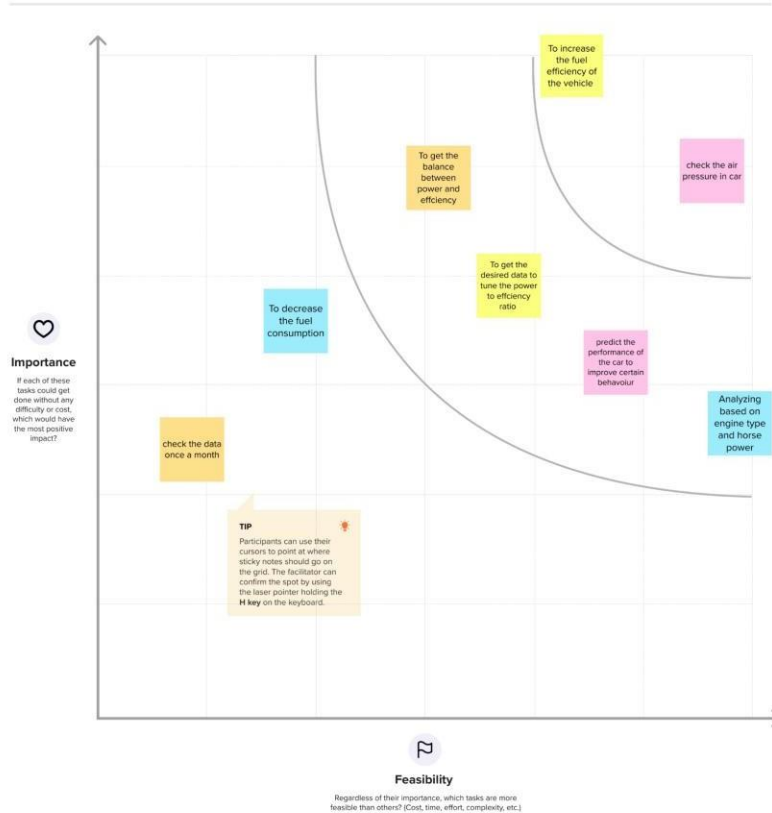
Step-3: Idea Prioritization

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



→

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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