

Date	08 Nov 2022
Team ID	PNT2022TMID25347
Project Name	Machine Learning based Vehicle Performance Analyzer
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

🗨️ Share template feedback

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

Team gathering

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

Set the goal

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

Learn how to use the facilitation tools

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

Open article →

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

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 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

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 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 mind.

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

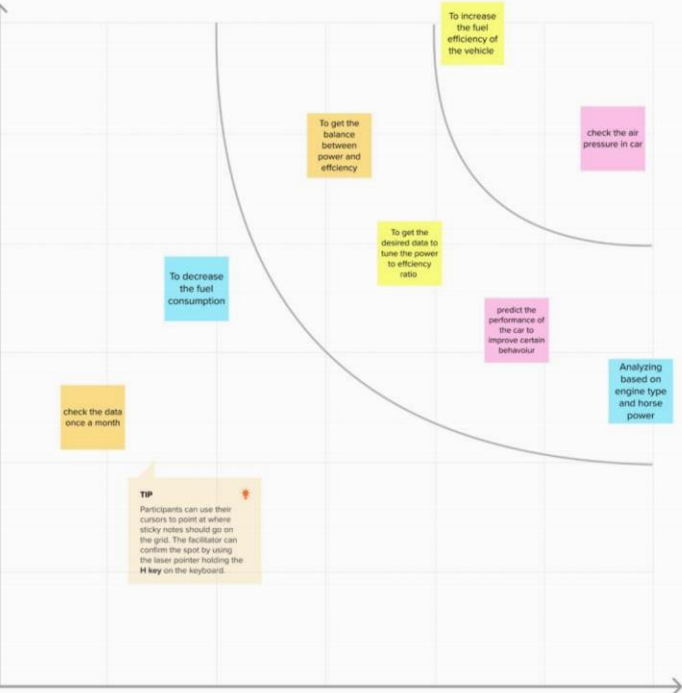
4 Prioritize

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.



Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)

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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