

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID06676
Project Name	Machine Learning based vehicle performance Analyzer
Maximum Marks	4 Marks

Team Gathering, Collaboration and Select the Problem Statement

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graph LR; S1[Step 1] --> S2[Step 2]; S2 --> S3[Step 3]; S3 --> G[Goal]
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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.

Step 1 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](#) →

Team Gathering Members

- M Niyas Khan
- P Cibi
- R Narasimman
- T Sivaprakash

Goal

To discuss the brainstorm idea and choose the idea that is cost efficient, flexible, easy to analyse the performance of the vehicle

Step 2 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

Vehicle user or manufacture trying to analyse the performance of the vehicle But, it is hard to analysis. Because it needs a knowledge of the engineering and vehicle, it takes time to do it manually, which makes users feel fear, worried about the vehicle

Step 3 Facilitate the session

Run a happy and productive session

🕒 1 hour

👤 2-8 people recommended

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.

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!

M Niyas Khan

Analysis the various data set and predict the model	Developing AI to perform analysis	Manual Prediction
using computer software for the analysis	Mathematics analysis	

R Narasimman

Plotting the data in graph and predict the performance	using mathematical model	Use Mathematical tool to predict data
Real time Analysis		

P Cibi

Use the mathematical expression to calculated performance	by analysing previous data	Using simulation technology we can predict the performance
creating ML model to predict the analyse	By Perform real time analysis	We can analysis with this using CAD models

T Sivaprakash

using mathematical model	Using CAD models we can perform analysis	Create an AI to perform analysis
use simulation tool to do the analysis		

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 and break it up into smaller sub-groups.

20 minutes

Simulation&CAD

We can analysis with this using CAD models	Using simulation technology we can predict the performance
Using CAD models we can perform analysis	Plotting the data in graph and predict the performance
use simulation tool to do the analysis	

AI

Create an AI to perform analysis
Developing AI to perform analysis

ML

using mathematical model
creating ML model to predict the analyse
by analysing previous data

Other

Plotting the data in graph and predict the performance
using mathematical model
Real time Analysis
by analysing previous data

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



link:

<https://app.mural.co/t/ibmproject6637/m/ibmproject6637/1664460486641/90431660e9b228ced452b132cb87e09a206f840b?sender=u29cdbaa6345ac00f089e4271>