Ideation Phase Brainstorm & Idea Prioritization Template

Date	17 September 2022
Team ID	PNT2022TMID00660
Project Name	Machine Learning based Vehicle Performance Analyzer
Maximum Marks	4 Marks

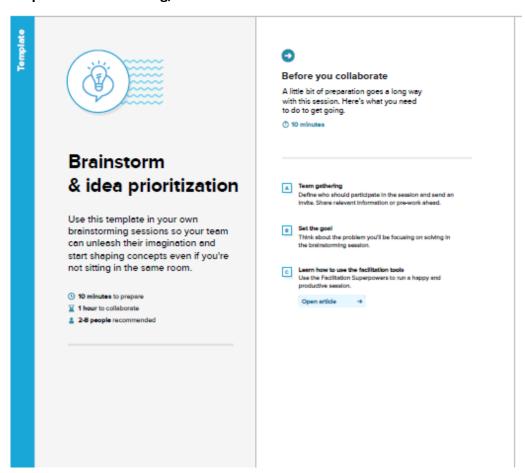
Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Mural Brain Storming Link:

 $\frac{\text{https://app.mural.co/t/vehicleperformanceanalyzer5784/m/vehicleperformanceanalyzer5784/16652371690}{14/a73224941dc1192d26c291fb37a98366a0b229df?sender=ud02961788100c0dda5d08605}$

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





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.



PROBLEM

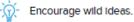
How might we predit the performance level of cars. The main goal is to predict the performance of the car to improve certain behaviours of the vehicle. This can significantly help to improve the system's fuel consumption and increase efficiency. The performance analysis of the car is based on the engine type, no of engine cylinders, fuel type, horsepower, etc. These are the factors on which the health of the car can be predicted. It is an ongoing process of obtaining, researching, analyzing, and recording health based on the above three factors. The performance objectives like mileage, dependability, flexibility and cost can be grouped together to play a vital role in the prediction engine and engine management system. This approach is a very important step towards understanding the vehicle's performance?

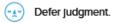


Key rules of brainstorming

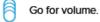
To run an smooth and productive session





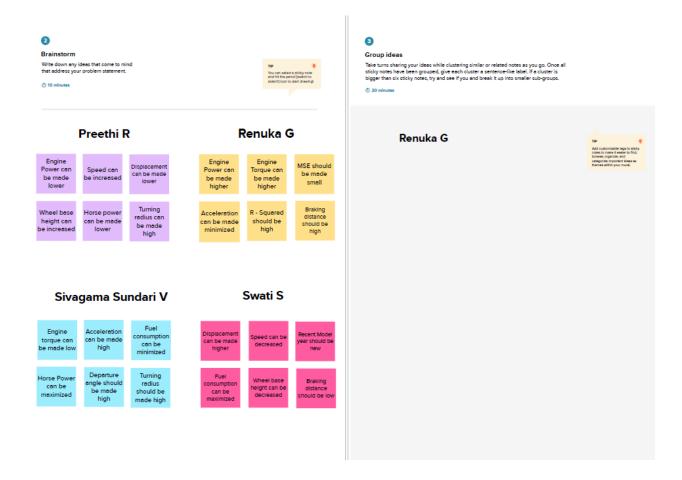






If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping



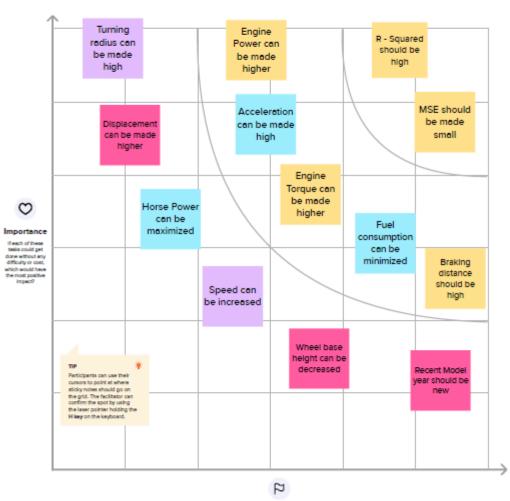
Step-3: Idea Prioritization



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.

① 20 minutes



Feasibility

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