

**Ideation Phase**  
**Brainstorm & Idea Prioritization Template**

Date	19 September 2022
Team ID	PNT2022TMID27396
Project Name	Car Resale value Prediction
Maximum Marks	2 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.

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: Team Gathering, Collaboration and Select the Problem Statement**

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## 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

The research objective of this study is to predict used cars prices by scraping data from websites that sell car, by simply providing the program with a set of attributes from the desired car to predict the car price.



### Key rules of brainstorming

To run an 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

#### Akash V

Predicate the dataset into learning and testing sets

Machine Learning

#### Nitin Roy J

Choose the right data

Performance of different car models needs to be taken for each particular price

#### Jino

We need to split the dataset into learning and testing sets

Use Required Algorithms

#### Ajin J K

Global sales data analyst

Comparison of the performance of the models

Understand the required metrics in the dataset

Let it be Simple

Test sample input

User attractive and Friendly

Regression analysis to estimate the used car price

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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

#### Analysis

Global sales data analyst

Regression analysis to estimate the used car price

#### Performance

Comparison of the performance of the models

Performance evaluation

#### Data

Choose the right data

Understand the Data

#### Testing

Test sample input

We need to split the dataset into training and testing sets

## 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

