

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID36922
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  
Value

Machine  
Learning

**Nitin Roy J**

Choose the  
right data

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

**Jino**

We need to split  
the dataset into  
training and  
testing sets

Selection of  
required  
metrics in the  
dataset

Understand  
language

Let it be  
Simple

Test sample  
input

Use  
Required  
Algorithms

**Ajin J K**

Performance  
evaluation

Comparison  
of the  
performance  
of the models

User  
attractive  
and  
Friendly

Regression  
analysis to  
estimate the  
used car price

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

**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

