Ideation Phase
Brainstorm & Idea Prioritization

Date	28.09.2022
Team ID	PNT2022TMID05497
Project Name	Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies
Maximum Marks	4 Marks

Your paragraph text

PROBLEM STATEMENT:

Major problem faced by the customer on an insurance company is not having idea an about the cost of damage.

Insurance Companies are failing to provide the right amount for the car damage and the customer is not able to claim for the damage.

Developing a solution that can able to identify the right cost for the damage would be beneficial for many.

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
Major problem faced by customer on insurance companies is not having the idea about the cost of the damage

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.

Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕐 **10 minutes**

Prasanna Babu

Computer vision based estimation for car

With Image preprocessing the user gets notified severity of the damage

Neural network extracting image feature

Machine Learning allows to predict accurate cost for the damage

VGG model achieves almost 92%t accuracy in ImageNet

Prasanna Venkatesh

We can estimate the minor, major, and severe damage of the car

With the help of the image we can detect the dent

We can eliminate the labor cost

Fake Image Detection

Identifying the damage severity using CNN

Rajesh Ganapathy

With the help of Artificial Intelligence we provide easy estimations about damage

Images are clearly detected using VGG model

With the help of Artificial Intelligence we avoid fraud estimations

Car model detection

Accuracy and transparence in pricing car and their potential repairs
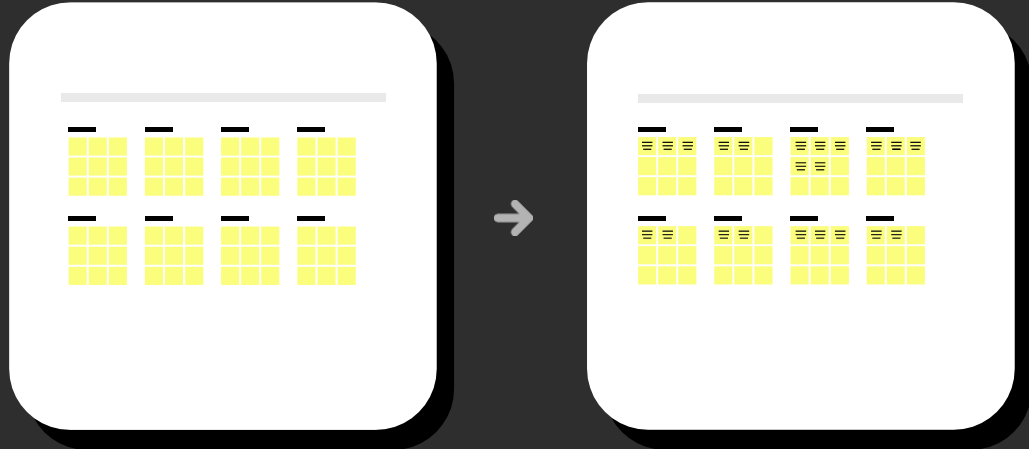
Naga Prakash

We have to acquire correct information about the damage or car

We must give the user authentication ID

We should avoid privacy theft of the user

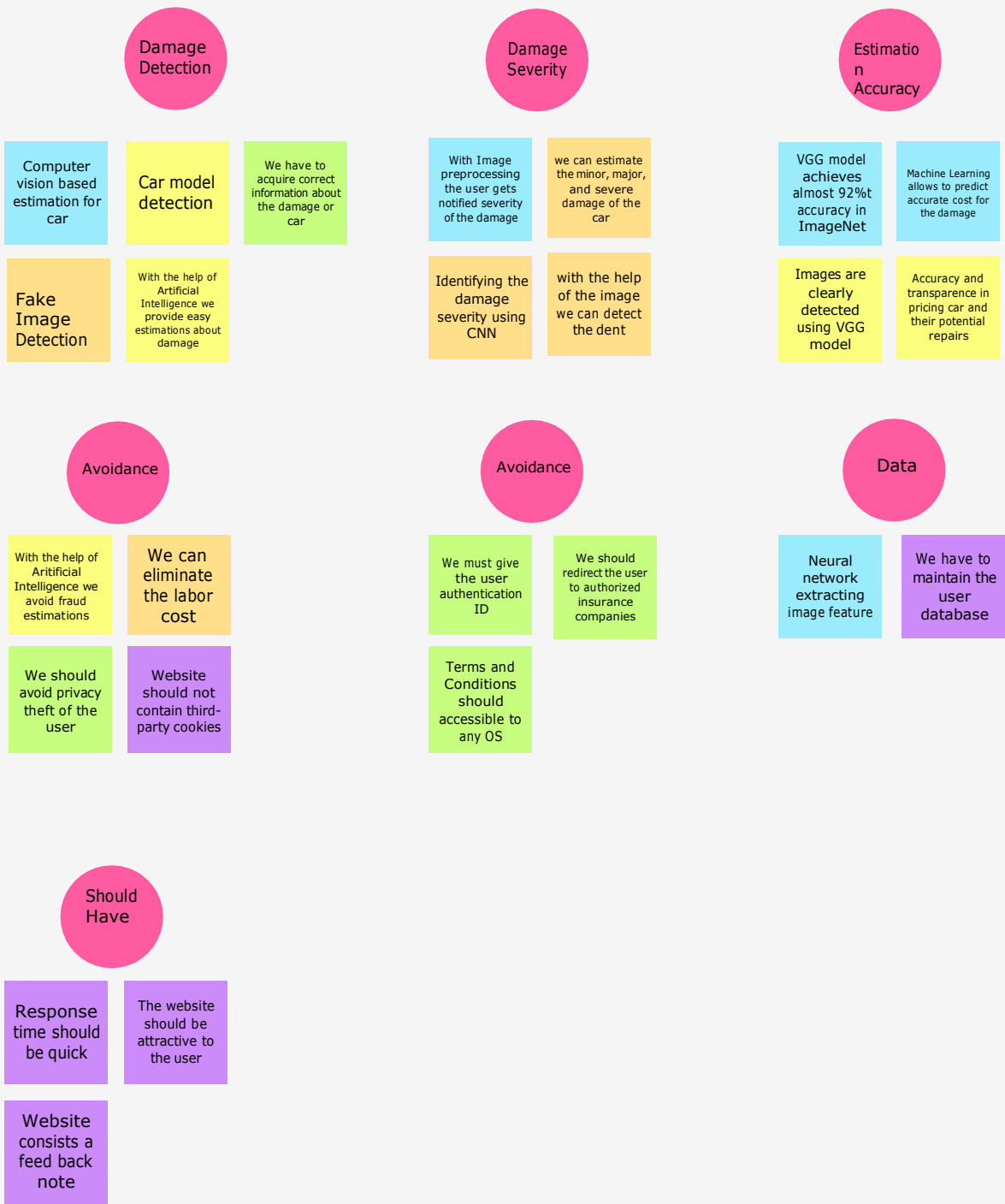We should redirect the user to authorized insurance companies

Terms and Conditions should accessible to any OS

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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**

Damage Detection

Computer vision based estimation for car	Car model detection	We have to acquire correct information about the damage or car
Fake Image Detection	With the help of Aritificial Intelligence we provide easy estimations about damage	

Damage Severity

With Image preprocessing the user gets notified severity of the damage	we can estimate the minor, major, and severe damage of the car
Identifying the damage severity using CNN	with the help of the image we can detect the dent

Estimation Accuracy

VGG model achieves almost 92%t accuracy in ImageNet	Machine Learning allows to predict accurate cost for the damage
Images are clearly detected using VGG model	Accuracy and transparence in pricing car and their potential repairs

TIP 💡

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Avoidance

With the help of Aritificial Intelligence we avoid fraud estimations	We can eliminate the labor cost
We should avoid privacy theft of the user	Website should not contain third-party cookies

Avoidance

We must give the user authentication ID	We should redirect the user to authorized insurance companies
Terms and Conditions should accessible to any OS	

Data

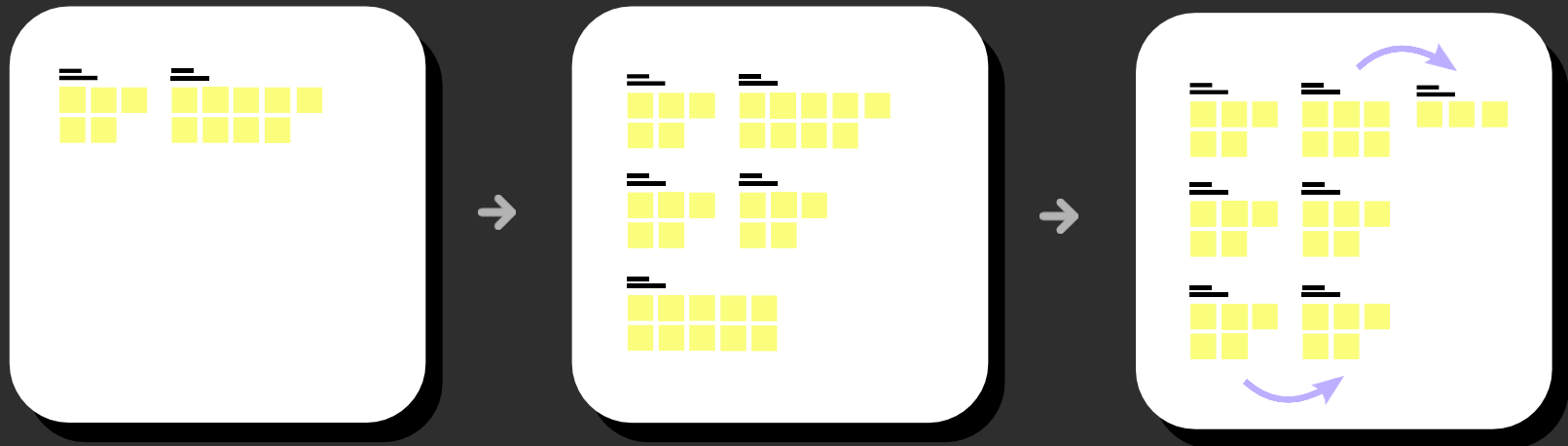|	
Neural network extracting image feature	We have to maintain the user database

Should Have

Response time should be quick	The website should be attractive to the user
Website consists a feed back note	

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**

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.)

Sticky notes on grid:
- Fake Image Detection
- We have to maintain the user database
- We should redirect the user to authorized insurance companies
- we can estimate the minor, major, and severe damage of the car
- We should avoid privacy theft of the user
- Machine Learning allows to predict accurate cost for the damage
- With the help of Artificial Intelligence we provide easy estimations about damage
- With Image preprocessing the user gets notified severity of the damage
- Website should not contain third-party cookies
- Terms and Conditions should accessible to any OS
- With the help of Artificial Intelligence we avoid fraud estimations
- Computer vision based estimation for car
- Identifying the damage severity using CNN
- Accuracy and transparence in pricing car and their potential repairs
- Car model detection
- We have to acquire correct information about the damage or car
- The website should be attractive to the user
- Response time should be quick
- Neural network extracting image feature
- We must give the user authentication ID
- VGG model achieves almost 92%t accuracy in ImageNet
- Images are clearly detected using VGG model
- with the help of the image we can detect the dent
- Website consists a feed back note
- We can eliminate the labor cost

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.