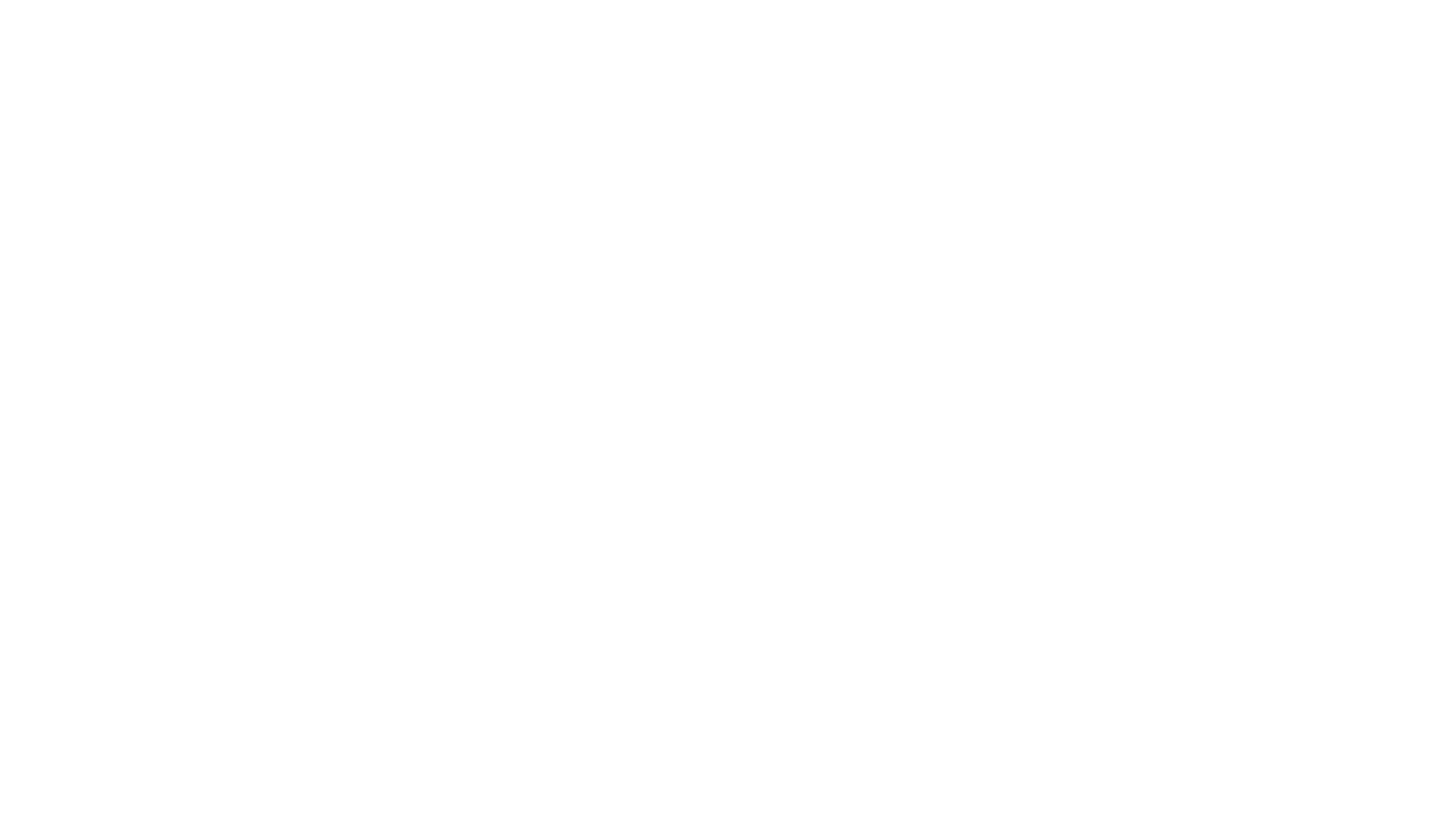
## 1

**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**



## 2

**Brainstorm**

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

**10 minutes**

## 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 and break it up into smaller sub-groups.

**TIP**

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

**20 minutes**

## 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**

**PROBLEM**

#### This project will replace the static boards to smart signed boards that will change the speed limits according to the weather climate and show diversion messages if there is accidents in the road and alert messages if there is hospital,schools or any roadworks.

AASINA BARVEEN.A

During off peak hours weather based speed limit is avoided and the speed limits can be changed according to the traffic.

Driver attention detection by using sounds in the sign boards

The sign boards have button mode and that button is used when there is no network connectivity.

We can digitalize the boards that can even more clearly visible to drivers.

Using IOT device,the accidents happened in the road can be alerted to the other drivers.

Traffic signals will change automatically by detecting the moving using PIR sensor on the crosswalks.

SANGEETHA.P VIGNESHWARI.P

# 

High brightness signs are used to improve road safety.

Using AI the traffic signals would be controlled for the people who using the crosswalks.

Regulatory checks of the sign boards improve the reliability of this system

Using GPS and radar the collision avoidance system can be introduced.

Regulatory checks of the sign boards improve the reliability of this system

**TIP**

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

High brightness signs are used to improve road safety.

Using PIR sensor,presence of a moving body is detected.so that while the traffic time on the crosswalks,auto traffic signals can be implemented.

Using IOT device,the accidents happened in the road can be alerted to the other drivers.

To provide the better view for the drivers.

We can digitalize the boards that can even more clear to drivers.

High brightness signs are used to improve road safety.

The sign boards have button mode and that button is used when there is no network connectivity.

During off peak hours weather based speed limit is avoided and the speed limits can be changed according to the traffic.

Using AI the traffic signals would be controlled for the people who using the crosswalks.

Using cloud communications the data can be shared through network and the functions of the signs of the board can be controlled.

Using weather API,the weather can be predicted and the weather will be displayed in the smart sign boards.

Landslide will be detect using the sensors in the mountain roads and alerted to the smart signed boards.

Sensors are used to calculate the vehicle speed

Emergency numbers are provide to display in sign boards

**Key rules of brainstorming**

#### To run an smooth and productive session

**HARIDHARSHINI.R**

Smart signs are displayed through sign boards

Sign boards may not work some times due to no solar power and weather conditions

Emergency numbers are provide to display in sign boards

Using AI the traffic signals would be controlled for the people who using the crosswalks.

Road diversion due to construction and traffic can be avoided

#### Stay in topic. Defer judgment.

Encourage wild ideas. Listen to others.

## Importance

If each of these

Go for volume. If possible, be visual.

Sign boards may not work some times due to no solar power and weather conditions

Road safety digitalized and we'll improved through digital sign boards

Smart signs are displayed through sign boards

Traffic Control

The sign boards have button mode and that button is used when there is no network connectivity.

Based on the weather the speed limit in the sign board may increase or decrease using weather API.

tasks could get

done without any difficulty or cost, which would have the most positive impact?

Traffic density by using the GPS of mobile phone

Traffic density by using the GPS of mobile phone

Weather report will be displayed in the sign board using the weather API

# 

During off peak hours weather based speed limit is avoided and the speed limits can be changed according to the traffic.

Using PIR sensor,presence of a moving body is detected.so that while the traffic time on the crosswalks,auto traffic signals can be implemented.

Sensors are used to calculate the vehicle speed

Driver attention detection by using sounds in the sign boards

###### Weather based Controlling.

During off peak hours weather based speed limit is avoided and the speed limits can be changed according to the traffic.

Weather report will be displayed in the sign board using the weather API

Based on the weather the speed limit in the sign board may increase or decrease using weather API.

**Feasibility**

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