Ideation Phase
Brainstorm & Idea Prioritization Template

Date	22 October 2022
Team ID	PNT2022TMID14966
Project Name	Signs with Smart Connectivity for Better Road Safety
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.

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.

Reference: https://www.mural.co/templates/empathy-map-canvas

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

Brainstorm & idea prioritization

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.

- 🕐 **10 minutes** to prepare
- ⏳ **1 hour** to collaborate
- 👤 **2-8 people** recommended

Share template feedback

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

🕐 10 minutes

A **Team gathering**
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B **Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.

C **Learn how to use the facilitation tools**
Use the Facilitation Superpowers to run a happy and productive session.

Open article →

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

PROBLEM

As the population is goes on increasing and it involves rapid growth of vechicles. The chance of occuring danger also is increased. As people find it difficult to cope up with the traffic, and also there are many vechicles are there which leads to many high risk road accidents. Implementations of our Projects ensures easier transportation without delay

Key rules of brainstorming
To run an smooth and productive session

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.

Need some inspiration?
See a finished version of this template to kickstart your work.

Open example →

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

🕐 **10 minutes**

JEGAN S

Avoid Drunk and Driving	Ensures safety measures	Drive the vehicle in correct speed limit
Manage stress	Roads need to be in good condition	

HARIKRISHNAN T
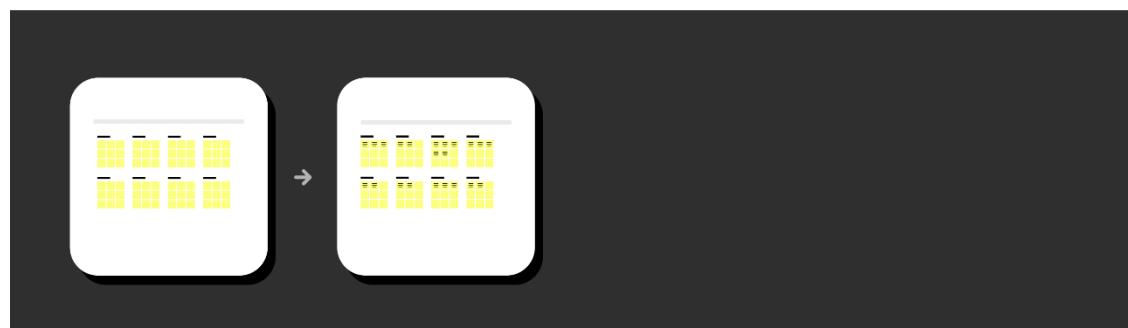
Rash driving need to be avoided	Understanting the road sign	Optimizing the functions of the vehicle
Use of Helmets properly	Indication of seat belt	

KIRTHIK SARAN P

Use of public transports	Speed need to be reduced near schools	Detection of turning
Avoid using mobile while driving	Service your car regularly	

MANOJ KUMAR M

Automatic detection of traffic light	Minimizing the use of own vehicles	Do not cross the speed limits.
Maintain lane discipline.	Maintain a safe distance.	
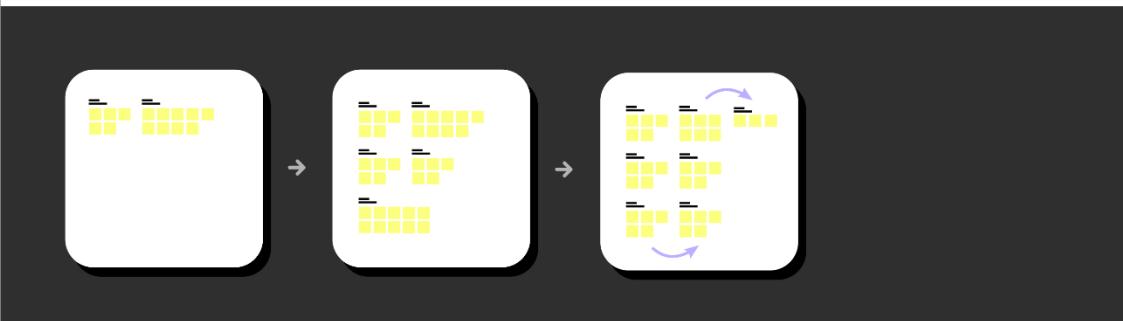
3

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**

Smart Parking Detection

Static Signboards replaced and Smart Signboards are used

To Build a Python Code

It will alert the user when it is over speed Shere

It will shows the speed limit for vehicles near Schools and other Places

API Updates the Speed Limitations

To Build a Python Code

Implementations of our Projects ensures easier transportation without delay

Give way for emergency vehicles

TIP 💡

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.
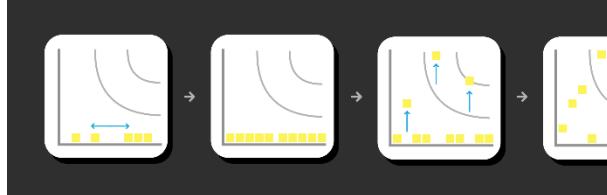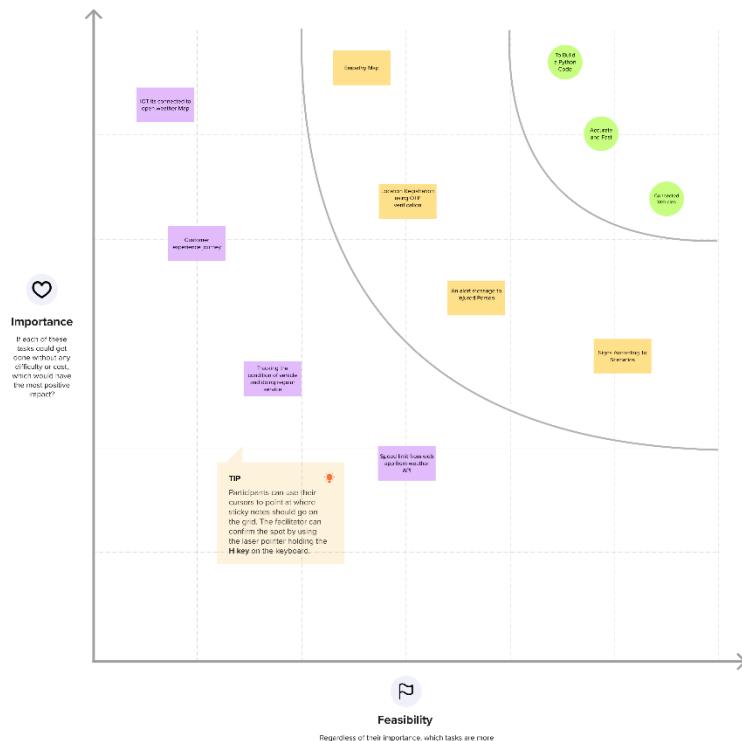
4

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

♡

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

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.

⚑

Feasibility

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