

Ideation Phase


Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMIDI3488
Project Name	Project - Signs with smart connectivity for better road safety
Maximum Marks	4 Marks

Signs with smart connectivity for better road safety :

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

Template




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

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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 STATEMENT

How might we reduce accident in accident prone zones with the help of LED smart signs, which includes a weather monitoring systems and gives instant information regarding upcoming road such as road damage, speed limit suggestion and some advanced ideas for safe travel?



Key rules of brainstorming

To run a 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](#)

TIP

You can select a sticky note and hit the pencil icon to start drawing!

Nithyananthan N

It helps in reducing risks for accident

It alerts about the upcoming accident prone zones

If vehicle speed is more than road speed limits than it generate user alert by buzzer.

It helps in detecting temperature both internal as well as external

Weather monitoring

Kishore S D

Camera attached to every traffic sign to monitor traffic

Schools timings set to road signs

Remote view capability to plan route

Lane mapper so emergency vehicles can easily pass through traffic

Camera monitors road quality and speed is assigned based on road quality

Kowsick K

It can reduces the number of accidents and improves circulation.

every sign post measures surrounding trafc

It makes the user aware about nearby whereabouts such as schools,hospitals...etc

It works perfectly in climatic conditions

It can provide real-time information to the user about the status of the trafic light.

Guna K V

Fun things to display during red light trafic

Accident detection and diversion

Dynamic trafic sign capable of allowing peds to cross the road

Stable technology system for monitoring, maintenance and repair of roads.

This aims to reduce accidents around trafic lights and reduce their violation too through better real-time monitoring.

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 can break it up into smaller sub-groups.
[20 minutes](#)

School and hospital zones dynamically set road signs speed

It gives an accurate update on weather monitoring which gives an idea for iot drivers in route finding and deciding speed limits

Fun things to display during red light traffic

Speed limit suggestion by IOT based on environmental factors

Suggestion of nearby crowded places such as schools, colleges, hospitals

Step-3: Idea Prioritization

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

