

Ideation Phase

Brainstorm and idea

Date	16 October 2022
Team ID	PNT2022TMID17377
Project Name	Project - Signs with Smart Connectivity for Better Road Safety
Maximum Marks	2 Marks



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



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](#)



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

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.

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Brainstorm

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

TIP

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

Sudir

It helps in reducing risks

Suggests speed limit while driving

Weather monitoring

In case of emergency, connected cars send automatic messages and warnings to

Smart LED signs are visible

It helps in detecting temperature both internal as

Sunilkumar

Cost efficient

It alerts the officials to nearest emergency service can reach there within

advanced driver assistance systems (ADAS) is expected to

It alerts about the upcoming accident

If vehicle speeds more than road speed limits than it generate user

Vehicle system always collect vehicle vitals by built in

Venkatesh

Stable technology system for monitoring, maintenance and

This aims to reduce accidents around traffic lights and reduce their violation too throughout real-time

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

These history data is large number of sensors that can do in communication with the cloud, other vehicles, and sensors. Thanks to this it provides data and information of great utility for the

Electronics were always the prime sponsors for an efficient traffic pathway and

All this helps to avoid breakdowns and, therefore, the prevention of

Sanjay Kumar

the fundamental data to guarantee road safety of the connected cars is

By knowing positions of other vehicles, the IoT driver can decide regarding the speed and there is no need for

It gives instant information on LED

It can reduce the number of accidents and improves

It makes the user aware about nearby whereabouts such as

It works perfectly in climatic

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.

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

it gives an accurate update on weather monitoring which gives an idea for IoT drivers in route finding and

Speed limit suggestion by IOT based on environmental

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

