


Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID33549
Project Name	Signs with smart connectivity for better road safety.
Maximum Marks	4 Marks




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



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


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!

Manisivarajapandi A

It helps in reducing risks for accident

Weather monitoring

Smart LED signs are visible from afar

Suggests speed limit while driving

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

It helps in detecting temperature both internal as well as external

Ranjith K

Cost efficient

advanced driver assistance systems (ADAS) is expected to grow to about 36 billion euros.

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

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

It alerts about the upcoming accident prone zones

Vehicle system always collect vehicle vitals by built in sensors and process it.

Pragadeeshwaran K

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

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

Electronics were always the prime sponsors for an efficient no traffic pathway and secured roads.

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

These incorporate a large number of sensors that establish communication with the cloud, other vehicles and devices. Thanks to that it provides data and information of great utility for the improvement of road safety.

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

Nithish kumar K

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

It gives instant information on LED

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

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

It can reduce the number of accidents and improves circulation.

It works perfectly in climatic conditions

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.

🕒 20 minutes

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

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

Speed limit suggestion by IOT based on environmental factors

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

