

Ideation Phase

Brainstorm&Idea Prioritization Template


Date	15 September 2022
Team ID	PNT2022TMID31446
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.

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

➔

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.

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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 to identify Prioritizing vehicles?

PROBLEM

How to measure traffic density?

PROBLEM

How to set speed limit based on climatic change?

PROBLEM

What are the factors affecting speed control?

PROBLEM

How to make efficient usage of resources?

PROBLEM

How to make dynamic traffic signals timings?

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 tell the group (don't be afraid to start drawing!)

Rohinith Ram R V

- providing safety
- protecting environment
- prioritizing the vehicles
- optimal use of resources
- time management
- speed change based on climate

Siva Chokkalingam S

- measure of traffic density
- proper use of indicators
- caution signs
- reaching destination without delay
- checking vehicle condition periodically
- tensionless driving

Atchayapriya M

- better usage of resources
- ensuring road safety
- preventing environmental damages
- making sure to prioritize life saving vehicles
- reduction of signals timing based on traffic density
- making traffic signals dynamic

Deepa jothi S K

- reducing fuel usage
- dynamic road signs at hospital and school zones
- cost efficient
- sign colour change based on environment condition
- following speed limit
- mental stability

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.
⌚ 20 minutes

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graph TD
    SC[Speed Control based on Climate] --- SLC[speed limit change based on climate condition]
    SC --- SCC[speed change based on climate]
    SC --- SCC2[sign colour change based on environment condition]
    SC --- DRS[dynamic road signs at hospital and school zones]
    SC --- MSLV[making sure to prioritize life saving vehicles]
    SC --- SLV[Saving lives]
    SC --- PV[prioritizing the vehicles]
    SC --- CE[cost efficient]
    CE --- RLU[reducing fuel usage]
    CE --- CSFL[caution signs and following speed limit]
    CE --- BUR[better usage of resources]
    
```

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

