


## Ideation Phase Brainstorm & Idea Prioritization Template

Date	26 September 2022
Team ID	PNT2022TMID12941
Project Name	Project – Signs with smart connectivity for better road safety
Maximum Marks	4 Marks

### Brainstorm & Idea Prioritization Template:

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



### Brainstorm & idea prioritization

Discussion regarding project Signs with smart connectivity for better road safety.

⌚ 10 minutes to prepare  
👥 1 hour to collaborate  
👤 4 people

PROBLEM

How might we facilitate driver in informing about the road conditions?

#### Step-2: Brainstorm, Idea Listing and Grouping

2  
Brainstorm

⌚ 10 minutes

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**Deepak A**

The traffic density can be monitored using ultrasonic sensors and updated through sign boards. The sign boards can be connected through IOT.

**Madhumitha K**

The infrared sensors can be used to monitor the density of traffic and updated to cloud. Based on cloud data, sign boards can be updated.

**Soundaryalaxmi B**

Weather monitoring sensors can be used to monitor the weather conditions and this data can be updated to cloud.

**Kanisha R**

Existing weather reports can be collaborated in cloud and updated in sign boards.

3  
Group ideas

List of ideas consolidated

⌚ 20 minutes

The traffic density can be monitored using infrared sensors or ultrasonic sensors.

↓

This sensor data can be updated to cloud

The existing weather reports along with weather monitoring sensor data can be updated in cloud.

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Based on cloud data, the sign board can be updated.

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## Step-3: Idea Prioritization

4

### Prioritize

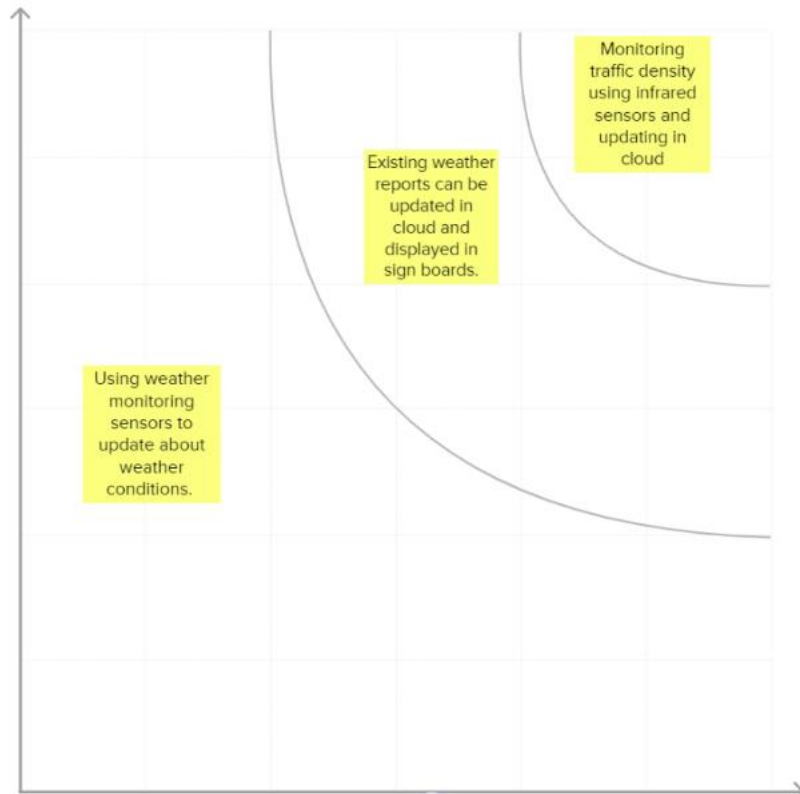
Prioritization of Ideas

⌚ 20 minutes



#### Importance

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



#### Feasibility

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