

IDEATION PHASE

BRAINSTORM & IDEA PRIORITIZATION TEMPLATE

Date	19 September 2022
Team ID	PNT2022TMID13679
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum Marks	4 Marks

TEAM ID: PNT2022TMID13679

1. Define your problem statement

Design a solution to improve road safety for drivers and pedestrians in urban areas. The solution should be innovative, feasible, and scalable. The solution should be designed to be implemented in a city with a high population density and a high number of vehicles.

Problem Statement

Urban areas with high population density and a high number of vehicles face a significant risk of road accidents. The current road safety measures are not sufficient to reduce the number of accidents. A solution is needed to improve road safety for drivers and pedestrians in urban areas.

Objectives

- Reduce the number of road accidents in urban areas.
- Improve the safety of drivers and pedestrians in urban areas.
- Design a solution that is innovative, feasible, and scalable.

Scope of the solution

The solution should be designed to be implemented in a city with a high population density and a high number of vehicles. The solution should be designed to be implemented in a city with a high population density and a high number of vehicles.

2. Brainstorm

Brainstorm ideas for a solution to improve road safety in urban areas. The solution should be innovative, feasible, and scalable. The solution should be designed to be implemented in a city with a high population density and a high number of vehicles.

Brainstorming Ideas

- Smart road signs that can communicate with each other and with vehicles.
- Smart road signs that can detect and respond to dangerous situations.
- Smart road signs that can provide real-time information to drivers and pedestrians.
- Smart road signs that can be used to monitor and manage traffic flow.
- Smart road signs that can be used to provide information about road conditions and construction.

3. Group Ideas

Group the brainstorming ideas into categories. The solution should be innovative, feasible, and scalable. The solution should be designed to be implemented in a city with a high population density and a high number of vehicles.

Grouped Ideas

- Smart Road Signs**
 - Smart road signs that can communicate with each other and with vehicles.
 - Smart road signs that can detect and respond to dangerous situations.
 - Smart road signs that can provide real-time information to drivers and pedestrians.
- Smart Road Infrastructure**
 - Smart road signs that can be used to monitor and manage traffic flow.
 - Smart road signs that can be used to provide information about road conditions and construction.

4. Prioritize

Prioritize the grouped ideas based on their importance and feasibility. The solution should be innovative, feasible, and scalable. The solution should be designed to be implemented in a city with a high population density and a high number of vehicles.

Prioritized Ideas

- Smart road signs that can communicate with each other and with vehicles.
- Smart road signs that can detect and respond to dangerous situations.
- Smart road signs that can provide real-time information to drivers and pedestrians.
- Smart road signs that can be used to monitor and manage traffic flow.
- Smart road signs that can be used to provide information about road conditions and construction.