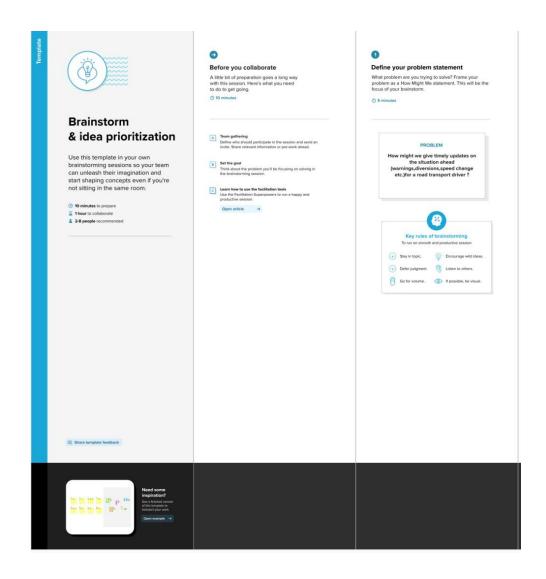
# Ideation Phase Brainstorm&Idea Prioritization Template

Date	19 September 2022	
Team ID	PNT2022TMID21418	
Project Name	Project - 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.

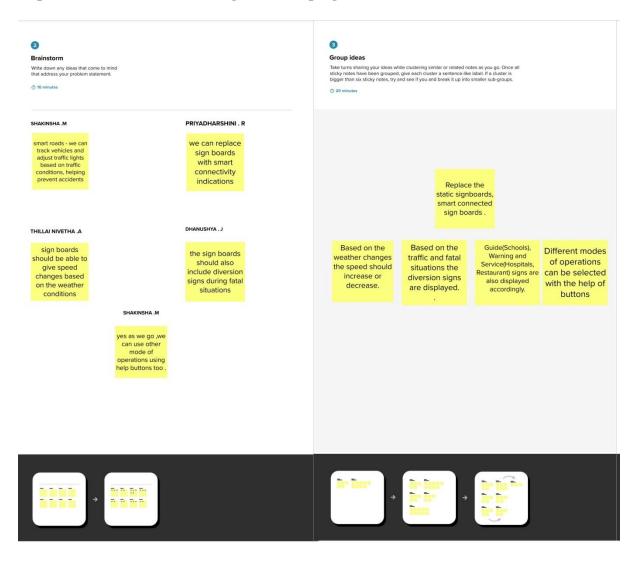
Step-1: Team Gathering, Collaboration and Select the Problem Statement



### **PROBLEM STATEMENT:**

Road transport drivers find it hard to get adapted to the changes prevailing in the weather, traffic, other fatal situations and thereby applying suitable driving measures like increasing/decreasing speeds and taking diversion measures accordingly becomes a challenging task. Road transport drivers find it hard to get adapted to the changes prevailing in the weather, traffic, other fatal situations and thereby applying suitable driving measures like increasing/decreasing speeds and taking diversion measures accordingly becomes a challenging task.

Step-2: Brainstorm, Idea Listing and Grouping



### **Step-3: Idea Prioritization**

MEMBERS	IDEAS	REVIEW
M.SHAKINSHA	Smart roads(traffic lights)	Good
		but solves only one part of
		the problem.
R.PRIYADHARSHINI	Smart sign boards with smart	Excellent .
	connectivity	Not clear about the solution.
A.THILLAI NIVETHA	Sign boards changes speed	Good idea .
	according to weather	This also comes under smart
	conditions	connectivity.
J.DHANUSHYA	Sign boards with timely	Good idea.
	updates of diversions signs	This also comes under smart
	and warnings	connectivity.

### FINAL SOLUTION FOR THE PROBLEM STATEMENT:

- To replace the static signboards, smart connected sign boards are used.
- These smart connected sign boards get the speed limitations from a web app using weather API and update automatically.
- Based on the weather changes the speed may increase or decrease.
- Based on the traffic and fatal situations the diversion signs are displayed.
- Guide(Schools), Warning and Service(Hospitals, Restaurant) signs are also displayed accordingly.
- Different modes of operations can be selected with the help of buttons.