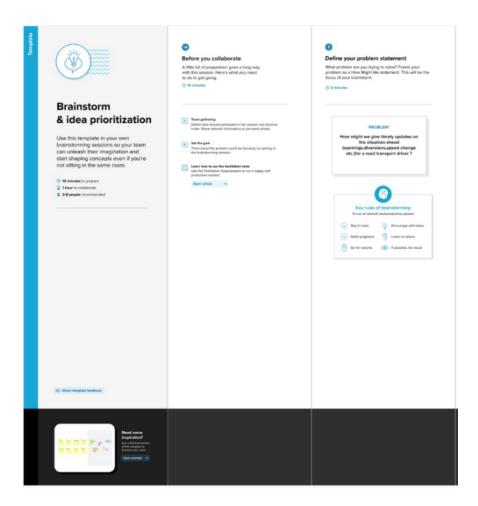
Ideation Phase Brainstorm&Idea Prioritization Template

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.

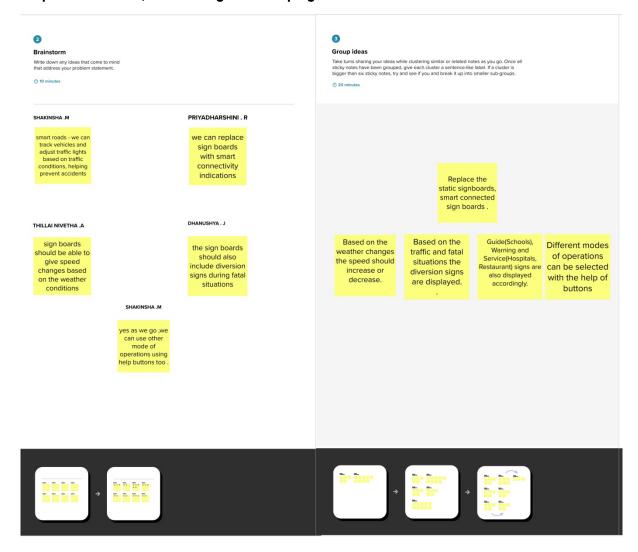
Step-1: Team Gathering, Collaboration and Select the Problem Statement



PROBLEM STATEMENT:

To give timely updates on the situation ahead (warnings, diversions, speed change ,etc) for a road transport driver .

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 connectivity	Excellent .
	Smart connectivity	Not clear about the
		solution.
A.THILLAI NIVETHA	Sign boards changes	Good idea .
	speed	This also comes under

	according to weather conditions	smart connectivity.
J.DHANUSHYA	Sign boards with timely updates of diversions signs and warnings	Good idea. This also comes under smart 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.