Ideation Phase
Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID21273
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.

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

TEAM GATHERING:

- Every week we as a team meet twice and collaborate from various points of views in order to contribute to the project.
- We work nearly 6-10 hours a day in order to find an optimal solution to the existing problem.

SET THE GOAL:

- The goal is to find a solution to our problem statement and finding means to optimise it.

PROBLEM STATEMENT:

In the current scenarios the road signs not being dynamic, just static , are causing a lot of problems to the people who travel by roads . We can change the road signs in certain cases such as with heavy rains decreasing the speed limits and making the vehicles take diversions in case of accidents.

Step-2: Brainstorm, Idea Listing and Grouping

TEAM LEAD : RAJARAJESVARRI G

CHECKING THE ROAD CONDITIONS

FIXING SIGNS ACCORDING TO THE ROAD AND THE WEATHER CONDITIONS

CREATING SIGNS THAT CAN BE UNDERSTTOD BY EVERYONE

BRAINSTORMING ALL THE PROBLEMS THAT CAN HAPPEN ON ROAD

TEAM MEMBER 1: HARISH A

DIVERTING OR ROUTING VEHICLES ACCORDING TO THE TRAFFIC

WORK IN PROGRESS ALERTING SYSTEM

WEATHER CONDITION BASED TRAFFIC SIGNALS ROUTING

COMPARING THE TRAFFIC DATA WITH THE PREVIOUS DAYS

TEAM MEMBER 2: KOWSANTH KALIDAS R

SPEED LIMITS IN THE ROAD BASED ON THE TRAFFIC DATA

NO NEED FOR WAITING FOR LONG PERIOD IN DESERTED ROAD ALERTS

NO NEED FOR WAITING PERIOD FOR AMBULANCE (ALERT SYSTEMS)

SLIPPERY ROADS , WATERY AND MUDDY ROAD ALERTS

TEAM MEMBER 3: NAVEEN KARTHIK K

ACCIDENT PRONE ZONE ALERTS

SCHOOL ZONE , PEDESTRIAN CROSSING ZONE , WILDLIFE CROSSING ZONE ALERTS
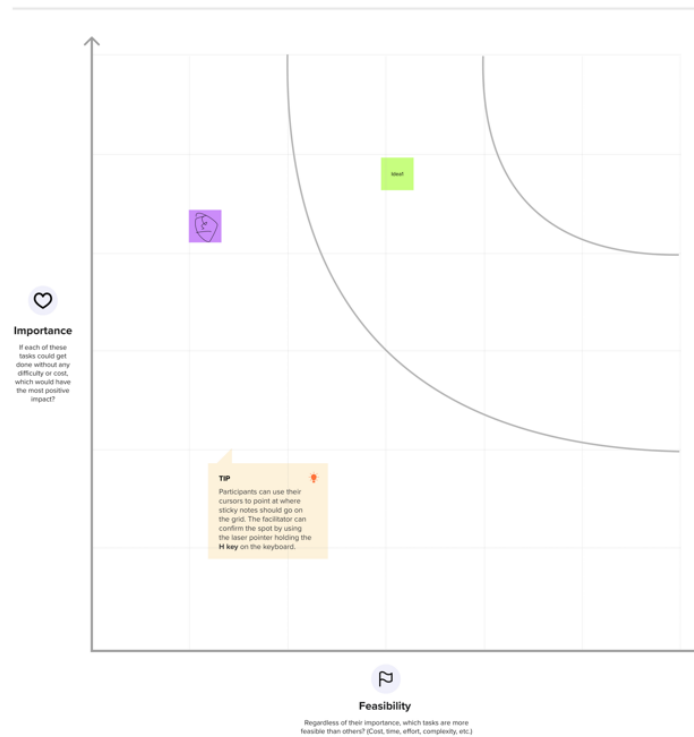
SLOWN DOWN VEHICLE ALERT

Step-3: Idea Prioritization

- Checking road conditions
- Sharp turning alerts
- Wet road alerts
- Ambulance alerts
- Slippery road alerts
- Speed limit alerts
- Accident based routing
- Diversion due to unfavourable conditions