Ideation Phase
Define the Problem Statements

Date	27 September 2022
Team ID	IBM-Project-6513-1658830701
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum marks	2 Marks

DOMAIN NAME: INTERNET OF THINGS

Topics: Signs with Smart Connectivity for Better Road Safety

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INTRODUCTION:

In present systems the road signs and the speed limits are Static. But the road signs can be changed in some cases. We can consider some cases when there are some road diversions due to heavy traffic or due to accidents then we can change the road signs accordingly if they are digitalized. This project proposes a system which has digital sign boards on which the signs can be changed dynamically. If there is rainfall then the roads will be slippery and the speed limit would be decreased. There is a web app through which you can enter the data of the road diversions, accident prone areas and the information sign boards can be entered through web app. This data is retrieved and displayed on the sign boards accordingly.

PROBLEM STATEMENT:

Traffic signs are the silent speakers on the road. Be it the person behind the wheel or a pedestrian, having sound knowledge about road safety is necessary for all before hitting the streets.

Traffic signs give information about the road conditions ahead, provide instructions to be followed at major crossroads or junctions, warn or guide drivers, and ensure the proper functioning of road traffic.

Road safety rules and traffic signals are the life saviour methods which should be adopted by each and every person while walking on the roads. These safety methods are designed to avoid accidents on the road and to reduce the risk of injury.

Being unaware of road signs is akin to throwing caution to the wind. It can lead to loss of life and property. A person is supposed to be familiar (get through a written or oral test) with the traffic signs and symbols before acquiring a driving license in India.