Project Design Phase-I
Proposed Solution

Date	08 October 2022
Team ID	PNT2022TMID22305
Project Name	Sign with Smart Connectivity for Better Road Safety
Maximum Marks	2 Marks

The project team shall fill in the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In present the road signs and the speed limits are Static. In some cases the road signs can change automatically. To control the heavy traffic, Accident, Injuries etc. And it used to change the directions, speed limits, emergency limits.
2.	Idea / Solution description	Iot based application for better road safety.Now we are using static signboards it can be replaced by smart sign boards. Iot it connects to open weather map where it collects the dates and speed limits from web app by weather API.
3.	Novelty / Uniqueness	Sign according to scenario diversion signs also displayed.Weather monitoring.
4.	Social Impact / Customer Satisfaction	To avoid accidents, road safety is must.The purpose of making signs with smart connectivity road safety is

		to establish safe journey among people.Confusing signs lead to traffic and accidents.
5.	Business Model (Revenue Model)	Since APIs are used to actively monitor the customer's environment, this project employs a business model where income is determined on how long customers actively interact with the product. The public will receive this product free of charge, but money will be made by selling it to the government for a fair price, preventing accidents, and raising awareness of errors or accidents on a particular road. The public will still learn everything there is to know about the road, even if they are searching for an alternate route because of any incidents that happen on the roads.
6.	Scalability of the Solution	The drivers get time savings. When a driver is going too fast, they may slow down when they see one of these signboards, which will save their life.