PROJECT DESIGN PHASE-I
PROPOSED SOLUTION TEMPLATE

Date	19 September 2022
Team ID	PNT2022TMID15148
Project Name	Project – SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY
Maximum Marks	2 Marks

Proposed Solution

SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	• The road signage in use today is static. Due to the climatic and weather conditions, the occurrence of road accidents increases and at some conditions the roads are blocked due to heavy traffic routes. • The speed limits in use today are static. Due to the speeding of vehicles, some mishaps might take place leading to risky driving.
2.	Idea / Solution description	Static signs will be replaced with smart signs that can modify speed limits based on the weather, provide detour warnings in the event of an accident, and display alerts in the event of hospitals, schools, or construction.
3.	Novelty / Uniqueness	• For all applications that update using both buttons and a web service, a digital sign board. • In the event of an accident, it alerts the riders in advance so they can choose more effective routes to their destination.
4.	Social Impact / Customer Satisfaction	• Alternative routes to go to a place may be taken by both working people and students as well as for ambulance with patients, which completely saves time. • The sign boards and traffic lights will display the reasons for the diversion.
5.	Business Model (Revenue Model)	This product is intended to be provided without charge to the general public, but cash will be created by selling it to the government for a reasonable price, to enhance the reduction of accidents and increasing public awareness of errors or accidents on a certain route.
6.	Scalability of the Solution	• The programming of the already available product and website application needs to be upgraded with the new capabilities for further upgrading. • Simple to maintain and effective system