PROJECT DESIGN PHASE-I
PROPOSED SOLUTION TEMPLATE

Date	19 September 2022
Team ID	PNT2022TMID22101
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)	• Currently used road signs are static. The frequency of road accidents rises as a result of climatic and meteorological factors, and under some circumstances the roads get clogged by high traffic. • Currently used speed restrictions are constant. Some accidents may occur as a result of cars travelling too fast, increasing the danger of driving.
2.	Idea / Solution description	• Smart signs, which may change speed limits based on the weather, advise of detours in the case of an accident, and show notifications in the event of hospitals, schools, or construction, will replace static ones.
3.	Novelty / Uniqueness	• A digital sign board is used for any apps that update utilising both buttons and a web service. • In the event of an accident, it alerts drivers so they can choose more efficient routes to reach their destination.
4.	Social Impact / Customer Satisfaction	• Alternative routes are available both for workers and students, as well as for ambulance patients, which completely saves time. • The sign boards and traffic lights will display the reasons for the diversion.
5.	Business Model (Revenue Model)	• Although this product is intended to be provided free of charge to the general public, it is sold to the government at a reasonable price in order to reduce the number of accidents and increase public awareness of errors and accidents on specific routes. will create cash.
6.	Scalability of the Solution	• Product programming is already available and website application needs to be updated with new features for further upgrade. • Simple to maintain and effective system