Project Design Phase-I
Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID33544
Project Name	Signs with Smart Connectivity for better Road Safety using IOT
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To incorporate the process of Signs with Smart Connectivity for better road Safety using IOT enabled signboards to reduce road accidents and to control the traffic.
2.	Idea / Solution description	To replace the static signboards, smart connected signboards are used. Based on the weather changes the speed may increase or decrease in signboards to guide the travellers. Based on the traffic and fatal situations the diversion signs are displayed.
3.	Novelty / Uniqueness	The smart connected signboards get the speed limitations from a web app using weather API and update automatically to reduce road accidents.
4.	Social Impact / Customer Satisfaction	To guide the travellers by provide warning regarding the presence of schools, institutions, hospitals and restaurant signs in the signboard accordingly.
5.	Business Model (Revenue Model)	It is used to reduce the traffic and make the better way for travellers. Most importantly, using this system we can avoid accidents and save the life of people with the help of smart signboards.
6.	Scalability of the Solution	This device can increase or decrease in performance and cost in response to changes in application. Based on the weather changes the speed may increase or decrease in signboards to help travellers for safe journey.