Date	5 november 2022
Team ID	PNT2022TMID13834
Project Name	SIGN WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Many factors increase both the risk of road traffic crashes and the risk of death or injury they result in. Driving at speed significantly increases both the likelihood of a crash occurring. People fail to understand signs and violation of rules. Traffic management is an essential part of modern mobility, and traffic signals help optimize the existing in the best possible way. It monitors and controls various modes of traffic in order to avoid congestion and to improve traffic flow.
2.	Idea / Solution description	Smart traffic lights can also be synced to the movement of larger vehicles or conditioned to respond appropriately to situations like gridlock or blockage. Simple programming modes of traffic in order to avoid congestion and to improve traffic Smart programming and

		digitization can be used to control traffic light operations in both larger and small urban areas.When traffic lights coordinate ideally and respond to demand in real-time, Road capacity can be maximized quickly. All of this programming can be done with expert knowledge.
3.	Novelty / Uniqueness	A display via smartphone is also possible. This improves convenience for drivers and leads to better traffic flow and less air pollution. Dynamic of sign board. Gives more detailed information to the road drivers.
4.	Social Impact / Customer Satisfaction	Reduced accident rates. Increase travel speeds. Increase operational efficiency.Real time information management. Create a platform for sharing traffic to other systems.Environment friendly.
5.	Business Model (Revenue Model)	LED signal lamp which compiles the European standards EN12368 and IP65 grade with 5 years performance warranty. Selling projects to the highway departments.It will provide service where the accidents avoid playing a vital role in the road
6.	Scalability of the Solution	Adaptive traffic control system (ATCS) considers developing

		countries traffic scenarios, vehicular movements and responds in real time.It uses downstream detection and provide a user friendly interface too.