

**Project Design Phase-I**  
**Proposed Solution Template**

Date	25 September 2022
Team ID	PNT2022TMID29129
Project Name	Project-Signs with Smart Connectivity For Better Road Safety
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Extreme weather conditions can cause low visibility on the road, making it difficult to see and follow static sign boards and increasing the risk of accidents. Damaged or improperly placed static sign boards could result in accidents or misguided directions that would take users in the wrong direction. As a result, we define the problem as static sign boards that do not adequately serve users.
2.	Idea / Solution description	In present Systems the road signs and the speed limits are Static. But the road signs can be changed in some cases. During rainfall the roads will be slippery. and the speed limit would be decreased accordingly if they are digitalized. This project proposes a system which has digital sign boards on which the signs can be changed dynamically.
3.	Novelty / Uniqueness	Digital sign boards with constantly changing signs are cost-effective and need low maintenance.
4.	Social Impact / Customer Satisfaction	The impact could be a decrease in traffic-related injuries during extreme weather conditions and fatalities among populations.
5.	Business Model (Revenue Model)	Apart from highways and traffic sign areas, Digital speed sign boards can be used in corporate campus to calm the traffic down and in residential societies for the safety of their citizens.
6.	Scalability of the Solution	Nil