Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID24762
Project Name	Signs 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)	• Watering the field is a difficult process, Farmers have to wait in the field until the water covers the whole farm field. • Power Supply is also one of the problems. In Village Side, the power supply may vary. • The Biggest Challenges Faced by IoT in the Agricultural Sector are Lack of Information, High Adoption, Cost and Security Concerns, etc
2.	Idea / Solution description	• As is the case of precision it guides(Schools),warning and service (Hospitals, Restaurants) signs also displayed accordingly of better to monitor the traffic and maintain the road safety accordingly. • The Data collected by sensors, IOT technology for connected public transport systems provides the real time vehicle tracking ,IOT influence and connected road ways , construction sites on road development , taking extra cautions when in accident prone areas.

3.	Novelty / Uniqueness	**ALERT MESSAGE** – IoT sensor nodes collect information from these it helps public transport agencies Communicate with Customers and provide accurate arrival times passenger information displays at transit stops better and stations **REMOTE ACCESS** –By connecting transportation infrastructure, IoT can create a on Co-ordinated system. which Can map
		how people can get to their destinations safely and on time.
4.	Social Impact / Customer Satisfaction	• Reduction of accident rate. • It saves a lot of time. • It will improve the maximum protection. • Saving of insurance cost. • IoT can also help e-commerce businesses thrive and increase sales. • Improves driving skills.
5.	Scalability of the Solution	• Every year road traffic accident kills approximately 1.32 million people world wide. • By using smart display we can show accident images like cars crashing, it is useful to even for uneducated people also while driving by observing those images.