

## **PROPOSED SOLUTION**

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<b>Title:</b> Signs with Smart Connectivity for Better Road Safety
<b>Team Number:</b> PNT2022TMID52873
<b>Problem statement:</b> Signs with Smart Connectivity for Better Road Safety

### **Signs with Smart Connectivity for Better Road Safety**

#### **1. Novelty:**

The sign board are made digital instead of static. Considering different factors different dynamic sign can be displayed in the sign board.

#### **2. Feasibility of idea:**

The conventional sign board does not create more effect on the roads which is easily avoid. Instead creating an smart connectivity sign board which indicates the current situation of the road which include traffic around the area, accident zone, any institute around the area ,hospital. This can achieve by sensing the condition of the area in an regular interval, creating an time based signal for the institute near area.

#### **3. Business model:**

The large scale implementation of smart sign board will give better road safety and decrease the accident rate.

#### **4. Social impact:**

Based on weather, traffic diversion signs, guide signs and warning signs are displayed to the public to avoid and decrease accident rate.

#### **5. Scalability:**

The existing sign boards are replaced into digital sign boards and placed in the same location with better position and visibility. Traffic diversion are implemented with better route. Thus this model reduces the travel time and accident can be prevented.