Project Design Phase-I - Solution Fit

Project Title: Signs with smart connectivity for better road safety Team ID: PNT2022TMID12612



By replacing the static signboards, smart connected signboards are used. Based on the weather report the speedlimit will be displayed

Proper network connection, Data Accuracy, Availability of proper device

A traveller/driver who wants to travel and reache their destination safely with any trouble or accident possibilities



User must use this technology and have information about traffic and weather conditions etc and travel accordingly.

To provide better safety for travellers by providing information about traffic and speed limit by analysing the weather conditions.

Lack of proper awareness about road safety and no proper knowledge about traffic rules.

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|  | **3. TRIGGERS TR**  Fear of accidents . By what they see during the travel and hearing news about accidents who travel without proper precautions. | **10. YOUR SOLUTION SL**  These smart connected sign boards get the speed limitations from a web app using weather API and update automatically.  Based on the weather changes the speed may increase or decrease.  Based on the traffic and fatal situations the diversion signs are displayed.  Guide(Schools), Warning and Service(Hospitals, Restaurant) signs are also displayed accordingly. Different modes of operations can be selected with the help of buttons. | 1. **CHANNELS of BEHAVIOUR CH**   **ONLINE:** Calling customer care, Mailing  **OFFLINE:** Going to service center |  |
| **4. EMOTIONS: BEFORE / AFTER EM** Wants to travel on the road -> About to make an accident -> feeling fearful -> follows traffic rules and take necessary precautions. |