Project Title: Signs with smart connectivity for better road safety. Team ID: PNT2022TMID38206

1. CUSTOMER SEGMENT(S) 6. CUSTOMER CONSTRAINTS 5. AVAILABLE SOLUTIONS cs Who is your customer? Which solutions are available to the What constraints prevent your customers from 1.Traffic police customers when they face the problem taking action or limit their choices 2. Highway division or need to get the job done? What have A crucial and unanticipated aspect of the 3.Passenger / drivers. they tried in the past? What pros & experiments was the network's impact. This cons do these solutions have? i.e. pen IoT-based system was successful in mimicking and paper is an alternative to digital a large-scale smart agricultural environment notetaking given the quantity of sensors. There are explicit directions provided in addition to the road ways. 7. BEHAVIOUR BE 2. JOBS-TO-BE-DONE / PROBLEMS J&P 9. PROBLEM ROOT CAUSE RC What is the real reason that this What does your customer do to address Which jobs-to-be-done (or problems) problem exists? What is the back do you address for your customers? the problem and get the job done? story behind the need to do this It is required to regularly monitor the The smart board receives frequent job? driver's speed limit and the ambient updates from the IOT cloud regarding the state of the route. temperature. was internet connection, the speed limit wouldn't change based on weather sensor readings. Some persons may cause issues by hitting the accident indicator button unnecessarily.

3. TRIGGERS What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news. Generally speaking, the weather is bad. At the threshold speed,

the car should be traveling. For customer notification, the

sensor value should be displayed on the smart board.

10. YOUR SOLUTION

If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.

As an alternative to static signboards, we use smart linked sign boards. These smart connected sign boards

8.CHANNELS of BEHAVIOUR

8.10NLINE
What kind of actions do customers take online?

The department can receive direct mails or messages from the public.

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4. EMOTIONS: BEFORE / AFTER

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How do customers feel when they face a problem or a job and afterwards?

The drivers will find it beneficial to adhere to the instructions on the smartboard.

automatically update with the most recent speed limits thanks to a web app and weather API. Depending on the weather, the speed may increase or decrease. Traffic and possibly fatal circumstances dictate whether or not diversion signs should be displayed. There are signs that state "Guide (Schools), Warning, and Service" (Hospitals, Restaurants) when applicable.

8.20FFLINE

What kind of actions do customers take offline?

By using the smart board signs, drivers can know the state of the road from wherever they are.