## 1. CUSTOMER SEGMENT(S)

Who is your customer?

- highway
  - division

## 6. CUSTOMER CONSTRAINTS

### 5. AVAILABLE SOLUTIONS

What constraints prevent your customers from taking action or limit their choices of solutions?

The impact of the network on the tests was a significant and unexpected element. Given the quantity of sensors, this IoT-based system was successful in simulating a large-scale smart agricultural setting.

Which solutions are available to the customers when they face the problem need to get the job done? What have

they tried in the past? What pros & cons do these solutionshave?

Along roadways, static signs with clear directions areput as potential fixes.

#### 2. JOBS-TO-BE-DONE / PROBLEMS



CS

Which jobs-to-be-done (or problems) do you address for your customers?

Among its many duties, the Smartboard Connectivity is in charge of keeping correct temperature sensor readings and informing the board of the speed of the customer's vehicle.

## 9. PROBLEM ROOT CAUSE



# 7. BEHAVIOUR



What is the real reason that this problem exists? Whatis the back story behind the need to do this

No sensor readings from the weather would alter the speed restriction if there was no internet connection. Unnecessary pressing of the accident indicator buttonby some people could lead to problems.

What does your customer do to address the problem and get the job done?

As a teacher, the IOT cloud updates the smartboard on the condition of the roads on a regular basis.

## 3. TRIGGERS



What triggers customers to act?

Poor weather conditions prevail. The vehicle should be moving atthreshold speed. The sensor value should be shown on the smart board to alert the customer.

## 4. EMOTIONS: BEFORE / AFTER



How do customers feel when they face a problem or ajo band afterwards?

Clients will feel better after selecting an operation modewith the use of smartboard connectivity, and they will then follow the instructions on the smartboard.

#### 10. YOUR SOLUTION



### 8. CHANNELS of BEHAVIOUR



3.1 ONLINE We employ smart linked sign boards as an alternative to static What kind of actions do customers take online?

signboards. With the help of a web app and weather API, these intelligent connected sign boards automatically update with the current speed limits. The speed may rise orfall in response to variations in the weather. The display of diversion signs determined by traffic and potentially fatal situations. As appropriate, there are also signs that read "Guide (Schools), Warning, and Service" (Hospitals, Restaurants). Using buttons, it is possible to choose from a

variety of operating modes.

3.2 What kind of actions do customers take offline?

customers. (Officers on nearby patrol).

Following directions is one of the main tasks for the traveller, but they can utilize the smartboard signs to checkthe state of the road from wherever they are.

The departments can receive direct emails or messagesfrom



EM

&

Identify strong TR

