

Problem-Solution Fit

Signs With Smart Connectivity For Better Road Safety

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS Who is your customer? <ul style="list-style-type: none"> Highway Department Traveller 	6. CUSTOMER CONSTRAINTS CC An important and unexpected factor in the experiments was the impact of the network. This IoT based system was successful in replicating a large scale smart farm environment considering the number of sensors.	5. AVAILABLE SOLUTIONS AS The available solutions are static boards with the predetermined instructions are placed in highway roads.	Explore AS, differentiate
Focus on J&P, tap into	2. JOBS-TO-BE-DONE / PROBLEMS J&P The Smartboard Connectivity requires quite number of jobs like, it should maintain the Temperature Sensor readings exactly and it should notify in the board to determine the customer car's speed.	9. PROBLEM ROOT CAUSE RC If there is no internet connection there would no sensor readings from the climate will affect the speed limitation. Some persons may press the accident indicator button unnecessarily it may create some issues.	7. BEHAVIOUR BE The IOT cloud behaves as the instructor to the smartboard about the road condition in regular intervals.	Focus on J&P, tap into C
Identify strong TR & EM	3. TRIGGERS TR For Example : The climate is in bad condition the car should be in threshold speed. To notify the customer using the sensors the value should be displayed on the smart board. 4. EMOTIONS: BEFORE / AFTER EM The customers would feel better after using the smartboard connectivity then they will follow the smartboard instructions.	10. YOUR SOLUTION SL Our Solution to replace the static signboards, smart connected sign boards are used. 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.	8. CHANNELS of BEHAVIOUR CH The traveller can use the smartboard signs to know the road condition whether the traveller from anywhere and following instructions is one of the big task for the traveller. The customers can directly send a feedbackmail or message to the departments . (Nearby Patrol Officers)	Extract online & offline CH of BE