Problem-Solution fit canvas 2.0

SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) — CS

In this modern world,The increasing number of road facilities and advance transportation infrastructures leads to people and workers to travel the roads freely and safely under traffic regulations.That traffic rules used to guidance for children to cross the road, people and workers can travel through the direction via signboard

6. CUSTOMER CONSTRAINTS — CC

Smart Connectivity has enabled for road and people safety with the help of digital signboard , openweatherapi and web application used to user can know the weather conditions anywhere .IOT based Signs with smart connectivity for better road safety is more effective for people

5. AVAILABLE SOLUTIONS — AS

Infrared sensor alternative we used to detect the traffic in road
Merits: Predict the traffic in earlier is helpful to divert the people in another way
Demerits: The roadways ,static signs with clear directions are put a potential fixes.

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. PROBLEMS — J&P

In road ways , if rainfall is occurs then the roads will be slippery so people can't decrease the speed of the vehicle that leads to accident or death. The smartboard connectivity is in charge keeping correct temperature sensor reading and informing the board of the speed of the customers vehicles.

9. PROBLEM ROOT CAUSE — RC

- Lack or incorrect vague road ways
- Lack or incorrect overspeed
- Lack or incorrect overtaking on the wrong side

7. BEHAVIOUR — BE

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

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS — TR

Over speed driving , rash driving, violation of rules, failure to understand signs, fatigue , alcohol and inclement weather that causes the people to accident or some time death. As the result it also affect public people time , efficient work and increase collision in Environment that problems are overcome by using Smart connectivity for better road safety

4. EMOTIONS: BEFORE / AFTER — EM

Traffic in road ways causes the people waiting time , can't reach the destination in correct time , increase collision that leads to loss of financial and other problems . In order to overcome using Smart connectivity for better road safety to avoid traffic and decrease speed limit while raining, thus used to reduce the death rate

10. YOUR SOLUTION — SL

IOT based Signs with Smart connectivity for better road safety Using openweatherapi to Prediction of weather in earlier stage that lead to help the people
to slow down speed by indicating the sign and by knowing the accident or traffic jam the before entering the road ways by using infrared sensor that leads to people take diversion to other way.

8. CHANNELS OF BEHAVIOUR — CH

1. ONLINE

We notify the information about of weather / traffic in web
application

8.2 OFFLINE

Using the digital signboard that indicates information about road safety

Extract online & offline CH of BE

AMALTAMA