Problem-Solution fit canvas 2.0

Project Title: Signs with Smart Connectivity for Better Road Safety.

Design Phase-I - Solution Fit
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Define CS, fit into CC

1. CUSTOMER SEGMENT(S) `CS`

Customers are mainly offered better road safety on roads and highways.
Customers are suffering from road traffic crashes that result in death.

6. CUSTOMER CONSTRAINTS `CC`

The Choices of solutions are limited by their budget, knowledge required to use the solution, database access, database connectivity, etc.

5. AVAILABLE SOLUTIONS `AS`

The current mechanism for using the digital board signs on which the signs can be changed dynamically.
Using Arduino IDE board and the Internet of Things can reduce the traffic on roads and highways.

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS `J&P`

Every signal has to implement smart connectivity for better roads.

This shows the people the past history of road traffic in a particular area.

It helps people to take diversions and

9. PROBLEM ROOT CAUSE `RC`

One of the major factors in road safety is it increases pollution, road traffic management, speeding, and red light jumping.

7. BEHAVIOUR `BE`

Verify whether the database or central control cloud is giving the correct information, digital signage, seismic sensor, sound sensor, image sensor, and weather conditions.

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

Identify strong TR &

3. TRIGGERS `TR`

Customers are triggered from the need to standardise the technology process to avoid the road traffic.

4. EMOTIONS: BEFORE /

In recent years people are getting frustrate and getting late to reach their destination on time.
Using this technology people can get the notification from the data base management through wireless transmission on their mobile phones.

10. YOUR `SL`

Based on the problems happen in roads or highways, make the people to frustrate.
The solution for the above problem is using Using new technology such as **smart traffic light and traffic control systems, internet of things, the use of telematics and automotive technology** can contribute to prevent and reduce the number of road related accidents and improve road safety.

8. CHANNELS of BEHAVIOUR `CH`

1. **ONLINE**

Customers can easily get the information from the database or central control to their respective mobiles.
Proper verification.
The applicant details are collected and verified. The verified data is given to the cloud computing.

8.2 OFFLINE

- It is time consuming processIt is
- complex to reduce the traffic.

Extract online & offline CH of BE