Project Design Phase-I - Solution Fit

Project Tittle: Signs With Smart Connectivity For Better Road

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1. CUSTOMER SEGMENT(S) `CS`

Public people, to make a safe journey and elite drive
Static TIP Signboards replaced and Smart Signboards used. Speed Limit from web app by weather API. IOT it's connected to Open Weather MAP.

6. CUSTOMER CONSTRAINTS `CC`

Road safety is essential to avoid accidents, the purposes of making sign with smart connectivity road safety to establish safe journey among the people. Confusing sign lead to traffic and accident.

5. AVAILABLE SOLUTIONS `AS`

Static TIP Signboards replaced and Smart Signboards used. Speed Limit from web app by weather API. IOT it's connected to Open Weather MAP

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

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.

9. PROBLEM ROOT CAUSE `RC`

Based on the weather changes the speed may increase or decrease. Based on the traffic and fatal situations the diversion signs are displayed

7. BEHAVIOUR `BE`

Guide (Schools), Warning and Service (Hospitals, Restaurant) signs are also displayed accordingly. Different modes of operations can be selected with the help of buttons.

3.TRIGGERS

TR

Detecting the weather, react automatically according to the open weather map ,
According to the peak hours the sign will be changed

4. EMOTIONS: BEFORE / AFTER

EM

Road safety is essential to avoid accidents, the purposes of making sign with smart connectivity road safety to establish safe journey among the people. Confusing sign lead to traffic and accident.

10. YOUR SOLUTION   SL

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

8. CHANNELS of BEHAVIOUR

CH

8.1   ONLINE

All the activity are done in the online iot platform in the IBM cloud, Python ,IOT Cloud Platform ,IBM Cloud, Node-RED,IBM IoT Platform, IBM Nodered,IBM Cloud ant DB

8.2   OFFLINE

User can use in the offline mode through the smart connected sign boards