Problem-Solution fit canvas 2.0

1. CUSTOMER SEGMENT(S) — CS

Our Customers are Parents or Guardians

6. CUSTOMER CONSTRAINTS — CC

No need of internet and sometimes it may be needs, Dependency on children, Need of Smart devices, Tracking and Monitoring.

5. AVAILABLE SOLUTIONS — AS

If any abnormal values are read by the sensor then an SMS is sent to the parents mobile and an MMS indicating an image captured by the serial camera is also sent.

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

More families are now spending time on work and social duties, hence away from their children. A momentary lack in parental supervision should be combated with an appropriate IT solution in context.

9. PROBLEM ROOT CAUSE — RC

According to a survey, roughly 60,000 children go missing in India every year.Safety of children is very critical since children cannot protect themselves.Therefore, it is necessary for the proposed system to alert the parents when the child walks too far away and/or outside the "circle of safety" when they are away.

7. BEHAVIOUR — BE

User needs to install this Application. They can track and monitor their children in both of the case(when they are online or offline).

3. TRIGGERS — TR

Crimes against children are increasing Year on Year. There is an assumption that every 10 minutes, a child goes missing. It triggers parents to install this process

4. EMOTIONS: BEFORE / AFTER — EM

Panic > Comfort
Before, the parents are tensed because it is difficult to monitor and track. Afterwards, they felt comfortable.

10. YOUR SOLUTION — SL

This research demonstrates Smart IoT device for child safety and tracking, to help the parents to locate and monitor their children. If any abnormal readings are detected by the sensor, then an SMS and phone call is triggered to the parents mobile. Also, updated to the parental app through the cloud. The system is equipped with GSM and GPS modules for sending and receiving call, SMS between safety gadget and parental phone. The system also consists of Wi-Fi module used to implement IoT and send all the monitored parameters to the cloud for android app monitoring on parental phone. Panic alert system is used during panic situations alerts are sent to the parental phone, seeking for help also the alert parameters are updated to the cloud.

8. CHANNELS of BEHAVIOUR — CH

8.1 ONLINE
Customer can access the gadget through the internet.They can track and monitor their children everywhere and at anytime with the help of internet.

8.2 OFFLINE
Customer can also get the SMS about their kids. They can track and monitor their children when they are offline.