Problem-Solution fit

Project Title: IoT Based Safety Gadget for Child Safety Monitoring and Notification.   Team ID:PNT2022TMID06109

1. CUSTOMER SEGMENT(S) CS

- Parents
- Family
- Relatives
- Care takers

6. CUSTOMER CONSTRAINTS CC

- Parents or relatives can't be their child all the time i.e)time constraint.
- Some gadget can be costly.so,parents could not buy it.

5. AVAILABLE SOLUTIONS AS

- Smart band technology is an alternate to child monitoring.
- If use Arduino Uno and Raspherry pi and then use location tracker to track the child location.

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

We can monitor the child for using some gadgets to detect the different sides of child activities it help to secure the child for dangerous situation.The gadget detect the problem near in child and the gadget send through the message or notification for the parents mobile.so we can some gadgets we avoid the problem.

9. PROBLEM ROOT CAUSE RC

Where the child was missing in particular place such as schools , parks and home?How should we identify the child?
The parent leave they child in school,home and parks etc.,parents are doing their work for example personal work,for they do daily activities at home etc.,carelessness of parents for some activities at home.

Child goes from school bus at there home,the child step down away from school bus,the child waiting for there parent in bus stop,some traffic situation they couldn't reach the child destination.

7. BEHAVIOUR BE

Gps and sensor.

3. TRIGGERS TR

Someone's child has gone missing.They found their child with the help of some gps gadget.If their child is already missing once,then to prevent it from another they use these gadget.

4. EMOTIONS: BEFORE / AFTER EM

Parents are sad and very nervous when the child is missing.Then they search for the child if he has gone somewhere nearby.

10. YOUR SOLUTION SL

The GPS unit and a fingerprint unit is connected to the Node MCU over the Wi-fi through an Arduino Uno the admins will manage and access the database unit.

8. CHANNELS of BEHAVIOUR CH

8.1 ONLINE

Track the location of the child and sending the notification to parents.

8.2 **OFFLINE**

Manual actions.

Identify strong TR & EM

Extract online & offline CH of BE