

Project Design Phase-I - Solution Fit Template

Project Title: IoT based safety gadget for child safety Monitoring and Notification

Team ID: PNT2022TMID17187

TEAM LEADER: BHARANI J

TEAM MEMBERS: AJITH V

ARULSELVAN A

BHARATH M

1. CUSTOMERS SEGMENT'(S)

Working parents or busy
parents of 0–10-year-old
kids

CS

6. CUSTOMER CONSTRAINTS

CC

5. AVAILABLE SOLUTIONS

AS

Lack of affordable, reliable and hassle-free technology, Lack of availability of secure and easy Ui.

There are existing solutions that offer location tracking for kids but they are not very efficient, cost effective and reliable all at the same time. This trade off should be addressed.

2. JOBS-TO-BE-DONE / PROBLEMS

Instantaneous tracking and updating of child's location, geofencing and notifying parents of any abnormalities

J&P

9. PROBLEM ROOT CAUSE

Customers have to do this to protect their children from potential threats and to ensure the safety while being far away from them.

RC

7. BEHAVIOUR

Customers panic, prevent their children from going out on their own, try using easily available technologies

BE

3. TRIGGERS

TR

Coming across news about children being kidnapped and abducted, missing cases being reported.

4. EMOTIONS: BEFORE / ALTER

EM

Before: Feel insecure, worried, scared and confused.

After: Relieved, calm, confident, happy.

10. YOUR SOLUTION

SL

Building a reliable technology that can address all the customer needs while being reliable and secure ensuring efficient functioning.

8.CHANNELS of BEHAVIOUR

8.1 ONLINE

Tracking their kid’s location with their mobile phones’ GPS, reading news about child safety and other child missing cases.

8.2 OFFLINE

Customers accompany their children to ensure safety, send them together with other reliable people, seek for protection in public places.