

# ***Safety Gadget for Child Safety Monitoring and Notification***

## **Project Design Phase-I - Solution Fit Template**

Date	18.11.2022
Team ID	PNT2022TMID46236
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification
Maximum Marks	2 Marks

## 1.CUSTOMER SEGMENT(S)

C

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

## 6. CUSTOMER CONSTRAINTS

CC

- Inadequate housing, exposure to violence, family stress, lack of preventive health care, substance abuse

## 5. AVAILABLE SOLUTIONS

AS

- 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.

## 2. JOBS-TO-BE-DONE / PROBLEMS

J&P

- Child tracker helps the parents in continuously monitoring the child's location.By continuously checking the child's location notifications will be generated if the child crosses the geofence. Notifications will be sent according to the child's location to their parents or caretakers. The entire location data will be stored in the database.

## 9. PROBLEM ROOT CAUSE

RC

- The busy schedule and hectic working lives of the parent are causing them not able to monitor the safety of their children.

## 7. BEHAVIOUR

BE

Customers panic, preventtheir children from going out on their own , trying easily available technologies.

Identify strong T & EM	<div>3. TRIGGERS</div> <div>TR</div> <div><ul style="list-style-type: none"><li>Coming across news about children being kidnapped and abducted, missing cases being reported.</li></ul></div>	<div>10. YOUR SOLUTION</div> <div>SL</div> <div>Building a reliable technology that can address all the customer needs while being reliable and secure ensuring efficient functioning.</div>	<div>8. CHANNELS of BEHAVIOUR</div> <div>CH</div> <div>8.1 ONLINE</div> <div>The android app uses global positioning system (GPS) and mobile services to find the child location. Programs and apps are available that can monitor kids' social media accounts and alert parents to any inappropriate language or photos.</div> <div>8.2 OFFLINE</div> <div>Customers accompany their children to ensure safety, send them together with other reliable people, seek for protection in public places.</div>
	<div>4. EMOTIONS: BEFORE / AFTER</div> <div>EM</div> <div><ul style="list-style-type: none"><li>Before: A sense of shock, disbelief, panic, fear, helplessness, or anger.</li><li>After: Relieved, calm, confident, happy</li></ul></div>		