

PROBLEM SOLUTION FIT

Date	19OCTOBER 2022
Team no	PNT2022TMID45857
Project name	IOT- Based safety gadget for child safety Monitoring and notification
Maximum marks	2 Marks

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS Who is your customer? i.e. working parents of 0-5 y.o. kids 1) Parents who are not able to look after their child. 2) Care-taker who are aged. 3) Customer who can't be with their child.	6. CUSTOMER CONSTRAINTS CC What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices. 1) The network connectivity is not interrupted 2) Affordability.	5. AVAILABLE SOLUTIONS AS Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking Developing an application that is able to monitor and track the child.	Explore AS, differentiate

Focus on J&P, tap into BE, understand RC	2. JOBS-TO-BE-DONE / PROBLEMS J&P Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides. 1) To constantly monitor the child. 2) Alert the parents via messages, once they cross the created geofence.	9. PROBLEM ROOT CAUSE RC What is the real reason that this problem exists? What is the back story behind the need to do this job? i.e. customers have to do it because of the change in regulations. Most of the children are getting kidnapped and facing many issues and these cases are growing rapidly. Each and every day the children are being assaulted and facing many problems and issues.	7. BEHAVIOUR BE What does your customer do to address the problem and get the job done? i.e. Directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace) 1) By setting a Geofence using GPS module. 2) Alert the parents by developing an application	Focus on J&P, tap into BE, understand RC

3. TRIGGERS TR As a child can't be able to take care of itself and may commit any mistake unknowingly.	10. YOUR SOLUTION SL To design a gadget that monitors the location of the child and also alert the parents in case of any emergency situation like child out of geofence.	8. CHANNELS of BEHAVIOUR CH Online: Application is developed to track the child's location and send an alert message to the parents in case of abnormality. Offline: biosensors and an emergency buzzer can be used.
4. EMOTIONS: BEFORE / AFTER EM		

Identify strong TR & EM

How do customers feel when they face a problem or a job and afterwards?
i.e. lost, insecure > confident, in control - use it in your communication strategy & design.

Before:uneasy,concerned, worried.
. After:assured,positive,
hopeful.

Identify strong TR & EM