Project Title: Personal Assistance for Seniors Who Are Self-Reliant   **Project Design Phase – 1**   **Team Id: PNT2022TIMID29810**

Problem Solution Fit

Define CS, fit into

1. CUSTOMER SEGMENT(S) — CS

Who is your customer?

The persons who need another person (caretaker) to monitor them to take the pills are my customers.

Eg: elderly people of 65+ years

6. CUSTOMER — 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.

The only constraint that prevents the customers from taking pills is when the pills are over.

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

There are some solutions through an app the person's health will be monitored. People in the past had no monitoring equipment's their caretakers reminds them with a call.

Explore AS,

Focus on J&P, tap into BE, understand

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.

I will address my customers to arrange some caretakers.
I will built an application where it reminds with a call or a notification message.

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.

The real reason behind this problem is some of the elders take wrong pills instead of the correct one. So this leads to under or over dosing. It will also has some side effects and health issues when we took the wrong one.

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)

The behaviour of the customers:
Directly related: Find a good caretaker for me
Indirectly associated: Some of my friends and my neighbours appointed caretaker to monitor their health.

Focus on J&P, tap into BE, understand

Identify strong TR & EM

3. TRIGGERS — TR

To take the pills regularly at the correct time triggers the people to use the automatic medicine reminder system

4. EMOTIONS: BEFORE / AFTER — EM

Before the people had a fear of forgetting the pills to be taken before the meal or after the meal.
After using the reminder system the people's fear about the pills is resolved

10. YOUR SOLUTION — SL

An app is built for the user (caretaker) which enables him to set the desired time and medicine. These details will be stored in the IBM Cloudant DB. If the medicine time arrives the web application will send the medicine name to the IoT Device through the IBM IoT platform. The device will receive the medicine name and notify the user with voice commands.

8. CHANNELS of BEHAVIOUR — CH

8.1 ONLINE

The user need to login to the web application to check the pills are over or not.

8.2 OFFLINE

The user and the volunteers can spread awareness to the people regarding the web application usage using which they can check the availability of pills.

Extract online & offline CH of BE