

Project Design Phase-I

Project Title: Personal Assistance For Seniors Who Are Self-Reliant

Team ID: PNT2022TMID27544

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS Our customers are people who require medical support; Also, our alert system can be used in hospitals and old age homes where people will require medical assistance.	6. CUSTOMER CONSTRAINTS CC Healthcare costs, lack of financial support, Difficulty with everyday tasks and mobility, Finding the right care provision and seclusion.	5. AVAILABLE SOLUTIONS AS The existing solutions for this project is setting reminders or using pill boxes, calendar, Personal Assistance. Though, the solutions give reminders, the voice commands or assistance given by this system is more efficient.	Explore AS, differentiate
	2. JOBS-TO-BE-DONE / PROBLEM J&P Skipping of medicines can be serious for some medical health conditions; in such cases this system would help the individual to take their medication on time.	9. PROBLEM ROOT CAUSE RC Sometimes elderly people forget to take their medicine at the correct time.They also forget which medicine one should take at that particular time. And it is difficult for doctors/caretakers to monitor the patients around the clock. To avoid this problem, this medicine reminder system is developed.	7. BEHAVIOUR BE Directly related:To download the web application so that the user can receive voice notifications on the connected IoT device. Through this application, the user can set the details of the medicine name and other details. Indirectly associated: Customers can be carefree and don't need a person round the clock to check on them.	
Identify strong TR and EM	3. TRIGGERS TR There are applications which already exist that give regular reminders to take medicines.	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 customers should have the mobile application on their devices so that they can get regular voice commands. 8.2 OFFLINE The customer should have the device or mobile near them. Also , the customer should update the schedule.	Identify strong TR and EM
	4. EMOTIONS: BEFORE / AFTER EM With this application built, which gives voice commands and alerting system which is more efficient in helping the elderly to take their medicines on time and can be carefree.			