Ideation Phase

Define the Problem Statements

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID15069 |
| Project Name | Personal Assistance For Seniors Who Are Self-Reliant |
| Maximum Marks | 2 Marks |

# Customer Problem Statement Template:

Tracking the health of a person and proper medication improves their lifetime. Studies suggest that most of the deaths of senior citizens occur during the night when the person is asleep. Sometimes elderly people forget to take their medicine at the correct time. They also forget which medicine they should take at that time. And it is difficult for doctors/caretakers to monitor the patients around the clock. This work proposes a personal assistant for the elderly or a patient. Personal assistants can provide in-home respite care, allowing family members or caretakers to take a temporary break. One such personal assistant is our medicine reminder system. An application is built for the user (caretaker) that enables him to set the desired time and medicine. These details will be stored in the IBM Cloudant DB. When 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. It also has added features for better usage and added benefits. It can also provide information on the medicines that the user is taking.

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| **Problem**  **Statement (PS)** | **I am**  **(Customer)** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| PS-1 | A retired officer with health problems and under medication | To be regular in my medicine intake without fail | I am unable to remember the timing and dosage of medicines | Of my increasing age and no other person to take care at home | Helpless and worried |
| PS-2 | A senior citizen | Remember the right medicine for a particular issue and be regular in taking my medicines | I can’t remember all of those medicines and sometimes forget to take my dosages at the specified time | Of my daily routine and weakening memory power | Confused and despondent |



