

Project Design Phase-I

Proposed Solution Template

Date	16 October 2022
Team ID	PNT2022TMID12805
Project Name	Project – Personal Assistance for Seniors Who Are Self-Reliant
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> Elderly people who forget to take their medicine and people who suffer from severe diseases need to take their medicines at correct time. Therefore we should create a routine ,a resort to something that reminds them to take medicined at right time. It is also a tedious task for the doctors/caretakers to monitor the patients around the clock.
2.	Idea / Solution description	<ul style="list-style-type: none"> Medicine remainder serves a s a good way to stay on track and uphold an appropriate schedule. Hence to avoid the problem faced by the elderly, we develop a medicine remainder system to ensure that they are properly taking their medications which avoids unnecessary illness. Here we use IoT device, web application, CloudantDB and text to speech. The medicine name and timing data should be stored in CloudantDB. If the medicine time arrives the web application notifies the IoT device through the IBM IoT platform. The device will receive the medicine name and notify the user with voice commands.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> This app sends a notification to the user when the person should take the medicine. It can also be used to analyze and track whether their loved ones are taking their medication on time.

4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> • This system is very useful for doctor and caretakers as it helps to monitor the patients easily. • This also boosts the confidence level of the user as it reminds them the correct time to take the medicine. • It prevents them from severe illness that may occur due to their forgetfulness. • It helps patients to enhance medication adherence even among those who lack experience with portable devices.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> • In business point of view, it helps medication management business to succeed and save from pointless wastings. • Despite a broad market proposition , the potential for medication reminder app development is still very high.
6.	Scalability of the Solution	<ul style="list-style-type: none"> • The growing number of mobile health applications helps to reduce global problem of non-adherence to long term medications. • It is expected to reduce medication error and improve patient adherence to medical prescriptions.