Project Design Phase-I
Proposed Solution Template

Date	29-09-2022
Team ID	PNT2022TMID34961
Project Name	Personnel Assistance For Seniors Who Are Self Reliant

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)	Sometimes elderly people forget to take their medicine at correct time. They also forget which he/she should take at that particular time. And it is difficult for doctor's/care takers to monitor the patients around the clock. To avoid this problem, the medicine remainder is developed. If the medicine arrives the web application will send the medicine name to that device. The device will receive the medicine name and notify the user with voice commands.
2.	Idea / Solution description	To remind the users to take medicines on time based on Android Operating system, when notification and automatic alarm ringing system. Android is primarily designed for touch screen mobile devices such as smart phone and tablet computers, developed by Google in conjunction with the Open Handset Alliance.
3.	Novelty / Uniqueness	The solution is about to remined the medicines. User can add details of his dosage schedules. Using the date field one can enter the starting and ending dates between which he has to take medicines. The time field shows the time of dosage and on that time the alarm will get rung. The user can add the description of the medicine, including name, purpose and other related description. All the information will be saved in the database. This makes any time availability of the patients' records. They can change the ringtone of the alarm from the ringtones stored in the devices.
4.	Social Impact / Customer Satisfaction	The application gives reliable reminders, good user interface, nice user experience and it supports many new features supporting medication adherence. We made a survey of 100 people including people of all ages. It is

		useful to the people of all ages. Searching doctor disease wise was surveyed beneficial to the people aged around 40 of the total population on whom the survey was made. People ageing under 55 found useful the feature of scheduling of the appointment. People of the greater ages are more likely to forget the medicine timings as well as remembering their appointments. The users will get the schedule of medicine in-take time with medicine description, starting and ending date of medicine, notification through message or email, automatic alarm ringing system and navigation system.
5.	Business Model (Revenue Model)	Many Medication Reminder Systems have been developed on different platforms. Many of these systems require special hardware devices to remind the patients about the medicine in-take timings. Purchasing new hardware devices becomes costly and more time and money consuming. So in the given work an attempt has been made to implement a system which is economical, easily accessible and improves medication adherence. The patients will get the schedule of medicine in-take time with medicine description, starting and ending date of medicine, notification through message or email, automatic alarm ringing system and navigation system. The scheduled reminder will not suggest any kind of medicine which is not prescribed by the doctor that will assure the safety of the patient and also will avoid wrong dosages. Doctors can view all the fixed appointments along with date and time, which he fixed and through this he can make new appointment schedules
6.	Scalability of the Solution	User can select them in either repeating or non-repeating alarm patterns. Any hourly time interval between alarms can be selected, starting from the minimum of 1 hour. At the scheduled time, application will produce a notification with an alarm, vibration or LED indication. Some of the systems have a default alarm tone so the users cannot change them. The scheduled reminder suggests any kind of medicine, dose of medicine, etc. automatically without doctor's prescription, which can cause harm to the patients.