

**Project Design Phase-I**  
**Proposed Solution Template**

Date	19 September 2022
Team ID	PNT2022TMID37064
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"><li>Sometimes elderly people forget to take their medicine at the correct time.</li><li>They also forget which medicine He / She should take at that particular time.</li><li>And it is difficult for doctors/caretakers to monitor the patients around the clock.</li></ul>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>To avoid this problem, we will develop a medicine remainder system.</li><li>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.</li><li>If the medicine time arrives the web application will send the medicine name to the IoT Device through the IBM IoT platform.</li><li>The device will receive the medicine name and notify the user with voice commands.</li><li>This system provides a real time monitoring system that allows relatives to monitor patient activity from a distance.</li></ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>This system provides alerts when it's time to take medicine and the details saved in the cloud database can be update automatically using IoT Technology.</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>This proposed system provides many facilities which help the patients to take medicine at right time and a real time monitoring system that allows relatives to monitor patient activity from a distance.</li></ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"><li>This prototype can be developed as communication between devices and the cloud, as well as between the devices themselves such as IoT device and web application app and also IBM IoT platform.</li></ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"><li>This can be developed as a medicine remainder app using web application and IoT devices such as Aurdino devices with cloud services and finally gives voice commands using IBM Text to speech Service.</li></ul>