

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

Date	01 October 2022
Team ID	PNT2022TMID42536
Project Name	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>Elderly people living alone in empty nests have safety hazards such as mistaking, missed medication, and mildew of the medication; at the same time, understand the medication situation of the elderly, carry out information statistics and feedback, and provide references for doctors or pharmacies.</li><li>So they need to be dependent on other persons which makes them feel more reliable on others.</li><li>There is lot of challenge for medical professionals to have an eye on patients 24x7.</li></ul>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>To avoid such complications, the medicine remainder system is developed.</li><li>For the user (caretaker), a web application is created that allows him to choose the preferred time and medication.</li><li>The IBM Cloud securely stores and protects all of the customer's or user's information.</li><li>If the medication's due time approaches, the web application will use the IBM IoT platform to send the medication's name to the IoT device.</li><li>The device will receive the medicine name and notify the user with voice commands.</li></ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>This enables the elderly to keep track of their medication intake in a nonintrusive and seamless manner.</li><li>Backup option is available, if the</li></ul>

		<p>data or record is deleted accidentally.</p> <ul style="list-style-type: none"> <li>• The user receives the voice command in the appropriate time.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>• It will also serve to assist the elderly in a more effective manner and will be used to improve their daily life in terms of medicine consumption.</li> <li>• Our system promotes safe and independent living which makes them more self-reliable and healthier cared-for individuals.</li> <li>• From anywhere in the world, family members may check on a loved one's wellbeing.</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>• Our proposed product will be a Subscriber Service which is very affordable.</li> <li>• Proper updates in the application according to trends and customer convenience which makes high Customer Retention.</li> <li>• Proper upkeep of privacy policies that enhances customers' trust.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>• The proposed application is more convenient to use in both Android and ios based systems.</li> <li>• The user can customize the timing of the intakes and update his medical records.</li> <li>• This solution is provided with Cloud storage with needed space.</li> <li>• Extra storage space can be provided with the subscription.</li> </ul>