

Project Design Phase-I Proposed Solution Template

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| Date | 20 October 2022 |
| Team ID | PNT2022TMID24659 |
| 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) | Some people find it difficult to learn new apps in this ever-expanding digital environment, and people nowadays tend to forget things more easily, such as taking their prescriptions. People need a way to remember to take their prescriptions without having to learn how to use sophisticated programs. |
| 2 | Idea / Solution description | An app is built for the user which enables him to set the desired time and medicine. These details will be stored in the IBM Cloud DB. If 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. |
| 3 | Novelty / Uniqueness | <p>1. Some of the systems have a default alarm tone so the users cannot change them. So in this app user can keep alarm tone of their wish.</p> <p>2. Many of the systems available require special hardware which need to be purchased. But we are creating this app for patients to use freely.</p> |
| 4 | Social Impact / Customer Satisfaction | <p>The remarkable problem is that patients forget to take the proper medicines in proper proportion and in proper time. Medication adherence, which refers to the degree or extent to which a patient takes the right medication at the right time according to a doctor's prescription, has recently emerged as a serious issue because many studies have reported that non-adherence may critically affect the patient, thereby raising medical costs.</p> <p>To avoid such situations this app is used to help in taking proper medications at proper timing. Thus it helps patient to lead a happy and healthier life. So this app will be very useful and it can save lot of patients by further sufferings and also save lot of money by saving patients by taking care of proper medications.</p> |

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| 5 | Business Model (Revenue Model) | Our project uses consumer value business model, as it give importance to customers value and benefits. So this helps to create interaction between us and the customers. The profit of our work depends on how the customers use our app and how they will be beneficial by using it. |
| 6 | Scalability of the Solution | Our work and ideas can be scalable by developing this app by adding further information about medicines and also we can add features like tele-medications. Which helps patients to get suggestion from doctor. These ideas will develop our project and also provide profit and customer satisfaction. |