

Project Design Phase-I Proposed Solution Template

Date	1 October 2022
Team ID	PNT2022TMID11020
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)	As pills have taken such an important role in everyday life, there has been in the past years an increase in the number of medical neglect cases related to incorrect medication given to patients, such as the case of the nurse who gave a patient a paralytic instead of an antacid that was prescribed by the doctor, causing the patient's death. After seeing so many of these cases, it is evidently crucial that the correct pill is taken by the correct person at the correct time, otherwise taking an incorrect one or not taking one at all may expose the patient to several dangerous situations, ranging from mild health issues up to death.
2.	Idea / Solution description	The Proposed Solutions are Health monitoring using IOT, Set up Smart home reminders, Linux Based Speaking Medication Reminder, Automatic Medicine Reminder Using Arduino, Smart Automatic Medicine Reminder, Get remainder via mobile app, Build a Morning or Bedtime Routine
3.	Novelty / Uniqueness	Smart pills, or digital pills, are prescription medications equipped with edible electronic sensors that send wireless messages to devices, like patches and smart phones or tablets, outside the body when they are ingested.
4.	Social Impact / Customer Satisfaction	Patients are not taking medication exactly as directed. A patient's diet may be interfering with medication. A patient's lifestyle habits may interfere with medication. A patient may have come or is in bad condition.
5.	Business Model (Revenue Model)	Consequently, the solution to the problem addressed in our problem statement is that in recent years, with economic development and technological progress, the traditional medical service system has been unable to adapt to changes in demand. With the gradual advancement of science and technology, how medical institutions can build big data analysis capabilities, enhance big medical analysis capabilities, create public benefits, and improve social welfare has become a concern of the medical community.

6.	Scalability of the Solution	IOT will help healthcare achieve the goals of better health outcomes, improved adherence to care plans, lower costs and enhanced access to patients.
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