

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

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| Date          | 19 September 2022  |
| Team ID       | PNT2022TMID07000   |
| 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 the proposed solution template.

| S.No. | Parameter                                | Description  |
|-------|--|--|
| 1.    | Problem Statement (Problem to be solved) | <p>The caretaker/doctor needs a way to notify the older people to take medicines as prescribed and to make them feel relieved from the fear of forgetting to take medicines.</p> <p>To enable the caretaker/doctor to maintain the medicine intake status of the elderly ,which helps to know the current health condition and to suggest medications.</p>   |
| 2.    | Idea / Solution description              | <p>The solution is to design an IoT device and an user-friendly application to notify the older people with medicine names at the scheduled time ,</p> <p>Enabling caretakers to schedule medicines, Maintain the medicine intake history and to suggest healthy meal plans.</p>   |
| 3.    | Novelty / Uniqueness                     | <p>The solution also helps older people who suffer from blindness, hearing loss , Alzheimer's disease and people who are bedridden.</p> <p>A text-to-speech service and a LCD display are used to help people who suffer from blindness and hearing loss , respectively.</p> <p>Reduces the risk of overdose of medicines, which further helps in reducing side effects of overdosage.</p> <p>Encourage people to take medicine at the scheduled time.</p> |
| 4.    | Social Impact / Customer Satisfaction    | <p>Relieves the stress of older people remembering to take medicines.</p> <p>It will be a life saving model for the older people.</p> <p>The caretaker can remotely monitor the medicine intake using the app dashboard.</p> <p>Continuous monitoring without physical presence of caretaker.</p>  |

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|----|--------------------------------|---|
| 5. | Business Model (Revenue Model) | <p>This model ,when used by older people, eliminates the need for frequent visits to the hospital , which is an economical benefit and time-saver.</p> <p>As we are planning to design a proprietary product as a solution and distribute it to clients/users, this will serve as our return on investment.</p> |
| 6. | Scalability of the Solution    | <p>The app can handle a large number of users' requests simultaneously because we use cloud for server implementation.</p> <p>Hence it is scalable.</p>   |