

Project Design Phase-II

Solution Requirements **(Functional & Non-functional)**

Date	16-10-2022
Team ID	PNT2022TMID33781
Project Name	Personal Assistance for Senior who are Self-Reliant
Maximum Marks	4 marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement	Description
FR-1	Front End - Node Red	It allows to connect Arduino devices & it mostly for web apps, API & services.
FR-2	Back End - Python	It is used by the developers can be used to build your personal Assistant to perform task designed by the user
FR-3	Database - Cloud	It is used to store the medicine that the user should be taken.
FR-4	Hardware - Arduino	It help to remind the user by using alarm.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-functional Requirement	Description
NFR-1	Usability	The effectiveness, efficiency and satisfaction with which specific users can achieve a specific set of tasks in a particular environment.
NFR-2	Performance	Performance measurements include: <ul style="list-style-type: none">➤ Quality and efficiency of Senior care.➤ Give Effective services.➤ Disparities in performance Care outcomes.
NFR-3	Flexibility	The user update their medicine with time in database that helps to easily remind the user to take medicine.
NFR-4	Time Remainder (Alarm)	To remind the users to take medicines on time and alert the user when notification and automatic

		alarm ringing system.
NFR-5	Proper medication	Remainder with tablet name that the user need medicine that are stored in database.