

## Project Design Phase-II

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

Date	21 October 2022
Team ID	PNT2022TMID34961
Project Name	Project – Personal Assistant for Seniors Who are Self Reliant
Maximum Marks	4 Marks

#### Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	<b>Set Alarm</b>	It helps in reminding about the medicines. All the information will be saved in the database. This makes any time availability of patients records.
FR-2	<b>Get Notification</b>	Once the alarm is set then the user gets the notification. User can Activate and Deactivate directly. A message format go with 'Notification through Message Mode.
FR-3	<b>Sensor</b>	This is used for keeping the record in medicine details the reminding the schedule of medicine. We have used the IoT enabled Arduino device for monitoring the System
FR-4	<b>GPS tracker</b>	Medical equipment GPS tracking can also help large hospitals and clinics manage their inventory more effectively
FR-5	<b>Add Medication</b>	We have to add medication with the medicine name and description

#### Non-Functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	If the medicine arrives the web application will send the medicine name to that device. The device will receive the medicine name and notify the user with voice commands.
NFR-2	<b>Security</b>	To reduce the risk of serious problems, one may need to apply extra care in monitoring and extra care in checking for interactions when a new drug is prescribed.
NFR-4	<b>Performance</b>	These apps offer simple and user-friendly functionality enabling quick scheduling.
NFR-5	<b>Availability</b>	To remind the users to take medicines on time based on Android Operating system, when notification and automatic alarm ringing system..
NFR-6	<b>Scalability</b>	User can select them in either repeating or non-repeating alarm patterns. Any hourly time interval between alarms can be selected, starting from an hour.