Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	16 October 2022
Team ID	PNT2022TMID39437
Project Name	Project - 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 (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Enabling user to make registration for the IOT device/application through Gmail
FR-2	User Confirmation	After registration process is done, the user will get confirmation via Email and receive a confirmation via OTP.
FR-3	User Need	User forget to take their medicine at the correct time. Sometimes they also forget which medicine he/she should take at that particular time and it is difficult for doctors/caretakers to monitor the patients around the clock
FR-4	Implementation process	When the medicine time arrives the web application will send the medicine name to the IoT Device. The device will receive the medicine name and notify the user with voice commands.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The device is user friendly and users will be notified to take the prescribed medicine at the right time.
NFR-2	**Security**	All the important data will be kept safe which is stored to remind the patient , in case of crash appears the device should be able to backup and recover the data.
NFR-3	**Reliability**	The device will be quality of being trustworthy and performing consistently well in giving all functionalities.
NFR-4	**Performance**	Performance of the device depends on the response time and speed of the data to be transferred. The device is faster and direct which depends on the efficiency of implemented algorithm.
NFR-5	**Availability**	The device will be available for 24x7 for users without any interruption.
NFR-6	**Scalability**	Support future increases in throughput (number of users) Maintains best possible user experiences.