**PROJECT DESIGN PHASE-II**

**SOLUTION REQUIREMENTS (FUNCTIONAL & NON-FUNCTIONAL)**

|  |  |
| --- | --- |
| **Date** | 19 October 2022 |
| **Team ID** | **PNT2022TMID30774** |
| **Project Name** | Personal Assistance for Seniors Who Are Self-Reliant |
| **Maximum Marks** | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **FN** **NO.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR - 1 | User Registration | User can Register their details through the Medicine Reminder App or Website. |
| FR - 2 | User login | In Login Process, User gives the valid Gmail Account or Phone number for authentication Process. |
| FR - 3 | Admin Login | In Administrator login Process, the Administrator should enter the valid ID and Password. |
| FR - 4 | User Medical Report | Users should produce the Medical Report (Medicine Report) for setting the alarm to consume the medicine through the Medicine reminder app or website. |
| FR - 5 | User Scheduling | User schedules their medicine or pills according to their prescribed time.  This scheduling may include details about the medicine, dosage, etc.. |
| FR - 6 | Alternating the schedule According to the User | The user can alter the medicine and timing details (i.e adding or deleting medicine) according to new prescription given by the doctor. |
| FR - 7 | A Reminder through the TTS Service | The Pills Reminder app notifies or reminds the user when to take Specific medicine through the Text-to-Speech (TTS) Service |
| FR - 8 | Alert message | The admin or hospital management send the alert message to the user and their guardian (family member)when the user did not consume pills on concern time. |
| FR - 9 | Report Maintaining | It Generate a report of the user in every week and those reports are send to their guardian or hospital .  The monthly Report are maintain for the future purpose.... |

**NON-FUNCTIONAL REQUIREMENTS:**

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

|  |  |  |
| --- | --- | --- |
| **NFR NO** | **Non-Functional Requirement** | **Description** |
| NFR – 1 | Usability | * It‘s user friendly reminder app, it’s more convenient to access for illiterate people. * This application is used to support multiple user. * The Reminder is easy to set up and use. |
| NFR - 2 | Security | * User’s Medical Reports are highly secure. . * Each part in reminder system is secured. |
| NFR - 3 | Reliability | * Ensuring that elder one is properly taking their medications and that help to avoid unnecessary risk or serious illness through reminder app. |
| NFR - 4 | Performance | * The Reminder provides acknowledgment in just one second once the Users information is checked. * The Reminder allows to set Multiple Reminders per day and Customize the alarm Sound. |
| NFR - 5 | Availability | * The Reminder is available all the time. * The Reminder app is available in both Online and Offline mode. |
| NFR - 6 | Scalability | * The Reminder needs to support at larger number of user at same time. |