**PROJECT DESIGN PHASE -II**

**SOLUTION REQUIREMENTS(Functional & Non-**

**Functional)**

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| --- | --- |
| Date | 16 October 2022 |
| Team ID | PNT2022TMID44982 |
| Project Name | Personal Assistance for Senior Who are Self - Reliant |
| Maximum Mars | 4 Marks |

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

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Access Cloud services | Access the cloud service with correct credentials Store the details in the database Retrieve needed information for the user’s operation |
| FR-4 | IOT configuration | Fine Tuning the IOT device based on preference Access the Cloud DB via device Manage the request and response effectively |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | App can be used by anyone who has operational knowledge about internet and computer. |
| NFR-2 | **Security** | For security, TFA is enabled and biometrics are alsoadded for user safety. |
| NFR-3 | **Reliability** | Highly reliable since, It uses Trusted cloud services like IBM |
| NFR-4 | **Performance** | Performance is better compared to other market products. |
| NFR-5 | **Availability** | Available on mobile app. Web version is getting ready for next release. |
| NFR-6 | **Scalability** | Using Cloud services, makes the scalability higher the using traditional database. |