**Project Design Phase-II**

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

| Date | 03 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID43213 |
| Project Name | Project - Real-Time Communication System Powered by AI for Specially Abled |
| 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 | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | system | system with high resolution camera and high level of access authorization system |
| FR-4 | external Interface | good Internet facility for smooth access of resources |
| FR-5 | Reporting | if any issues found in the application,automatically it will be notified to the developer. |

**Non-functional Requirements:**

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

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | to convey a message to normal people |
| NFR-2 | **Security** | Converted information using signs into speech is accessed only by the user |
| NFR-3 | **Reliability** | Provides insights into potential issues for desktop application on managed devices |
| NFR-4 | **Performance** | the time for converting signs into speech should be faster for the real time communication |
| NFR-5 | **Availability** | provides automatic recovery as much as possible |
| NFR-6 | **Scalability** | this app enables deaf and dumb people to convey their information using signs which get converted to human-understanding language and speech is given as output. |