**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 05 October 2022 |
| Team ID | PNT2022TMID07105 |
| Project Name | 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 number |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Communication | User must know basic sign language to operate |
| FR-4 | User Communication | The user have confident to communicate in front of the camera |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The scan all expressions that you do it. |
| NFR-2 | **Security** | The system is secure your record though your thumb impressive. |
| NFR-3 | **Reliability** | The system is very liable, it could last for long amount of time if we well maintained |
| NFR-4 | **Performance** | Worth of buy it, gives a better model to our people. |
| NFR-5 | **Availability** | The solution fits all the sign languages when we train the model for all the sign languages, so it is used by all the countries side with different languages. |
| NFR-6 | **Scalability** | The system is fast, it shows output rapidly. Even it predicts different types of sign language |