# Project Design Phase-II

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

|  |  |
| --- | --- |
| **Date** | 27October 2022 |
| **Team ID** | PNT2022TMID23730 |
| **Project Name** | Real-Time Communication System Powered by AI for Specially Abled |

## 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 Registrationthrough Gmail |
| FR-2 | User Conﬁrmation | Conﬁrmation via Email Conﬁrmationvia OTP. |
| FR-3 | Create connection | Create a connection between users |
| FR-4 | Access the input | Get the user input through webcam/camera/voice |
| FR-5 | Conversion | Convert the input to voice and voice to sign language |

## Non-functional Requirements:

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Making a UI user-friendly creates an easy approach to comprehend it. |
| NFR-2 | **Security** | Making the connection between the users without any interference from the external user. |
| NFR-3 | **Reliability** | The application must run smoothly and without errors. |
| NFR-4 | **Performance** | The speed at which a website's pages load and appear in a web browser is referred to as website performance. |
| NFR-5 | **Availability** | The ability of users to access and use a website or web service is referred to as website availability (also known as website uptime). Usually, a website's availability is expressed as a percentage for a speciﬁc period of time. |

|  |  |  |
| --- | --- | --- |
| NFR-6 | **Scalability** | The ability of users to access and use a website or web service is referred to as website availability (also known as website uptime). Usually, a website's availability is expressed as a percentage for a speciﬁc period of time. |