

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

Date	04 November 2022
Team ID	PNT2022TMID29926
Project Name	Real-Time Communication System Powered by AI for Specially Abled

**Functional Requirements:**

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Making a UI user-friendly creates an easy approach to comprehend it.
NFR-2	<b>Security</b>	Making the connection between the users without any interference from the external user.
NFR-3	<b>Reliability</b>	The application must run smoothly and without errors.
NFR-4	<b>Performance</b>	The speed at which a website's pages load and appear in a web browser is referred to as website performance.

NFR-5	<b>Availability</b>	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.
-------	---------------------	--

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
FR-2	User Confirmation	Confirmation via Email Confirmation via 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.

NFR-6	<b>Scalability</b>	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.
-------	--------------------	--