

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

Date	22 October 2022
Team ID	PNT2022TMID03512
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	User Interface	Can be easily accessed and handled & is user friendly
FR-4	Collection of datasets	Pictures of hand gestures and sign language & audio description of them

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Used for communication between specially abled person and normal person without any barriers.
NFR-2	<b>Security</b>	The user's personal data and details are protected while using the application
NFR-3	<b>Reliability</b>	Efficient recognition of the sign language is done and accurate audio form is provided
NFR-4	<b>Performance</b>	The proposed model is more efficient and can also be accessible by lots of people since it will be deployed on the internet with a user-friendly interface
NFR-5	<b>Availability</b>	It can be easily accessed with the help of mobiles, smart watches and also computers.
NFR-6	<b>Scalability</b>	The model can be scaled up by the industries to provide access to everyone in this world and further it can extended to provide service in various languages.