

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

<b>Date</b>	07 October 2022
<b>Team ID</b>	PNT2022TMID29700
<b>Project Name</b>	Real-Time Communication System Powered By AI for Specially-Abled
<b>Maximum Marks</b>	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

<b>FR No.</b>	<b>Functional Requirement(Epic)</b>	<b>Sub Requirement (Story / Sub-Task)</b>
FR-1	<b>User Registration</b>	Registration through Form Registration through Gmail
FR-2	<b>User Confirmation</b>	Confirmation via Email Confirmation via OTP
FR-3	<b>System Requirements</b>	Desktop with high resolution camera
FR-4	<b>Authorization</b>	The two levels of authorization are standard access level and advanced access level
FR-5	<b>External Interface</b>	Ethernet, Wi-Fi, USB to provide internet facility to access the resources with real time communication
FR-6	<b>Reporting</b>	Any issues found in the application, then automatically it will be notified to the developer

**Non-functional Requirements:**

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

<b>FR No.</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
NFR-1	<b>Usability</b>	To communicate a message to the normal people and to translate speech into sign language that the deaf and the dumb may understand.

NFR-2	<b>Security</b>	Only users have access to material that has been translated from signs into voice.
NFR-3	<b>Reliability</b>	Provides information about possible problems with desktop apps on controlled devices.
NFR-4	<b>Performance</b>	For real-time communication, the process of translating signals into voice needs to happen more quickly.
NFR-5	<b>Availability</b>	Provides as much spontaneous recuperation as feasible.