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

Date	28 October 2022
Team ID	PNT2022TMID22164
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 Google account .
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP Password received via Gmail .
FR-3	User Login	Login with the registered mail Id and password .
FR-4	User Data	Sign language is taken as user data and processed using required data / functions .
FR-5	User Voice	A voice is generated as an output for normal people from sign language data provided .

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Add Images with text and allow users to understand normal people conversation using sign language data and this makes them to interact with normal people easily .
NFR-2	**Security**	Data shared by deaf – mute and dumb people will be highly secured as no third party involved in it .
NFR-3	**Reliability**	Performance will be consistent throughout the usage of website and easy accessible .
NFR-4	**Performance**	Better performance will be provided through sign language and assistive technology .
NFR-5	**Availability**	It is meant to be easy for all smart phone users with good internet facility .

NFR-6	**Scalability**	Handling will be more convenient because it will be installed on smartphones; no separate device required.