Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	19 October 2022
Team ID	PNT2022TMID02070
Project Name	Real-Time Communication System Powered by AI for the 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 Registration through Mobile Number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP Confirmation via Message
FR-3	Update Profile	Update user biodata, profile picture, etc.
FR-4	User Authentication	Authentication can be done using fingerprints. And also can be done using face and voice recognition.
FR-5	Report	This will be more useful to improve the issues faced by deaf and mute people.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Users can use the application which can be used in any os And people from different countries can use it.
NFR-2	**Security**	This is the challenging task to give high security to user data that can be done by encryption.
NFR-3	**Reliability**	If any bugs in the application can be rectified in a quick time to increase reliability this can be maintained by giving updates to an application.
NFR-4	**Performance**	The application server will not crash often so users can use the application without any disturbance also deaf people should see sign language through the application faster and clear without any delay
NFR-5	**Availability**	The availability of an application to users is all time except when the app is being updated but it will finish within a few minutes.
NFR-6	**Scalability**	The performance of our application will be great if more people use it at a time. It will handle the databases and backend services perfectly. So it is highly scalable in nature.