Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	14 October 2022
Team ID	PMT2022TMID47628
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 LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Image Capturing Processing	Provides Access to Capture Image Through Camera Provides Access to Upload Image Through Gallery
FR-4	Text Conversion System	System converts the sign language into a Text using the CNN model (deep learning algorithm)
FR-5	Sentence level Translation	A System that recognizes separate signs one-by-one could only provide a translation in a situation where SEE (Signed Extract English) is provided
FR-6	Review	Users can give their the feedback or review on the Review page about the Application

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The Most Usability dimensions appears learnability ,accessibility ,Sign languages and satisfication the usefulness of Mobile Application meant to specially abled
NFR-2	**Security**	ADT-Best Security System for the specially abled Overall Simplisafe- Best Security System for the specially abled With an App
NFR-3	**Reliability**	The Sign method is the most accepted method as a means of communication to specially abled people
NFR-4	**Performance**	Languages,behaviour norms significant role in each of the pepole
NFR-5	**Availability**	Loop system ,accessible it helps to people who are specially abled
NFR-6	**Scalability**	Sign language which will deal with development of an automatic sign language recognition/verification and sign product