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

Date	2 November 2022
Team ID	PNT2022TMID25963
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.

	Functional Requirement (Epic)	**Sub Requirement (Story / Sub-Task)**
FR-1	User Registration	**LOW VISION:** As a user who has trouble reading due to low vision, I want to be able to make the text larger on the screen so that I can read it. **Registration through Gmail**
FR-2	User Confirmation	**IMPAIRED USER:** As a user who is hearing -impaired, I want a turn on video captions so that I can understand what is being said in videos. **Confirmation via Email**
FR-3	User Registration	**COLOR BLINDNESS**: As a user who is color blind, I want to links to be distinguishable on the page so that I can find the links and navigate the site. **Registration through Gmail**

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	• Visual and Audio Help • Text size scaling • Reverse contrast
NFR-2	**Security**	Important information: • Walking in single file or in narrow space. • Steps, Stairs and Slope. • Kerbs and Roads
NFR-3	**Reliability**	To determine reliability measures are: • Test-Retest Repeatability • Individual Repeatability
NFR-4	**Performance**	To determine predictors of success in reading with low vision aids, in terms of reading acuity, optimum acuity reserve, and maximum reading speed , for observers with low vision for various causes.
NFR-5	**Availability**	Lack of adequate low vision services and barriers to their provision and uptake impact negatively on efforts to prevent visual impairment and blindness.
NFR-6	**Scalability**	There is a large selection of device to help people with low vision .Some are “Optical”, glass lenses such as magnifying glasses and telescopes.