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

Date	11 October 2022
Team ID	PNT2022TMID37805
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.