

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	14 October 2022
Team ID	PNT2022TMID28428
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	<ul style="list-style-type: none">• Visual and Audio Help• Text size scaling• Reverse contrast
NFR-2	Security	Important information: <ul style="list-style-type: none">• Walking in single file or in narrow space.• Steps, Stairs and Slope.• Kerbs and Roads
NFR-3	Reliability	To determine reliability measures are: <ul style="list-style-type: none">• 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.