

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

Date	15 October 2022
Team ID	PNT2022TMID44309
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.

	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	<b>LOW VISION:</b> 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. <b>Registration through Gmail</b>
FR-2	User Confirmation	<b>IMPAIRED USER:</b> 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. <b>Confirmation via Email</b>
FR-3	User Registration	<b>COLOR BLINDNESS:</b> 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. <b>Registration through Gmail</b>

### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	<ul style="list-style-type: none"><li>• Visual and Audio Help</li><li>• Text size scaling</li><li>• Reverse contrast</li></ul>
NFR-2	<b>Security</b>	Important information: <ul style="list-style-type: none"><li>• Walking in single file or in narrow space.</li><li>• Steps, Stairs and Slope.</li><li>• Kerbs and Roads</li></ul>
NFR-3	<b>Reliability</b>	To determine reliability measures are: <ul style="list-style-type: none"><li>• Test-Retest Repeatability</li><li>• Individual Repeatability</li></ul>
NFR-4	<b>Performance</b>	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	<b>Availability</b>	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	<b>Scalability</b>	There is a large selection of device to help people with low vision .Some are “Optical”, glass lenses such as magnifying glasses and telescopes.