

ProjectDesignPhase-II
SolutionRequirements(Functional&Non-
functional)

Date	11October 2022
Team ID	PNT2022TMID30475
ProjectName	Project – RealTimeCommunicationSystem PoweredbyAIforSpeciallyAbled.
MaximumMarks	4Marks

FunctionalRequirements:

Followingarethefunctionalrequirementsoftheproposedsolution.

	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	UserRegistration	LOWVISION: As a user who has trouble reading due to lowvision, I want to be able to make the text larger on thescreensothat Icanreadit. RegistrationthroughGmail
FR-2	UserConfirmation	IMPAIREDUSER: As a user who is hearing -impaired, I want a turnon video captions so that I can understand what is beingsaidin videos. ConfirmationviaEmail
FR-3	UserRegistration	COLORBLINDNESS: As a user who is color blind, I want to links to bedistinguishable on the page so that I can find the linksandnavigatethe site. RegistrationthroughGmail

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", glasses such as magnifying glasses and telescopes.