

ProjectDesignPhase-II
SolutionRequirements(Functional&Non-functional)

Date	11October2022
TeamID	PNT2022TMID42055
ProjectName	Project– RealTimeCommunicationSystemPowered byAIforSpeciallyAbled.
MaximumMarks	4Marks

FunctionalRequirements:

Followingarethefunctionalrequirementsoftheproposedsolution.

	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	UserRegistration	LOWVISION: Asauserwhostroublereadingduetolow vision,Iwanttobeabletomakethetextlargeronthescreen sothatIcanreadit. RegistrationthroughGmail
FR-2	UserConfirmation	IMPAIREDUSER: Asauserwhoishearing- impaired,IwantaturnonvideocaptionssothatIcanunders tandwhatisbeingsaidinvideos. ConfirmationviaEmail
FR-3	UserRegistration	COLORBLINDNESS: Asauserwhoiscolorblind,Iwanttolinkstobedistin guishableonthepagesothatIcanfindthelinksandnaviga tethesite. 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 devices to help people with low vision. Some are "Optical", glass lenses such as magnifying glasses and telescopes.