ProjectDesignPhase-II

SolutionRequirements(Functional&Non-functional)

Date	11October2022
TeamID	PNT2022TMID42039
ProjectName	Project– RealTimeCommunicationSystemPowered byAIforSpeciallyAbled.
MaximumMarks	4Marks

FunctionalRequirements:

Followingarethefunctionalrequirementsoftheproposedsolution.

	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	UserRegistration	**LOWVISION:** Asauserwhohastroublereadingduetolow vision,Iwanttobeabletomakethetextlargeronthescr eensothatIcanreadit. **RegistrationthroughGmail**

FR-2	UserConfirmation	**IMPAIREDUSER:** Asauserwhoishearing- impaired,IwantaturnonvideocaptionssothatIcanunderstandwhatisbeingsaidinvideos. **ConfirmationviaEmail**
FR-3	UserRegistration	**COLORBLINDNESS**: Asauserwhoiscolorblind,IwanttolinkstobedistinguishableonthepagesothatIcanfindthelinksandnavigatethesite. **RegistrationthroughGmail**

Non-functionalRequirements:

Followingarethenon-functionalrequirementsoftheproposedsolution.

FRNo.	Non-FunctionalRequirement	Description
NFR-1	**Usability**	•VisualandAudioHelp •Textsizescaling •Reversecontrast
NFR-2	**Security**	Importantinformation: •Walkinginsinglefileorinnarrowspace. •Steps,StairsandSlope. •KerbsandRoads.
NFR-3	**Reliability**	Todeterminereliabilitymeasuresare: •Test-RetestRepeatability •IndividualRepeatability
NFR-4	**Performance**	Todeterminepredictorsofsuccessinreadingwithlowvisionaids,intermsofreadingacuity,optimum acuityreserve,andmaximumreadingspeed,forobserverswithlowvisionforvariouscauses.
NFR-5	**Availability**	Lackofadequatelowvisionservicesandbarrierstotheirprovisionanduptakeimpactnegativelyon effortstopreventvisualimpairmentandblindness.
NFR-6	**Scalability**	Thereisalargeselectionofdevicetohelppeoplewithlowvision.Someare"Optical",glasslensesuchasmagnifyingglassesandtelescopes.