PROJECTDESIGNPHASE-II

SolutionRequirements(Functional &Non-functional)

Date	03 November 2022
TeamID	PNT2022TMID01045
ProjectName	Real-Time Communication SystemPoweredbyAIforSpeciallyAbled
MaximumMarks	4 Marks

FunctionalRequirements:

Followingarethefunctionalrequirementsof theproposedsolution.

FRNo.	Functional requirement(Epic)	Sub Requirement(Story/Sub-Task)
FR-1	Usercommunication	User Must Know the SignLanguage
FR-2	Usercommunication	The user Has tocommunicate in Front of theCamera

Non-functionalRequirements:

Followingarethenon-functionalrequirementsoftheproposedsolution.

FRNo	Non-FunctionalRequirement	Description
NFR-1	Usability	The camera captures allexpressions including facialexpressions and hand gestureswhichcanbeeasilyusedbyall age groups.
NFR-2	Reliability	The system is very liable, itcanlastforlongamountsof timeifwellmaintained.
NFR-3	Performance	Thecost-effectivenatureofthe system makes it extremelyliableandthus,efficient.
NFR-4	Availability	The solution fits all the signlanguages when we train themodel for all the signlanguages. So, it is used by allthecountrieswithdifferent languages.
NFR-5	Scalability	The system gives outputrapidly. It also predicts quicklywhen it gets so many inputs atatime.Itpredictsdifferent types of sign language at atime.