## PROJECT DESIGN PHASE

## 1PROPOSEDSOLUTION

DATE	12October2022
TEAMID	PNT2022TMID44898
PROJECTNAME	Real time communication system powered by Alforspeciallyabled
MARKS	2marks

## **PROPOSEDSOLUTION:**

S.NO	PARAMETERS	DESCRIPTION
1.	Problem Statements (Problem	Coiningtheterm"specially-
	tobesaved)	abled'toreplace"disabled'wasperhapsthemostsign
		ificantpositivesteptowardscreatinganinclusivewo
		rkplace. Not only did it help in breaking
		theshackles of incapacity and low self-esteem,
		but
		italsoreinforcedafeelingofempathyintheecosyste
		m that has proved to be invaluable
		indownplaying the stigma attached to a
		disabledperson. You will now find people
		welcoming thespecially-abled to the workplace,
		helping
		themadjusttotheirworkenvironmentandtreating
		themat parwith othermembersoftheteam.
2.	Idea/Solutiondescription	Wearemakinguseofaconvolutionneuralnetworkt
		ocreateamodelthatistrainedondifferent hand
		gestures. An app is built whichuses this model.
		This app enables deaf and dumbpeople to
		convey their information using
		signswhichgetconvertedtohuman-understandable
		languageandspeech isgiven asoutput.

3.	Novelty/Uniqueness	Creatingnewtoolscouldhelpintegrateasegmentof ourpopulationthathasoftenbeenleftoutofroutineda ilylifeactivitiesandjobopportunities. Theunemplo ymentrateistwiceashighfor Americans with disabili ties, according to the Bureau of Labor Statistics. Worldwide, onlyonein 10 people who could use assistive product shave access to them. Disabilities, whether related
		tovision,hearing,mentalhealth,learning,cognition, ormobility,canbepermanent,temporary, or even situational. Designing newproductswithdifferentlevelsofabilitiesinmind—aconceptcalledinclusivedesign—has gonealongwayinensuringthattechnologyworksfor everyone.
4.	Social impact/ CustomerSatisfaction	Communicating withothersandbeing connected. D epending on the type of disability and profile, communicating with others can be achallenge. The same holds true for staying connected to others in a world that's more and more digitized with the growing importance of social media and our dependence to the Internet. But technology and AI leave no one behind and can be at the service of people with disabilities. Al oto fapps use artificial intelligence to favoraccessibility.
5.	Business model(Revenuemodel)	<ul> <li>ableto getaccurateresults</li> <li>easyto useforspeciallyabled</li> <li>speciallyabledpersoncanusethisfeatureby theirown</li> <li>lowcost</li> </ul>
6.	Scalabilityofthesolution	<ul> <li>Thismodelensuresthesafetyandaccuracyofs pecially abled</li> <li>speciallyabledpersonsandtheirfamilyne ednotto worry about theirfuture</li> </ul>