PROJECT DESIGN PHASE 1PROPOSEDSOLUTION

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

PROPOSEDSOLUTION:

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| S.NO | PARAMETERS | DESCRIPTION |
| 1. | Problem Statements (Problem tobesaved) | Coiningtheterm"specially-abled'toreplace"disabled'wasperhapsthemostsignificantpositivesteptowardscreatinganinclusiveworkplace. Not only did it help in breaking theshackles of incapacity and low self-esteem, but italsoreinforcedafeelingofempathyintheecosystem 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 | Wearemakinguseofaconvolutionneuralnetworktocreateamodelthatistrainedondifferent 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. |

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| 3. | Novelty/Uniqueness | Creatingnewtoolscouldhelpintegrateasegmentofourpopulationthathasoftenbeenleftoutofroutinedailylifeactivitiesandjobopportunities.TheunemploymentrateistwiceashighforAmericanswithdisabilities,accordingtothe Bureau of Labor Statistics. Worldwide, onlyonein10peoplewhocoulduseassistiveproductshaveaccesstothem.Disabilities,whetherrelated |
|  |  | tovision,hearing,mentalhealth,learning,cognition,ormobility,canbepermanent,temporary, or even situational. Designing newproductswithdifferentlevelsofabilitiesinmind—aconceptcalledinclusivedesign—has  gonealongwayinensuringthattechnologyworksforeveryone. |
| 4. | Social impact/ CustomerSatisfaction | Communicatingwithothersandbeingconnected.Dependingonthe type of disabilityand profile, communicating with others can be achallenge.Thesameholdstrueforstayingconnected to others in a world that’s more andmore digitized with the growing importance ofsocial media and our dependence to the Internet.But technology and AI leave no one behind andcanbeattheserviceofpeoplewithdisabilities.Alotofappsuseartificialintelligencetofavoraccessibility. |
| 5. | Business model(Revenuemodel) | * ableto getaccurateresults * easyto useforspeciallyabled * speciallyabledpersoncanusethisfeatureby theirown * lowcost |
| 6. | Scalabilityofthesolution | * Thismodelensuresthesafetyandaccuracyofspecially abled * speciallyabledpersonsandtheirfamilyneednotto worry about theirfuture |