PROJECT DESIGN PHASE -I PROPOSED SOLUTION

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| **DATE** | 01/10/2022 |
| **TEAM-ID** | PNT2022TMID34283 |
| **PROJECT NAME** | Real-Time Communication System Powered by AI for Specially Abled |
| **MARKS** | 2 |

Proposed Solution:

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| **S.NO** | **PARAMETER** | **DESCRIPTION** |
| **1.** | Problem Statement (Problem to be solved) | * Communication between deaf and dumb people to normal person is very challenging task. * It is too hard for dumb person to convey their message to others. |
| **2.** | Idea/ Solution Description | * An application that converts sign language to the voice heared by normal person. * And also the speech converted to sign language which understand by deaf and dumb people. * Our app is made & trained using Convolution Neural Network(CNN). |
| **3.** | Novelty/ Uniqueness | * The speech is converted to sign language very accurate to provide greater and faster understanding to specially abled people. * This was the feature which is not mostly available currently most of them concentrating on sign language to speech. |

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| **4.** | Social Impact / Customer Satisfaction | * The user interface is convenient and simple for both the people. * It leads to improvement in technology in the society. * The discussion between both the people will be easy and boosted up. |
| **5.** | Business Model (Revenue Model) | * Our application will be advertised in social media so that the specially abled people who are in need of these kind of facility will buy. * We can also offer coupon code to first few subscription so that more people can use our application. * It will generate revenue & by giving prime subscription users can get additional facilities than normal users. |
| **6.** | Scalability of the Solution | * It will be very user friendly. * The performance of application will be great if more people use it at a time. * It will handle the backend of application and database & servers perfectly. * So our solution is scalable in nature. |