# Project Design Phase-I
# Proposed Solution Template

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| Date | 24 September 2022 |
| Team ID | PNT2022TMID37811 |
| Project Name | Real - Time Communication System Powered by AI for Specially Abled |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | Communication between deaf-mute and a normal person has always been a challenging task.It is very difficult for mute people to convey their message to normal people in emergency times as well as in normal times. |
| 2. | Idea / Solution description | 1. Voice Conversion System with Hand Gesture Recognition and translation will be very useful to have a proper conversation between a normal person and an impaired person in any language.<br>2. To design and implement a system using artificial intelligence, image processing and data mining concepts to take input as hand gestures. |
| 3. | Novelty / Uniqueness | We are using a convolution neural network to create a model that is trained on different hand gestures and an app is built for the use of this mode.<br>1. Artificial Intelligence developed the app called GnoSys that uses neural networks and computer vision.<br>2. It recognizes the video of sign language speaker and then smart algorithms translate it into speech. |
| 4. | Social Impact / Customer Satisfaction | 1. The main purpose of this application is to make deaf-mute people feel independent and more confident.<br>2. About two thirds of people with a mobility and dexterity disability are most likely to experience a great deal of difficulty with everyday activities. |
| 5. | Business Model (Revenue Model) | 1. AI can generate revenue through direct customers and collaborate with health care sector and generate revenue from their customers.<br>2. B2B setting uses to employ deaf and mute employees can use to convey messages according to the company. |

| 6. | Scalability of the Solution | 1. Enhance people with disabilities to step into a world where their are facing difficulties in communication.<br>2. AI technology helps disabled people to open up new opportunities for accessibility inclusion in society and independent living.<br>3. It might open the door to more cutting edge and creative approaches to the most difficult problems facing disadvantaged People. |
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