Project Design

Phase-I ProposeSolution

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| **Date** | 27 September 2022 |
| **Team ID** | PNT2022TMID23730 |
| **Project Name** | Real-Time Communication System Powered by  AI for Specially Abled |
| **Maximum Marks** | 2 Marks |

**Proposed Solution:**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Communication between deaf & dumb and normal people is found difficult enough.  Because deaf/dumb communicate only through sign language which they know like the back of their hand. But normal people do not have much knowledge in sign language. |
| 2. | Idea / Solution description | A conversation engine for deaf and dumb. |
| 3. | Novelty / Uniqueness | The engine uses CNN of AI to analyze the images of the person who is using sign language and convert them into voice/text. |
| 4. | Social Impact / Customer Satisfaction | Deaf & Dumb finds it easy to communicate  freely and the change it made in their life comparing to their past. |
| 5. | Business Model (Revenue Model) | There is no country in the world without deaf &  dumb. So it is easy to get revenue from it just with word of mouth. |
| 6. | Scalability of the Solution | It also adds a feature to add new signs and their  corresponding meanings and made it available to all other users using ‘Update’ feature. |