Project Design Phase-I Proposed Solution Template

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| **Date** | 19 October 2022 |
| **Team ID** | PNT2022TMID43796 |
| **Project Name** | Real-Time Communication System Powered by AI for Specially Abled |

Proposed solution:

The motive of our application is to make deaf-dumb people communicate easily with the people by the help of real-time system.

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| **S.No** | **Parameter** | **Description** |
| 1 | Problem statement(problem to be solved) | * To solve the issues of deaf-dumb people to communicate with the people to make them feel confident |
| 2 | Idea / Solution description | * Converting sign language into voice and text in the desired language (two-way communication) using Convolutional Neural Network technology. |
| 3 | Novelty / Uniqueness | * Upgrading our solution by implementing an alert system using Big Panda algorithm for improvement |
| 4 | Social Impact / Customer Satisfaction | * To reduce the risk of losing their lives. * It increases the scope for career development. * It will smash all the barriers and will help to enhance their skills in a positive manner. |
| 5 | Business Model (financial Benefit) | * We will collaborate with multi deaf-dumb organizations to outspread the application. * Here we give most of the basic features at free cost but they have to pay if they need more advanced features. |
| 6 | Scalability of Solution | * It has very less complexity for the user * Encoding the errors and decoding with better accuracy. |