

**Project Design Phase-I**  
**Proposed Solution Template**

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| <b>Date</b>          | 10 October 2022  |
| <b>Team ID</b>       | PNT2022TMID18087   |
| <b>Project Name</b>  | Real-Time Communication System Powered by AI for Specially-Abled |
| <b>Maximum Marks</b> | 2 Marks  |

**Proposed solution:**

The Aim of our solution is to establish communication between the deaf-dumb and normal people to bring betterment for the society.

| S.No | Parameter                                | Description  |
|------|--|--|
| 1.   | Problem Statement (Problem to be solved) | <ul style="list-style-type: none"><li>The main objective is to build a communication system which enables communication between a speech-hearing impaired and a normal person.</li></ul>   |
| 2.   | Idea / Solution description              | <ul style="list-style-type: none"><li>Converting sign language into voice and text in the desired language (two-way communication) using Convolutional Neural Network technology.</li></ul>  |
| 3.   | Novelty / Uniqueness                     | <ul style="list-style-type: none"><li>Deploying and improving our solution to provide faster response in Desired language.</li></ul>   |
| 4.   | Social Impact / Customer Satisfaction    | <ul style="list-style-type: none"><li>Improves the Communication between Normal People and Deaf-Dumb.</li><li>It increases the scope for career development.</li><li>It will shatter all the barriers and will help to enhance their skills in a positive manner</li></ul> |
| 5.   | Business Model (Revenue Model)           | <ul style="list-style-type: none"><li>We will provide campaign awareness about the need of our application.</li><li>The application will be made available to more recipients, which will accelerate growth.</li></ul>   |
| 6.   | Scalability of the Solution              | <ul style="list-style-type: none"><li>The user will find it very simple to use and update.</li><li>Encoding the errors and decoding with better accuracy.</li></ul>  |