

Project Design Phase-I
Proposed Solution Template

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID26243 |
| Project Name | Real-Time Communication System Powered By AI For Specially Abled |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

| S.No. | Parameter | Description |
|-------|--|--|
| 1. | Problem Statement (Problem to be solved) | People who are deaf or have cognitive disabilities find it difficult to communicate with others. To solve the problems of deaf-dumb people in order to communicate with others and make them feel confident. |
| 2. | Idea / Solution description | Using Machine Learning Algorithm , sign language is converted into voice and text in the desired language with two-way communication. |
| 3. | Novelty / Uniqueness | Enhancing our solution by implementing an alert system in the desired language. |
| 4. | Social Impact / Customer Satisfaction | Improves the communication between deaf & dumb with normal people , so they live independently. Increases the scope of Life skill development |
| 5. | Business Model (Revenue Model) | As many Specially Abled people need of effective interface for their communication , by implementing latest ML algorithm for converting sign to voice & text and voice to sign gives good outcome. |
| 6. | Scalability of the Solution | As Machine Learning algorithm Is used for this implementation, Scalability is easily achieved. |