**Project Design Phase-I**

**Proposed Solution Template**

|  |  |
| --- | --- |
| Date | 10 November 2022 |
| Team ID | PNT2022TMID21004 |
| Project Name | Project – Real time communication system powered by AI for specially abled. |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * To develop a solution that converts the gestures into a human hearing voice in a respective language to convey a message to ordinary people, and also it converts our voice into recognizable sign language for the deaf and dumb people. |
|  | Idea / Solution description | * Communication between deaf and dumb and a normal person has always been a difficult problem. * We have used convolution neural network to create a model that is trained with different hand gestures. * An is integrated with this .This app enables deaf and dumb people to convey their information using signs/ gestures which get converted to human-recognizable language and voice is given as output. |
| * x | Novelty / Uniqueness | * Much cost is not involved. * It is unique because speech can be converted to text is easy but gestures to voice is something unique. |
|  | Social Impact / Customer Satisfaction | * It act as a great solution for many deaf and dumb people . * Even a specially abled person can act like a normal person. |
|  | Business Model (Revenue Model) | .   * As it is used by many differently abled persons it can increase revenue drastically. |
|  | Scalability of the Solution | * Mainly made available for many specially abled people. * Code can be updated as per requirement in future. |