**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID37965 |
| Project Name | Project – 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.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Real Time Communication System Powered By AI For Specially Abled |
|  | Idea / Solution description | The project aims to develop an **AI** model that converts sign language into a speech that can be understood by normal people. It is very difficult for mute people to convey their message to normal people. Since normal people are not trained on hand sign language. In emergency times conveying their message is very difficult. |
|  | Novelty / Uniqueness | communication between specially abled people and normal people using AI |
|  | Social Impact / Customer Satisfaction | Communications between deaf-mute and a normal person has always been a challenging task.The human hand has remained a popular choice to convey information in situations where other forms like speech cannot be used**.** |
|  | Business Model (Revenue Model) | Can generate revenue from direct customers, like normal people |
|  | Scalability of the Solution | Making use of a convolution neural network to create a model that is trained on different hand gestures.This app enables deaf and dumb people to convey their information using signs which get converted to human-understandable language and speech. |