

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

Date	22 nd October 2022
Team ID	PNT2022TMID22164
Project Name	Artificial Intelligence (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)	Communications between deaf-mute and a normal person has always been a challenging task. It is very difficult for mute people to convey their message to normal people. Since normal people are not trained on hand sign language.
2.	Idea / Solution description	So we are making use of a convolution neural network to create a model that is trained on different hand gestures. Feature is built which uses this model.
3.	Novelty / Uniqueness	So the feature enables deaf and dumb people to convey their information using signs which get converted to human-understandable language and speech is given as output.
4.	Social Impact / Customer Satisfaction	In emergency times(situations) conveying their message is very difficult. The human hand has remained a popular choice to convey information in situations where other forms like speech cannot be used. So voice Conversion System with Hand Gesture Recognition and translation will be useful to have a proper conversation between a normal person and an impaired person in any language.
5.	Business Model (Revenue Model)	Cost,product as service (model),financial viability ,offering.
6.	Scalability of the Solution	The technology is developing day by day but some significant developments are also undertaken for the betterment of these people.