

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

Date	25 September 2022
Team ID	PNT2022TMID30994
Project Name	Real-Time Communication System Powered By AI for Disabled
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)	It is making use of a convolution neural network to create a model that is trained on different hand gestures. An app is built which uses this model. This app enables deaf and dumb people to convey their information using signs which get converted to human-understandable language and speech is given as output.
2.	Idea / Solution description	A real time ML based system is built for the real time sign language detection with a Tensor Flow object
3.	Novelty / Uniqueness	This model using SSD ML algorithm recognizing the signs as words instead of old traditional translators, that are very slow and take too much since every alphabet as to be recognized to form the whole statement in old methods
4.	Social Impact / Customer Satisfaction	It drastically reduce communication difference gap between normal people and specially abled people with the help of AI. So they can live their life independently.
5.	Business Model (Revenue Model)	We use freemium business revenue model for making revenue. In our device, we give most of the basic features for free of charge but they have to pay if they need more advanced feature
6.	Scalability of the Solution	The model which is Tensor Flow model that has been used can be replaced with another model as well. The same system can be implemented for different sign languages by substituting the dataset