

## Project Design Phase-I

### Proposed Solution Template

Date	30 September 2022
Project Name	Project - <b>Real-Time Communication System Powered by AI for Specially Abled</b>
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)	The venture means to foster a framework that changes over the communication via gestures into a human hearing voice in the wanted language as well as to change over discourse into justifiable communication through signing for the hard of hearing and unable to speak. A convolution brain network is utilized to make a model that will be prepared on various hand signals. A web application to utilize the model will be constructed.
2.	Idea / Solution description	The thought is to foster a framework that changes over the sign language into a human hearing voice in the ideal language to pass a message on to typical individuals, as well as convert discourse into justifiable sign language for the almost totally senseless. We are making use of a convolution brain organization to make a model that is prepared on various hand signals. An application is constructed which utilizes this model. This application empowers hard of hearing and moronic individuals to pass on their data utilizing signs which get changed over completely to human-reasonable language and discourse is given as result.

3.	Novelty/ Uniqueness	<ul style="list-style-type: none"> <li>➤ Two-way communication.</li> <li>➤ An application with embedded features: <ul style="list-style-type: none"> <li>○ Translation into various languages.</li> <li>○ Suggestion mechanism based on the history of translations.</li> <li>○ In-built emergency options.</li> </ul> </li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>➤ Understanding specially-abled people in a better way.</li> <li>➤ Equal opportunities</li> <li>➤ Break the social barrier</li> </ul>
5.	Business Model (Revenue Model)	Relatively few models of this sort are accessible in the society, so instructing individuals about the purposes and innovation of this model will unquestionably make a gigantic market for this item. This should be possible through mass correspondence and commercials. Rather than advancing it in business perspective, advancing it in a help perspective will grow its compass.
6.	Scalability of the Solution	In the event that an essential model of this arrangement is made, extending it, needs some negligible labor with adequate information in regards to this. So, with the increase in its interest, we can scale its creation serenely.