

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

Date	21 OCTOBER 2022
Team ID	PNT2022TMID34388
Project Name	Real Time Communication System Powered by AI for Specially abled

**Proposed Solution Template:**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<b>To Develop a model which is very useful to communicate to normal people by using hand signal and gestures.</b>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>• <b>Using CNN model of image recognition to identify the accurate hand gestures</b></li><li>• <b>A quick result of voice and text after the gestures get identified</b></li></ul>
3.	Novelty / Uniqueness	<b>Image to sound detection is the uniqueness of this project. After analysing the hand signals the gesture get identified and provides a sound</b>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>• Disabled people experience a great deal of difficulty with day-to-day activities</li><li>• Normal people who not able to communicate with disabled peoples can now easily get communicate with them. It will be the great impact and provide a satisfaction</li></ul>
5.	Business Model (Revenue Model)	<ol style="list-style-type: none"><li>1. A person who needs this model can afford at low price and this provide a income.</li><li>2. This advanced technology make life easier and will get great demand in market of technology.</li></ol>
6.	Scalability of the Solution	Depth, Width and Resolution were scaled in CNN. This model will be working under even low light conditions. Even a Child with basic knowledge can use this app.