

## Ideation Phase

### Define the Problem Statements

Date	12-11- 2022
Team ID	PNT2022TMID37625
Project Name	Real time communication system powered by AI for specially abled

#### PROBLEM STATEMENT – I



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
<b>PROBLEM STATEMENT - I</b>	Normal user	Interact with deafmuted person via speech to sign converter	Couldn't find matching signs for this regional phrases	Lack of input resources	frustrated

#### PROBLEM STATEMENT – II



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
<b>PROBLEM STATEMENT - II</b>	Deaf-Muted user	Convey my thoughts to hearing abled person via sign language translator	thoughts not conveyed effectively	Facial expression & gestures not tracked	disappointed

The project aims to develop a system that converts the sign language into a human hearing voice in the desired language as well as to convert speech into understandable sign language for the deaf and dumb. A convolution neural network is used to create a model that will be trained on different hand gestures.