Ideation Phase
Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID03485
Project Name	Real time communication system powered by AI for specially abled
Maximum Marks	2 Marks

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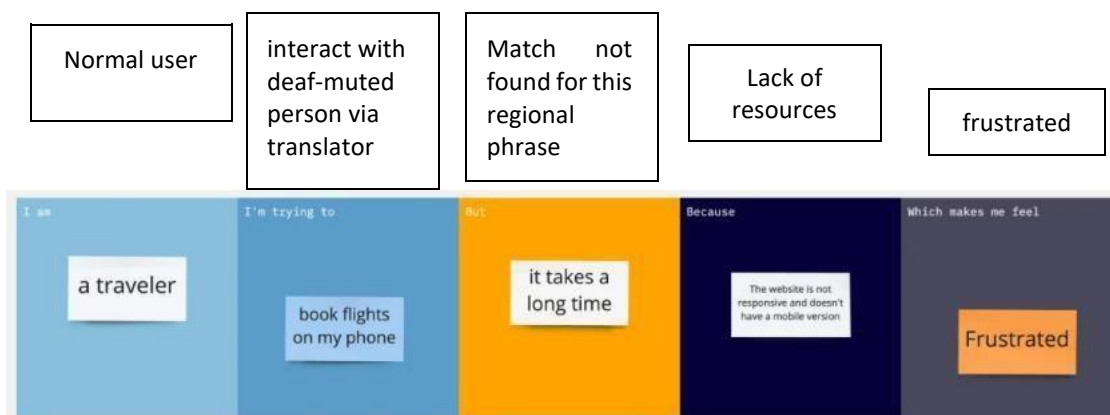
Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PROBLEM STATEMENT - I	Normal user	Interact with deafmuted person via speech to sign converter	Couldn't find matching signs for this regional phrases	Lack of input resources	frustrated

PROBLEM STATEMENT – II

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PROBLEM STATEMENT - II	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.