REAL-TIME COMMUNICATION SYSTEM FOR THE SPECIALLY ABLED

LIST OF PROBLEM STATEMENTS

1. **The end user** needs **an active internet connection** so that **he can use the translation software without any hassle.**

2. **The user** requires **familiarity with the target sign language (ASL/BSL/Australian Sign Language)** in order to **facilitate communication with his/her partner.**

3. **The disabled user** needs **an integrated webcam** so that **he/she can capture an image of the sign language.**

4. **The deaf/dumb user** requires a way to **upload an image from the local file system** to **obtain the corresponding voice output.**

5. **The normal user** requires **a web interface** with a text box to **enter the input to be translated.**

6. **The client** needs a way to **detect the edges in an image** so that **the image can be analyzed further.**

7. **The customer** needs **sufficient knowledge of supervised machine learning techniques** so that **he can understand how the various signs are grouped.**

8. **The disabled client** requires **an image viewing software** in order to **display the sign language result.**

9. **The end user** needs a **text-to-speech (TTS) conversion tool** so that **the text output can be converted to speech.**

10. **The normal user** needs a speaker device so that **the translated output can be played.**