### **Real-Time Communication System Powered by AI For the Specially Abled**

**Problems Faced**:

* Only specially abled people are taught sign language and the common person is unaware its working causing a communication gap.
* Under emergency situations, it is even more difficult for specially abled people to get help.
* Non-Emergency normal environments can also be hard for them to navigate needing special assistance.

**Our solution:**

* To build a system which converts sign language to speech and vice versa.
* Make Use of various CNN models such as Inception and RNN to learn the conversion.
* Convert various sign languages such as ASL and ISL.
* Enable multi language conversion such as Tamil and Hindi.
* Host in cloud to enable running on low cost mobile phones with low processing power.

Workflow:

