REAL TIME SIGN LANGUAGE INTERPRETER

Presented to: Dr. Haytham Azmi
Presented by:

Khaled Medhat Mahmoud   18P3557
Mohammed Sayed Awwad   18P7298
Mahmoud Morad Youssef   18P6555
Mohamed Magdy Mostafa   18P5160
Yomna Hussein Mohamed   18P5794

Project Specifications

Since everyday life became online, work, university, games, disabled people haven't been having the best experience in terms of convenience in the ability to communicate whether it be in the workplace or with their loved ones.

So, we're thinking of a real time sign language interpreter that works through the webcam used in the meeting, it recognizes the sign language and translates it to text to the other side with the ability to have Text-to-speech enabled by preference.

Features

1- Sign language translated to text from one side to the other.

2- Translated text from sign language to speech conversion

3- Speech to text conversion

Milestones

1- Feasibility study

2- Information gathering (study/courses)

3- Data collection

4- Implementation

5- Testing

Deliverables

A working web/mobile app that allows video calls between two or more people.