

# SMART GLOVES

Bridging the Silence: for Deaf-  
Mute Communication





# Problem Statement

Communication challenges faced by deaf-mute individuals in society ex : students into schools and universities

Lack of effective tools for integrating deaf-mute

The importance of a bidirectional solution (gestures → speech, speech → gestures)





# SOLUTION

IoT-powered gloves that convert hand movements into spoken words and vice versa.

Real-time translation, adaptation to multiple languages, universal accessibility.

Key players include Intuitive Surgical, Medtronic, and Johnson & Johnson.

The product will be integrated with clothing brands, making it not just a technological tool but also a fashion statement, increasing its usability and desirability like a clothing brand



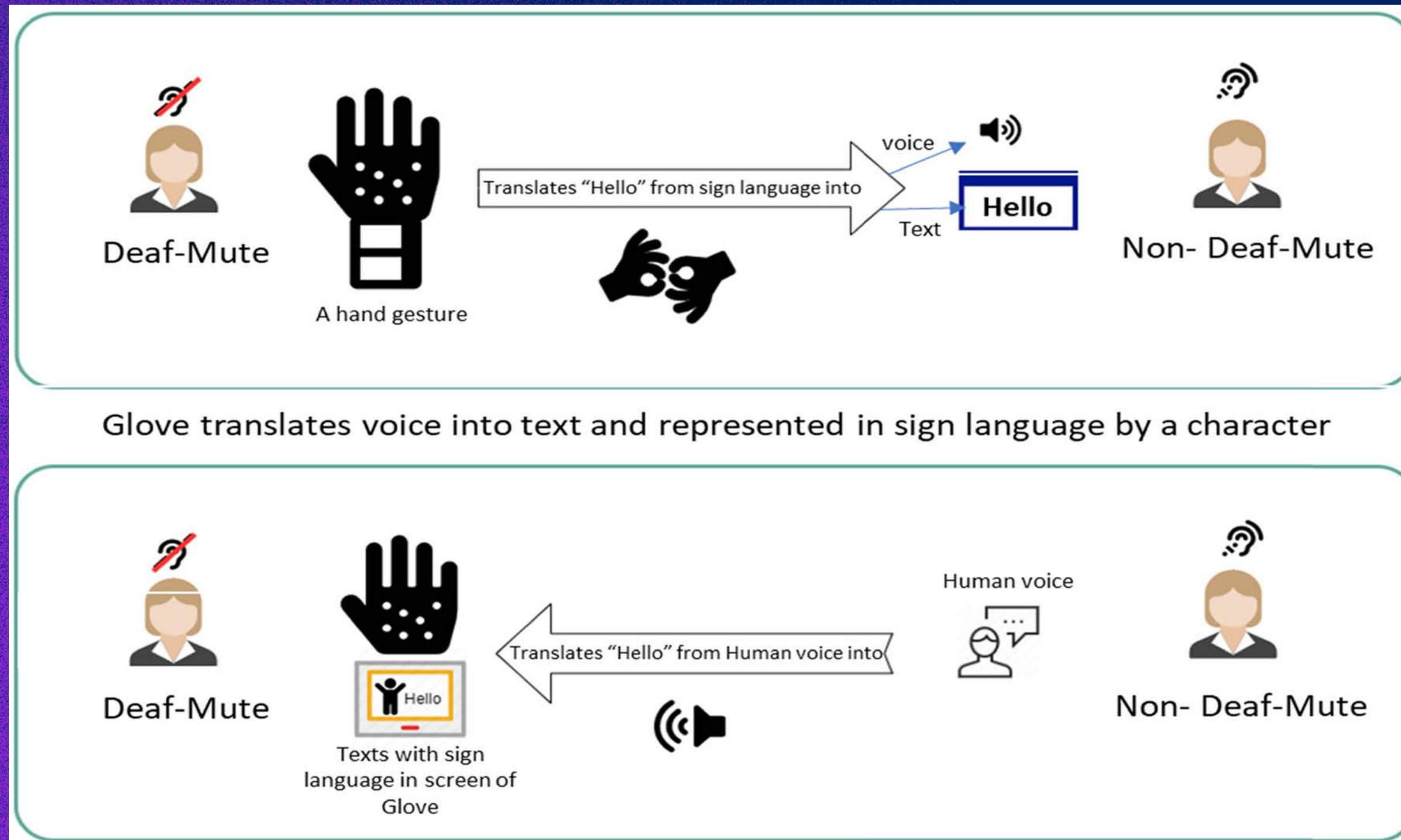


# Technical Overview

1. The gloves are equipped with flex sensors and accelerometers that detect hand movements and finger positions .
2. **Speech to Gesture:** A built-in microphone detects spoken words and converts them into text within the glove's system. The processed text is then displayed as corresponding sign language gestures on a small LCD screen located on the top of the gloves .
3. The gloves communicate via Bluetooth or Wi-Fi with a companion app or external devices for additional functionality.



# Technical Overview





# USE CASES



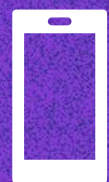
Deaf-mute students use the gloves in classrooms to communicate with teachers and classmates in real-time



Users can interact seamlessly in social settings, stores, and public transportation



Patients can communicate efficiently with doctors and nurses in hospitals



Compatible with smartphones and IoT devices for seamless interaction and data storage.



# Market Overview

- ✓ Global number of deaf-mute individuals
- ✓ Market for accessibility and inclusive technologies
- ✓ Partnership opportunities with schools, institutions, associations, and businesses



# Business Model & Monetization

1. Direct sales to individuals and institutions
2. Subscription-based companion app for updates and new languages.
3. Partnerships with schools, hospitals, and governments.





# Roadmap

Prototype  
Completion  
(Current Stage)

Partner with  
electronic hardware  
manufacturers for  
scalable production

Small-scale  
production for beta  
testing with early  
adopters

Work with clothing  
brands to design and  
integrate gloves into  
fashionable wear

Work with clothing  
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Launch and scale  
distribution to markets  
with continuous  
software updates



# TEAM



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# THANK YOU

Let's Connect



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