**Project Title: Real-Time Communication System Powered by AI for Specially Abled Project Design Phase-I - Solution Fit Template Team ID: PNT2022TMID50449**

1. **CUSTOMER SEGMENT(S)**

**Explore AS, differentiate**

**CS 6. CUSTOMER CONSTRAINTS**

**CC 5. AVAILABLE SOLUTIONS AS**

Physically albed and disabled people

**Deﬁne CS, ﬁt into CC**

Network connection,device availability,webcam availability.

Physically disabled people had to write to communicate with the abled people.

Pros : people can easily understand what is written.

Cons : If the physically disabled people have lot to communicate they have to write a lot.

1. **JOBS-TO-BE-DONE / PROBLEMS**

**Focus on J&P, tap into BE, understand RC**

For physically disabled people to communicate with physically abled people sign language will be converted to text/voice.

**J&P**

**9. PROBLEM ROOT CAUSE RC**

Physically disabled people cannot communicate with physically abled people without sign language

1. **BEHAVIOUR BE**

Physically disabled people have to upload the sign language inforamtion as pictures/video

**Focus on J&P, tap into BE, understand RC**

For physically abled people to communicate with physically disabled people text will be converted to sign language.

To make communication easy for physically disabled people.

Physically abled people have to type or add voice note to convert it into sign language

**3. TRIGGERS**

when a physically disabled person have to

**Identify strong TR & EM**

**TR 10. YOUR SOLUTION SL**

The project aims to develop a system that converts

1. **CHANNELS of BEHAVIOUR CH**
   1. **ONLINE**

**Extract online & ofﬂine CH of BE**

communicate with a physically abled person and vice versa.

**4. EMOTIONS: BEFORE / AFTER**

lost , insecure > confident

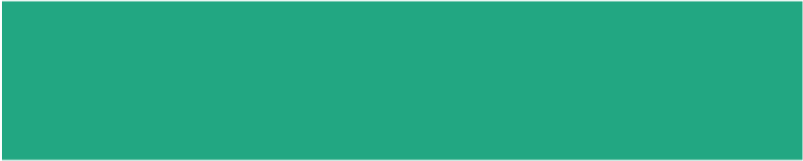
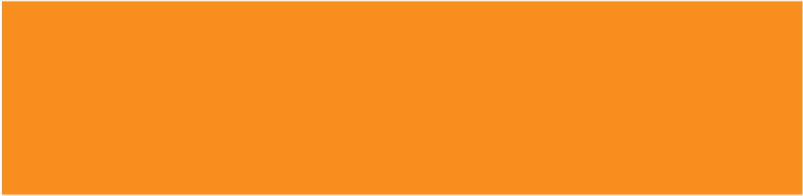
the sign language into a human hearing voice in the desired language to convey a message to normal people,as well as convert speech into understandable sign language for the deaf and dumb

# EM

Conversion of sign language to voice and vice versa.

* 1. **OFFLINE**

Replay saved voice clips or pictures



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