

# Project Title: Real-Time Communication System Powered by AI for Specially Abled

Project Design Phase-I – Problem Solution Fit

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<div>Define CS, fit into CC</div> <div>CS</div> <div><b>1. CUSTOMER SEGMENT(S)</b><ul style="list-style-type: none"><li>Vision impairment. Deafness or hard of hearing. Mental health issues.</li><li>Intellectual handicap.</li><li>Traumatic brain injury.</li><li>Autism is a spectrum disorder.</li><li>Physical impairments</li></ul></div>	<div>CC</div> <div><b>6. CUSTOMER CONSTRAINTS</b><ul style="list-style-type: none"><li>Disabled people have the inherent right to be treated with dignity.</li><li>they have the same civil and political rights as everyone else.</li><li>Disabled people have the right to economic and social security, as well as a decent standard of living.</li></ul></div>	<div>AS</div> <div><b>5. AVAILABLE SOLUTIONS</b><p>The project aims to create a system that converts sign language into a human hearing voice in the desired language in order to convey a message to normal people, as well as a system that converts speech into understandable sign language for the deaf and dumb.</p></div> <div>Explore AS, differentiate</div>
<div>Focus on J&amp;P, tap into BE, understand RC</div> <div><b>2. JOBS-TO-BE-DONE/PROBLEMS</b><p>The primary goal of this study is to improve disabled people's communication skills.</p><p>Communication is the most difficult challenge that disabled people face.</p></div>	<div>RC</div> <div><b>9. PROBLEM ROOT CAUSE</b><ul style="list-style-type: none"><li>Natural disasters Household accidents</li><li>Respiratory disorders Metabolic disorders (diabetes, kidney failure, etc.)</li><li>Accidents and illnesses at work</li></ul></div>	<div>BE</div> <div><b>7. BEHAVIOUR</b><ul style="list-style-type: none"><li>Inclusive design takes into account the needs of all users throughout the development of a product or service.</li><li>Specially abled people are frequently forced to live in enclosures.</li></ul></div> <div>Focus on J&amp;P, tap into BE, understand RC</div>

**3. TRIGGERS**

TR

It has been suggested that specially able people require special mobility arrangements in the environment.

**4. EMOTIONS: BEFORE / AFTER**

- Treat them as differently able, not as disabled.
- Make opportunities for yourself.

**10. YOUR SOLUTION**

- People with disabilities will benefit greatly from the ability to detect patterns in large amounts of data in order to better identify and define absolute image and text by experiencing the process and imaging the method.
- This technology can be fulfilled by a smart phone connected to the internet.

SL

**8.CHANNELS of BEHAVIOUR**

Technology advances on a daily basis, but no significant advances are made to benefit these people.