

## Submission Details

Grade: 15 / 15

### Discussion 4.1: Engineering Design Process

JAMES DANIEL VERANO submitted Sep 19 at 11:13pm

The submissions for this assignment are posts in the assignment's discussion. Below are the discussion posts for JAMES DANIEL VERANO, or you can [view the full discussion](#).

from [Discussion 4.1: Engineering Design Process](#)

Sep 19, 2025 11:13PM



=> First is, we will have to identify what are the needs & constraints of people in which we can be of great help in the society on bringing innovative solutions to people who are having difficulties in fitting into the society or struggling in living a daily life.

=> In this part of the design thinking process, given that we have identified the needs & constraints of the people we have interviewed in terms of developing a solution to be a great help to a lot of people, we will be proceeding wherein we will be researching the problem on where the needs & constraint were mostly related in. Which was to bridge the gap, or eliminate barriers between sign language and those who speak with words.

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=> Identify how we can help deaf-mute people in terms of communicating with other people who actually can speak with words. Thus, we need to develop multiple possible solutions where we can create a type of a prototype that will help people who have speech disabilities in a way that is convenient.

Such examples of possible solutions are:

- Sign language automatic communicator - Where we can display a sign language communicating process or machine to help them communicate.

- machine that converts Sign language to Language converter - converts sign language to languages that people can understand given that some people lack knowledge on sign languages.