# SWE3999 - Technical Answers for Real World Problems

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## LITERATURE REVIEW

| Author | Paper Title | Journal and Published Year | Description | Limitations |
|---|---|---|---|---|
| Neha Poddar, Shrushti Rao, Shruti Sawant, Vrushali Somavanshi | Study of Sign Language Translation using Gesture Recognition | IJARCCE ,2015 | This project is a small step towards helping physically challenged people and a lot more can be done to make the product more sophisticated, user friendly & efficient. Using more memory and powerful microprocessors, more languages can be covered. This project can be modified to make it | It does not check for tenses and syntax |

| | | | compatible with mobile phones. We can increase the range of products by using more powerful trans-receiver modules. | |
|---|---|---|---|---|
| Pawan Kumar, Savita Khatri | Generating Indian Sign Language Text Using English/Hindi Text | IJRRA,2016 | In this paper, they have compared the existing models for the conversion of plain English/Hindi Text into the Indian Sign Language Text. Most of the systems which have been developed so far are meant to work only for a single domain. A unified system is needed for the deaf-mute community to help them interact with the normal people in their day to day lives. | System is limited to minimal gestures. |
| Ankita Harkude, Sarika Namade, Shefali Patil, Anita Morey | Audio to Sign Language Translation for Deaf People | IJEIT,2020 | In this paper, they have implemented translation from input audio to sign language. It translates each and every letter in the audio message and it | It didn't focus on facial expressions though it is well known |

| | | | displays each sign language letter. But it is not efficient for future purposes. | that facial expressions convey important part of sign language |
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**Our project is different from literature survey is:**

- We are trying to provide a great User Interface for users to use the system easily.
- We will make sure to focus and check on tenses and syntax from the input.
- We will try to display the output in MP4 format.
- We will try to develop our system with unlimited resources