

Product: Google Translate (Online)

Date: June 29, 2024

Tester: K.H. Pawani Nishadi

Objective: Evaluate the functionality, accuracy, and usability of Google Translate for translating sentences and words between two languages.

Scope:

- Text translation between various languages (English, Sinhala, Spanish)
- Functionality of features like document translation, language detection, and voice input/output

Test Cases Executed:

- **Accuracy:** Translated various sentences and phrases across different language pairs, comparing the output with human translations and reliable dictionaries.
- **Functionality:** Tested features like document upload, language detection, voice input/output, and text-to-speech functionality.
- **Usability:** Evaluated the user interface, ease of use, and overall user experience for different functionalities.

Results:

- **Accuracy:** Google Translate performed well with common phrases and sentences in major languages. Accuracy decreased slightly for less common phrases, idioms, and complex sentence structures.
- **Functionality:** All functionalities tested worked as expected. Document translation handled various file formats effectively. Language detection was accurate for most languages. Voice input/output worked well, but pronunciation clarity might vary depending on the language. Text-to-speech offered a good experience for listening to translated text.
- **Usability:** The user interface was clean, intuitive, and easy to navigate. Features were readily accessible with clear instructions.

Overall:

Google Translate is a valuable tool for basic and general translations. It offers a user-friendly experience with a wide range of features. However, for critical translations involving complex language, human expertise or specialized translation tools might be necessary.

Recommendations:

- Continue to improve translation accuracy, especially for less common languages and complex sentence structures.
- Enhance voice input/output functionality to improve pronunciation clarity across languages.
- Consider offering a confidence score for translations to indicate the likelihood of accuracy.