

Title: English-Cebuano Context-Based Machine Translation System

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ABSTRACT

Since, the diverse population on the web needs to interact with other nationalities. Through this translation software communication had become much easier and great for others who barely understand each other. This software would not only be used merely as a tool for communication but also becomes a study material.

In developing the software, the researchers used the Microsoft Visual Studio as the IDE; Visual Basic as front end and XAMP as backend. The researchers prefer using the Microsoft Visual Studio's Visual Basic since the researchers are accustomed to its development environment. The researchers have also chosen XAMP since it is much lighter (in terms of space and mobility) and easy to use. Based on what the researchers' study the software came up with satisfying results of translating from English language to Cebuano language. It displays the translations based on the synonyms of the translated words provided by the database. Since, translating more than one sentence will take the system to lag in few seconds. Results vary from the data found in the database, though the results were good and satisfying. Translating words to your expected result may not be as good in due to grammatical error.

Keywords: Machine Translation, Corpus-Based Machine Translation, Context-Based Machine Translation