Abstract

In this paper, it is described how an Assamese sentence is translated to English using statistical machine translation. Statistical Machine Translation is the paradigm where translations from source to target language are based on statistical models. Moses is used as a platform for Statistical Machine Translation. GIZA++ is also used for word-alignment and IRSTLM for language model training. A Transliteration model is also integrated into the system to deal with out of vocabulary (OOV) words.

References

- Marian Olteanu et al, “Phramer: Open Source Statistical Phrase-Based Translator”, In the Proceedings of the Workshop of Statistical Machine Translation, June
2006, pp. 146-149.
- "PSMT"; Available: http://psmt.sourceforge.net/

**Index Terms**

Computer Science  
Artificial Intelligence

**Keywords**

Assamese  
English  
Statistical Machine Translation  
Transliteration  
Corpus.