EXAMPLE BASED ENGLISH-HINDI-ENGLISH TRANSLITERATION

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Abstract

Transliteration of proper names is generally recognized as a significant result in many multi-lingual text and speech processing applications. Most of the time, there are out of vocabulary words like named entities and technical terms in cross language information retrieval and machine translation. In this paper, we present example-based transliteration technique for both English-Hindi and Hindi-English Language. This technique uses approximate forward-backward and Viterbi approach. We apply this technique for English-Hindi / Hindi-English transliteration task. The results show that our technique performs better than the existing transliteration system.

Keywords: Cross language information retrieval, Machine Translation, Out Of Vocabulary, forward-backward and Viterbi algorithm, Example Base