Abstract

One of the important applications of Natural Language Processing is machine translation. Machine transliteration is an emerging and a very important research area in the field of machine translation. Translation systems translate message from source language to target language, keeping the exact meaning. While the transliteration system finds the same meaning word/sentence in another language, the transliteration helps us to pronounce them. This paper addresses the transliteration process from Hindi to Punjabi language using a rule based approach. Transliteration is more phonetic process, thus both source grapheme and its sound in the correct pronunciation of word have been considered for rule formation to achieve high performance and more accurate results. The system is tested on news domain text and achieved accuracy of 97%.

References


Index Terms

Computer Science  Pattern Recognition
Keywords

Machine translation  transliteration  natural language processing  transliteration rules.