Abstract

One of the important phase of Natural language Processing is Morphological Analysis that helps in work of machine translation. Effective implementation of morphological analyzer can be seen in language which is rich in morphemes. Hindi being an inflected language has capability of generating hundreds of words from the root word. It is morphologically rich language, due to wide variety of words available in Hindi. This paper is primarily concerned with the design of a morphological analyzer for Hindi language. The input to this analyzer will be a Hindi word or sentence and after doing the proper analysis it will return the root word along with its feature as output. The features will have categories like part of speech, gender, number, and person. Two approaches will be followed by analyzer-rule based and corpus based. Till now none of the developed morphological analyzers have worked for both inflectional and derivational morphemes.

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Index Terms

Computer Science

Text Processing

Keywords

Morpheme inflected root word corpus.