

MAKING OF A SANSKRIT WORD-NET

S. Mohanty, K.P. Das Adhikary, P.K. Santi and S. N. Nayak*
Department of Computer Science and Application,
Utkal University, Bhubaneswar–Orissa, India-751004
*B.J.B.College, Bhubaneswar–Orissa, India-751014
E-mail - sangham1@rediffmail.com

Abstract

Sanskrit language is the base for most of the Indian languages. It has link with foreign languages too. To study this language and also to use it for knowledge enhancement, effective Machine Translation (MT) from one language to the other is necessary for which online lexical resources are needed. Towards making such resources we have tried to develop a Word-Net for Sanskrit language using the *Navya-NyAya* (नव्यन्याय) Philosophy and Paninian grammar. The architecture of this “Sanskrit Word-Net” is described in the paper. Besides Synonymy, Antonym, Hyponymy, Homonymy and Metonymy we have also discussed on Etymology and Analogy separately as they play important roles in *Navya-NyAya* (नव्यन्याय) Philosophy which is the specialty on this Sanskrit Word-Net for a better classification of words.