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Challenges and Solution for the Web Information Retrieval

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Abstract - It has been observed from literature that the Web is an immersive collection of information in different languages . The popularity of the web is enhanced in India as time passed .The percentage of Indian native language contents on web has increased to a remarkable amount . It is evident that Hindi is used by the major population of India . But the conditions of information retrieval on the web in Hindi do not portray a positive image . The Hindi language information retrieval on the web face lot of problems . Word sense Disambiguation (WSD) and synonymy are few of them . The WSD problem can be rectified by finding the correct sense in the particular context of the key words, besides that the queries on the web can also be improved by replacing the keywords with it synonyms . Disambiguation of the keywords and the usage of synonyms improves the precision of the query results a most of the times which leads to the better information retrieval results for English language . The paper will focus on the problems associated with the Hindi language web information retrieval. It will also suggest an approach for the search engine to rectify the problem of ESD and Synonym management in Hindi language Information Retrieval (IR) on the web.