Abstract

The primary goal is to develop an NLP system to perform automatic document summarization by converting the English sentences into the expressions of an Interlingua called Universal Networking Language (UNL). UNL has been designed at the United Nations University (UNU)/Institute of Advanced Studies (IAS), Tokyo in 1990. UNL represents knowledge in the form of semantic network. The nodes represent concepts and links represent semantic relations between the concepts. Initially, the complex document is represented in UNL form by undergoing enconversion process and the document is deconverted to produce the summarized document for different levels of users thus reducing the complexity of the document and helps in understanding and decision making. The aim of this NLP system is to represent the exact meaning of the document represented in a usual language. Since UNL is a language independent meaning representation language, summarization is carried out by analyzing and filtering out the UNL Expressions. UNL is used for summarization because if the user wants the document in his own native language, he can deconvert the UNL representation and obtain the source document and the summarized document in his own language. UNL supports multilingualism and reusability. The summarized document thus produced could be understood by all level of people without changing the meaning of the original document. This paper focuses on UNL based summarization for tourism domain.
References

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Index Terms

- Computer Science
- Artificial Intelligence

Keywords

- Natural Language Processing (NLP)
- Universal Networking Language (UNL)
Deconversion

Parser