Domain Specific Ontology Creation for Marathi Language

Abstract

Ontology is one of the central areas in the field of natural language processing (NLP) and artificial intelligence. Today, millions of documents are present in Indian regional languages. To build ontology for these documents manually is time consuming and expensive task. Therefore, this paper presents a system to build an automatic ontology from the unstructured text. Since the unstructured text is widely available still it is difficult for users to find the relation between different concepts. Ontology provides a graphical representation of different concepts that are easily understandable by the user. We have limited our work to Marathi language only. The objective is to propose a system that will accept unstructured Marathi language text as input and provide ontology tree as an output.

References

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**Index Terms**

Computer Science

Pattern Recognition

**Keywords**

Ontology, k partite graph, F- measure