Abstract

The tremendous increase in the multilingual data on the internet has increased the demand for efficient retrieval of information. Urdu is one of the widely spoken and written languages of south Asia. Due to unstructured format of Urdu language information retrieval of information is a big challenge. Question Answering systems aims to retrieve point-to-point answers rather than flooding with documents. It is needed when the user gets an in depth knowledge in a particular domain. When user needs some information, it must give the relevant answer. The question-answer retrieval of ontology knowledge base provides a convenient way to obtain knowledge for use, but the natural language need to be mapped to the query statement of ontology. This paper describes a query processing system based on ontology. This system is a combination of NLP and Ontology. It makes use of ontology in several phases for efficient query processing. Our focus is on the knowledge derived from the concepts used in the ontology and the relationship between these concepts. In this paper we describe the architecture methodology and algorithm with results of query processing system for Urdu
Domain Specific Ontology based Query processing System for Urdu Language

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**Index Terms**

- Computer Science
- Artificial Intelligence
Keywords
Domain  Adjacent Keyword  Classes.