Abstract

Today is the era of "Big Data", and one has to spend ample amount of time to extract the meaningful information from such a huge store of data. It leads towards such a question answering system which can offer exact and precise answers to user queries. For that there is a requirement of understanding user queries effectively. Thus this paper proposes a cognitive computing powered question answering system in the field of education, which posses the power of Natural Language Processing (NLP). Here, cognitive computing provides the methods for synergism of several powers into a single architecture, NLP provides understanding of the user questions effectively, and Ontology endows with the techniques for the construction of robust knowledge base. So for the realistic implementation of the proposed architecture, the education domain has chosen and will be teaching electrical motor concepts to the edification of the students.

References


14. Procaci, Thiago Baesso and Siqueira, SeanWolfgang Matsui and Braz, Maria Helena Lima Baptista and Vasconcelos de Andrade, Leila Cristina (2015), How to find people who can help to answer a question? Analyses of metrics and machine learning in online communities,
Cognitive Computing based Question-Answering System for Teaching Electrical Motor Concepts


Index Terms

Computer Science Information Systems

Keywords

Question-Answering (QA) System, NLP (Natural Language Processing), Ontology, Education Domain (Basic Electrical Motor Concepts).