Ontology-Based: Intelligent Document Management System

Mahmoud Sami Abd El-Aziz Othman ,Hesham Hassan

Abstract

As more and more knowledge and information becomes available through computers in the organizations, a critical capability of systems supporting knowledge management is the classification of documents into categories that are meaningful to the user. Today, text categorization is required due to the very large amount of text documents that we have to deal with daily. A text categorization system can be used in indexing documents to assist information retrieval tasks as well as in classifying documents of any specific Domain, This paper proposes an intelligent document management system that use the ontology of a specific domain to annotate the documents for classifying it automatically. The proposed system consists of seven main parts: Ontology Extractor, Ontology Parser, Document Parser, Annotator, Indexer, Data Repository, and Categorization Engine.

Journal of Al-Azhar Univ, Eng Sector (JAUES) 2011, January

Future University In Egypt (http://www.fue.edu.eg)

Copyright É 2013 [Future University in Egypt]. All rights reserved.