Abstract

Metadata is the term of the process of identifying an attribute and structure of a data or information. Metadata as data that describes a data itself. In a web document, the metadata is helpful in determining the relevant web documents. Metadata generation can help finding relevant information. In this Final Project built an application to create metadata automatically by using the method of associative network. The associative network method used to determine connectivity between documents. There are two algor ithms used to create associative network, the occurrence and coocurrence associative network. Having determined that the documents have connectivity, then performed the metadata propagation with particle swarm algorithm for metadata shared processes from web documents that have a complete metadata to web documents whose metadata lacking or incomplete. The results of the metadata recommendation process can be done to increase the accuracy of the energy filter of the metadata recommendations. With the method of associative networks, not all document managed to get a metadata recommendation. The result of the establishment of metadata can be automatically chosen based on accuracy or the number of metadata properties generated by the application of energy filtering of the metadata recommended. Meanwhile, to create the metadata automatically with metadata keywords property recommendations more accurate results when using the associative network based on cooccurrence.

Keywords : metadata, associative network, part icle swarm, and metadata generation.