A Hybrid Recommender Method for Learning Objects

Design and Evaluation of Digital Content for
© 2011 by IJCA Journal
Number 1 - Article 8
Year of

Publication: 2011

Authors:
Alfredo Zapata
Victor H. Menendez
Manuel E. Prieto
Cristobal Romero

{bibtex}dece001.bib{/bibtex}

Abstract

Searching for and retrieval of Learning Objects in e-learning environments is a complex assignment for instructors and students. Generally, the search results include several Learning Objects and the ranking criteria are not always clear (keyword frequency, date updating, user profile similarity, etc.). This means that selection of the best Learning Object for a specific use requires a lot of effort and time. This paper proposes a hybrid recommendation method to assist users in the search and selection processes in Learning Objects Repositories. The intended method uses a combination of different filtering techniques, such as content comparison, and
collaborative and demographic searches. To achieve this goal, metadata information, management activities of resources and user profiles are used. The hybrid recommendation method has been implemented in a search system called DELPHOS.

Reference


Index Terms

Computer Science Wireless

Key words

Learning Object IEEE-LOM
Pedagogical Quality