Abstract

This research presents a solution for modeling the user profile of E-Learners. This solution combines the cognitive and technological sides. It's based on known standards and methods. IMS-LIP standards are extended and adapted so as to build an architecture that better solves problems related to cold start and information overload.

This solution was implemented and the experiment was conducted in order to test how efficient it is. The experiments show results that are satisfying and that outperform similar solutions.

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Index Terms

Computer Science

Information Systems
Keywords

Knowledge management, E-learning, FOAF, IMS-LIP, TBS, MBTI, Felder-Silverman learning style