A Study on Ontology Application Scenarios in e-Learning Domain

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Authors:
Kalla Madhusudhana

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Abstract

The e-Learning community is aiming to provide much more effective computer aided learning management systems. The exploration of huge learning material and evolution of e-learning technology caused realizing of various approaches and techniques in learning content management and delivery process. However, searching appropriate learning resources for a learner from a large number of heterogeneous knowledge sources is a tedious task. This paper discusses how ontology can be used to the e-learning system to help learner in selecting or retrieving relevant learning material and investigates different ontology application scenarios in the e-learning environments. Finally we proposed the different strategies to be considered while developing ontologies in management, presentation and retrieval of the material in e-learning domain.

References

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e-learning, ontology, application scenarios, Metadata, Semantic Web, Presentation, Personalization, Adaptation.