Abstract

In a Learning Design, describing the Learning Design in a consistent and transferable way is significant. However, there are several learning design representations that define Learning Design. IMS-LD is a specification that facilitates representation of leaning design and modeling Learning Design interpretability. Learning Design is user-intensive, the lack of shared understanding leads to poor communication; Ontologies in this context, aim at solving the former problem. Ontologies facilitate the communication and knowledge sharing by providing a unify framework for parties with different viewpoints. Since the learning design varies from one designer to another, this work proposes a Leaning Design Ontology tool (LDO) that offers possibilities for organizing and visualizing more resource to grant better understanding for concepts and elements of IMS-LD to support designers. In the proposed tool, the semantic ontology concept is provided by defining a description of each concept; and knowledge base is provided by providing resource description.

References

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**Index Terms**

Computer Science  
Software Engineering

**Keywords**

Learning Design  Ontology  IMS-LD Specification  E-learning  Interpretability  Knowledge Base Management