# Using Ontology to Construct a Personalization Search Engine for Learning Materials in SCORM

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## ABSTRACT

Because of e-learning concept popularization gradually, make electronic learning become the new trend of the studying type in the future. And the fast development in SCORM of cause has already become the standard of learning object in recent years, a lot of e-learning system in accordance with follow SCORM standard as new index of e-learning, learning object which accord with SCORM standard are more and more too, learning object which the teacher can choose in editor's teaching material are more and more diversified and complicated. But because like this, Follow and is it can choose how things pass caused information smog and is it remit teaching material necessary cost ,etc. issue to compile to increase to come. Because SCORM regards XML as the form of storing, so this paper will regard concept of ontology as this based of searching engine, to design the personalize search engine that can search the teaching material which accords with SCORM, through this personalize searching engine, the user can order necessary Domain Ontology Tree by oneself, the one that set up and appear among the classifications is related, Make the teacher can obtain the necessary teaching material object easily in editor's teaching material, and is regarded as teacher's suggestion in editor's content of courses. Make use of the related characteristic among all teaching material object set up by oneself by user, and searching teaching material by this related structure, The teacher can grade with the making carrying on the teaching material from the guide result searched and the searching of more range. Through this personalize mechanism of searching,This paper can provide a suggestion while searching and studying the objects and editor's teaching file for a teacher, that made the teacher fast found out the proper study objects, and can necessary reduction cost in editor's teaching material in good time, reach the real spirit of E-learning.

Keywords : SCORM, Ontology, Search Engine, Personalize

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