

The Study of Knowledge Service-Oriented Recommendation and Navigation Mechanism - A Case of E-learning Platform

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ABSTRACT

With the continuous development of communication technology and internet, by the digital learning approaches, the learners can create a self learning environment without physical limitation. In addition to the fashion of electronic learning, organizations devote a lot of funds and related services of knowledge intensive to keep the human resources advantage and R/D of new technologies. Based on the existing digital platform with some restricts, learners acquire knowledge that lack for integrity and suitability. For reaching in appropriate timing and sending the appropriate knowledge to suitable person with the opinions of electronic learning and knowledge intensive service. This research is going to create knowledge-integrated service platform to reach the purpose of personalized knowledge service. In addition, through the integration of recommended and navigated mechanism, this research is going to make a transformation from the traditional education to the knowledge-oriented intensive service portal. This research has reached that expected results as the following descriptions: 1. To collect related literature reviews about electronic learning and knowledge intensive service, also, create the preliminary structure of knowledge intensive service portal. 2. Combine the cluster analysis, curriculum mining process and knowledge refinement technology to provide an appropriate knowledge recommendation service for personalization. 3. Use the function of navigating to construct the personalized knowledge map with the visualized hierarchical map of diagram displaying to present the natural ontology.

Keywords : Knowledge Service ; Knowledge Service Platform ; Personalized Knowledge Recommendation ; Knowledge Navigation

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