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Abstract
Recently, owing to the rapid development of the Internet and the continuous growth of people who surf the Internet, Learning how to use the Internet thus play a vital role in our daily life. People from many enterpises or from campus are all very interested in Integrated Knowledge Management; IKM. Consequently, they start to establish websites and apply IKM to their enterprise. The aim of this research is to create an Interactive Multimedia Common Learing System with Knowledge Management, which is able to collect, classify, query, share, apply, and create knowledge, and collect users" personal file. In this research, We provide the following seven new ideas: 1. Use XML to integrate the format of various associated applied system documents. 2. Integrate and describe the synchronization of presenting web page and knowledge document by SMIL . 3. Classify the Database into specific knowledge fields to construct a better query function. 4. We then apply data mining technology (Association Rule) to find each user’s browsing patterns. And accomplish personal knowledge to study. 5. Help users to search for required media material in shared Multimedia Database and do on-line editing. 6. Provide impromptu broadcasting service through IE browser to create a video-audio interactive learning circumstances. 7. Provide users highly interactive environment. Different users can make use of instant video conference to proceed the meeting and discussion and to accomplish knowledge exchange, storage, and management. Using the IMCLS-KM system with on-line editing, video conferencing and collaborating knowledge creation mechanisms, users can remotely share their works and experiences with each other. In this way , the quality and volume of media materials in knowledge base can be enriched incrementally.
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