

以知識探索為基礎之探究式教學輔助系統

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摘要

The aim of this study is to develop an Inquiry-Based Learning (IBL) support system based on knowledge exploration. The system will promote students to learn actively a new subject by employing their knowledge searching ability. We also explore the influence of conducting the proposed system on student's learning achievement. A case study is presented which uses our proposed system on the course "Computer Science". The experiments are conducted to the first year undergraduate students under various knowledge resources. From the results of experiments, it can be demonstrated that our proposed system can not only improve students' learning achievement but also enhance students' learning efficiency.

關鍵字：Inquiry-based learning, IBL, knowledge exploration, technology enhanced learning, e-learning