

An Application of On-Line Test in the Nine-Year Curriculum - Taking Chinese Course in the 6th Grade as an Example

廖寶呈、高富建

E-mail: 9707206@mail.dyu.edu.tw

ABSTRACT

ABSTRACT The purpose of this research is to utilize the technology of Internet to develop a multimedia on-line testing system which is suitable for Nine-Year Curriculum . The functions of the system Database include on-line examination question database, on-line test and test analysis. On-line examination question database supplies teachers with the functions of self-controlling managemet and the sharing of examination questions. The functions of On-line test supplies teachers with examination papers and students with self-practice after class. Test analysis supplies teachers with the testing grades and the questions that student made the wrong answer. Consequently, teachers can utilize the feedback to improve their teaching. The design of the system not only provides traditional words statement but also supplies sound,pictures, animation and video in examination papers. It makes the on-line examination questions diversiform and abundant. Keyword : On-line test, On-line examination question database

Keywords : On-line test ; examination question database

Table of Contents

目錄 封面內頁 簽名頁 授權書 iii 中文摘要 iv ABSTRACT v 誌謝 vi 目錄 vii 圖目錄 ix 表目錄 xi 第一章 緒論 1 1.1 前言 1 1.2 研究動機 1 1.3 研究目的 2 第二章 文獻探討 3 2.1 測驗的品質 3 2.1.1 信度 3 2.1.2 效度 5 2.1.3 常模 5 2.1.4 實用性 6 2.2 線上測驗的優點及缺點 6 2.3 線上測驗應有的功能 7 2.4 FCKeditor編輯器 8 第三章 系統的分析與設計 10 3.1 系統分析 10 3.2 系統設計 14 3.2.1 動態網頁語言 14 3.2.2 資料庫 15 3.2.3 網頁伺服器 15 3.2.4 作業系統 16 第四章 系統實作 18 4.1 系統建置 18 4.2 資料庫結構 21 4.3 系統測試 26 4.4 系統功能說明 30 4.5 使用者評估 42 第五章 結論與未來發展方向 46 5.1 結論 46 5.2 未來發展方向 47 參考文獻 48 附錄 49

REFERENCES

參考文獻 [1] 郭生玉 (1999) , 心理與教育測驗, 精華出版社。

[2] 陳英豪、吳裕益 (2001) , 測驗與評量 (第六版)。復文出版社。

[3] Anastasi, A. (1988) . Psychological testing (6th ed.) New York: Macmillan. Crocker, L. M., & Algina, J. (1986) . Introducion to classical and modern test theory.

[4] Linn, R. L., & Gronlund, N. E. (1995) . Measurement and Assessment in Teaching (7th ed.) New Jersey:Prentice-Hall.

[5] 張春興 (民80) , 「心理學」, 東華書局。

[6] 黃朝恭 (民88) , 國小國語文科多媒體線上測驗系統建置之研究。

[7] 林敏慧等 (民90) , 網路教學與傳統教學之差異與融合分析。論文發表於第五屆全球華人學習科技研討會及第十屆國際電腦輔助教學研討會。

[8] 陳新豐 (民92) , 線上題庫系統之研發, 中學教育學報, 第十期, 301-326頁 [9] 何榮桂 (民94) , 數位化題庫之概念架構, 國家菁英季刊, 第一卷, 第四期。

[10] <http://www.fckeditor.net/>