

基于 java 的网上教学管理系统的设计与实现

摘 要

随着网络的发展，传统的教学模式已跟不上潮流。传统的教学方式压力增加从而显得力不从心。新型的网上教学的模式没有固定时间、固定地点的要求从而大力发展起来，成为热门。传统的教学模式信息管理混乱、不透明，在工作中常有信息遗漏，信息的统计查询更是困难。这类模式因为信息不好核对，管理人员乱登记，对事后的信息查询增加压力而逐渐被弃用。网上教学管理模式可以改变现状，实现信息准确录入，对信息查询、统计一键解决。各类信息的精准保存也为教学管理提供了保障。

本基于 java 的网上教学管理系统是专为教学而开发的办公辅助工具，开发技术选择 jsp,数据库选择 mysql。本系统包括管理员、学生和教师三种身份。管理员为最高权限，功能为教学资源管理、学生信息管理、点名考勤查询以及类别试卷管理和题库管理以及系统用户管理；教师功能为教学资源管理、点名考勤查询、信息信息管理和师生互动交流以及试卷成绩管理、个人资料管理；学生的功能为个人资料管理、作业信息管理和教学资源查询、师生互动交流、在线测试。本系统可以实现学生在线学习以及测试和在线问答，老师解答提问和设置试卷，发布学习资源，管理员管理系统基本信息的功能。利用本系统可以帮助学生提高学习成绩，辅助教师的教学，同时帮助学校教务工作。

关键词：教学资源，题库信息，作业信息，师生互动交流，在线测试

Abstract

With the development of network, the traditional teaching mode can not keep up with the trend. The pressure of the traditional teaching method is increasing and it is not enough. The new online teaching mode has developed vigorously without the requirements of fixed time and fixed place, and has become a hot topic. The information management of traditional teaching mode is chaotic and opaque, and there are often information omissions in the work, so it is more difficult to query the information. This kind of mode is gradually abandoned because the information is not easy to check, managers register in disorder, and increase the pressure on information query afterwards. Online teaching management mode can change the status quo, achieve accurate information input, information query, statistics one click solution. The accurate preservation of all kinds of information provides guarantee for teaching management.

The online teaching management system based on Java is an office assistant tool specially developed for teaching. JSP is the development technology and MySQL is the database. This system includes administrator, student and teacher. The administrator is the highest authority, and its functions are teaching resource management, student information management, roll call attendance query, category test paper management, question bank management and system user management; the teacher function is teaching resource management, roll call attendance query, information information management, interaction between teachers and students, test paper score management and personal data management; the function of students is personal data management Industry information management and teaching resources query, interactive communication between teachers and students, online testing. The system can realize the functions of students' online learning, testing and online Q & A, teachers' answering questions and setting test papers, publishing learning resources, and administrator managing the basic information of the system. The use of this system can help students improve their academic performance, assist teachers in teaching, and help school educational administration.

Key words: teaching resources; item bank information; homework information; interaction between teachers and students; online test

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