

摘要

煤矿资源作为我国的主要能源之一,煤矿安全也是全国上下的热点关注问题。本课题煤矿主井设备巡检管理系统的设计与研究,通过巡检管理系统实现对设备可以按时按人进行巡检,用技术手段促进和保障煤矿主井提升系统的运行安全,项目研究有着重要的意义。

巡检人员根据自己的排班,按时定点的去进行设备的巡检,对于设备的巡检结果在完成现场巡检后,通过计算机终端将巡检结果导入到巡检管理系统中。工作人员可以通过主井设备巡检管理系统方便、快捷的查询巡检结果,并通过巡检结果及时准确的发现设备的问题,及时修复设备的问题,从而保证煤矿的安全生产。

本文根据煤矿主井设备巡检管理制度要求,设计出该系统对应的功能模块。根据系统的要求,本文采用 eclipse 作为系统的开发工具对巡检管理系统进行整体设计,系统的整个页面的逻辑处理都是利用 java 语言来实现的,并使用 mysql 数据库管理系统作为系统的数据支撑,实现了考勤查询、巡检人员管理、主提升机巡检日志、主提升机巡检记录、巡检管理五个功能模块。

通过煤矿主井设备巡检管理系统,可以及时发现设备的问题,确保设备的安全,从而保证煤矿生产的安全。

关键词: 煤矿; 主井设备; 巡检管理; JAVA 语言

Abstract

Coal mine resources are one of the main energy sources in my country, and coal mine safety is also a hot topic of concern throughout the country. The design and research of the patrol inspection management system of coal mine main shaft equipment in this subject, through the patrol inspection management system, the equipment can be patrolled on time and by people, and the technical methods are used to promote and ensure the safety of the operation, project research is of great significance.

The inspection staff conducts the inspection of the equipment according to their own schedules and on time. After completing the on-site inspection of the equipment, the inspection results are imported into the inspection management system through the computer terminal. The staff can query the inspection results conveniently and quickly through the main shaft equipment inspection management system, and find the equipment problems timely and accurately through the inspection results, and repair the equipment problems in time to ensure the safe production of coal mines.

This paper designs the corresponding functional modules of the system according to the requirements of the inspection and management system for the main shaft equipment of coal mines. According to the requirements of the system, this article uses eclipse as the system development tool to design the overall inspection management system. The logic processing of the entire page of the system is implemented using java language, and the mysql database management system is used as the data support of the system. Five functional modules are implemented: attendance query, patrol management, main hoist patrol log, main hoist patrol record, and patrol management.

Through the inspection and management system of coal mine main shaft equipment, problems of equipment can be found in time to ensure the safety of equipment and thus ensure the safety of coal mine production.

Keywords: coal mine; main shaft equipment; patrol inspection management ;JAVA language

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