

# 企业车辆管理系统设计与实现

## 摘 要

随着运输市场的开放，我国主要运输公司的竞争也非常激烈。如何抓住机会和占有市场地位的所有企业都必须考虑的问题。目前，中国运输产业的发展还很慢，而且人员质量低，管理水平相对落后。但是，随着信息技术的快速发展和计算机技术的大规模应用，通过计算机的项目管理和流程管理盛行，形成了大企业的发展趋势。我们研究了车辆管理方法，并详细讨论了使用几个模块和计算机技术的高度车辆管理系统设计和实现。对运输产业车辆管理和各种各样企业和组织做出了极大贡献。

一开始，车辆管理系统的概念和业务功能的重要性。比较了 C / S 与 B / S 的区别，并对 LAMP 体系结构、EJB 技术、MySQL 数据库技术等相关硬件技术进行了阐述。其次，对车辆管理和安全性进行了分析。基于以上分析，确定了系统的设计与实现。分析系统模块，设计系统信息结构，功能组织，设计车辆管理，运营管理，培训管理等方面，提出了几个主要模块的系统实施方式。数据接口的实现用于实现访问控制、运行任务的管理。

最后，分析该管理系统解决的具体问题，并进行预测。使用一套完整的车辆管理系统来解决复杂车辆的数据管理。不仅使各企业的车辆管理标准化，还可以共享信息资源，使各事业部门的信息标准化，各部门的业务更加便利，效率提高，企业资源消耗最小化。

**关键词：**车辆管理；信息系统；LAMP

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## Abstract

With the opening of the transportation market, competition among my country's major transportation companies is also very fierce. How to seize opportunities and occupy a market position must be considered by all companies. At present, the development of China's transportation industry is still very slow, and the quality of personnel is low, and the management level is relatively backward. However, with the rapid development of information technology and the large-scale application of computer technology, project management and process management through computers have become popular, forming the development trend of large enterprises. We have studied vehicle management methods and discussed in detail the design and implementation of a high-level vehicle management system using several modules and computer technology. It has made great contributions to vehicle management in the transportation industry and various companies and organizations.

In the beginning, the importance of the concept and business function of the vehicle management system. The difference between C/S and B/S is compared, and related software and hardware technologies such as LAMP architecture, EJB technology, and MySQL database technology are described. Secondly, the vehicle management and safety are analyzed. Based on the above analysis, the design and implementation of the system are determined. Analyze system modules, design system information structure, functional organization, design vehicle management, operation management, training management, etc., and propose system implementation methods for several main modules. The realization of the data interface is used to realize access control, operation tasks and management of oiling operations.

Finally, analyze and analyze the specific problems solved by the

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management system, and make predictions. Use a complete vehicle management system to solve the data management of complex vehicles. Not only can the vehicle management of various enterprises be standardized, but also information resources can be shared, and the information of various business departments can be standardized, so that the business of each department is more convenient, the efficiency is improved, and the consumption of enterprise resources is minimized.

**Keywords:** vehicle management; information system; LAMP

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