Construction of Human Resource Management Program at Hoàng Anh Marine Industry Joint Stock Company - 03

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***Abstract*—This thesis focuses on the development of a human resource management program for Hoàng Anh Marine Industry Joint Stock Company - 03. The author employs UML (Unified Modeling Language) for system analysis and design, and implements the program using Visual Basic 6.0 and Microsoft Access database. The study covers the current state of the company's human resource management system, system analysis and design, database and interface development, and the implementation of key functionalities such as updating employee records, department management, and report generation. The program successfully improves data storage and information retrieval efficiency, but it does not cover all aspects of the company's operations and only partially replaces human management.**

***Index Terms*—human resource management, UML, Visual Basic, database, system analysis, system design**

I. Introduction

The thesis introduces the background and objectives of the project, emphasizing the importance of information technology in modern management practices. It highlights the need for a computerized human resource management system to improve data storage and information retrieval efficiency. The project aims to develop a program that can manage employee records, departments, and generate reports. The author uses UML for system analysis and design and implements the program using Visual Basic 6.0 and Microsoft Access database. The study covers the current state of the company's human resource management system, system analysis and design, database and interface development, and the implementation of key functionalities such as updating employee records, department management, and report generation [1]. Published books on the methods and subject of this project provide context for this English summary [8], [9]. Published articles on the methods and subject of this project provide context for this English summary [10].

II. Methods

The author employs UML for system analysis and design, and implements the program using Visual Basic 6.0 and Microsoft Access database. The process includes system analysis, design, and implementation of key functionalities such as updating employee records, department management, and report generation. The author describes the use of UML diagrams, including use case diagrams, class diagrams, and activity diagrams, to model the system. The implementation involves creating a database schema, developing forms and menus, and integrating the database with the Visual Basic application. The program successfully implements functionalities for updating employee records, managing departments, and generating reports, but it does not cover all aspects of the company's operations and only improves data storage and information retrieval [1].

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III. Results

The study successfully developed a human resource management program with functionalities for updating employee records, department management, and report generation. The program uses a Microsoft Access database to store and manage employee data, and Visual Basic 6.0 to develop the user interface and implement the required functionalities. The program includes forms for updating employee records, managing departments, and generating reports. However, the system does not cover all aspects of the company's operations and only improves data storage and information retrieval. The program successfully implements the required functionalities, but it does not fully replace human management [1].

IV. Discussion

The limitations of the system include incomplete analysis of other human resource management processes and the system's inability to fully replace human management. The author suggests further development to address these limitations. The program successfully implements the required functionalities, but it does not cover all aspects of the company's operations and only improves data storage and information retrieval. The system's limitations include the lack of integration with other systems and the need for human oversight in certain processes. The author recommends further development to address these limitations and improve the system's overall functionality [1].

V. Conclusion

The thesis concludes that the developed program effectively improves the efficiency of human resource management at the company. However, there is room for improvement in

covering all aspects of the company's operations. The author suggests further development to address the limitations and improve the system's overall functionality. The thesis concludes that the developed program effectively improves the efficiency of human resource management at Hoàng Anh Marine Industry Joint Stock Company - 03. However, the system does not cover all aspects of the company's operations and only partially replaces human management. The author suggests further development to address these limitations and improve the system's overall functionality [1].

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