Salary Accounting Program for Binh Gia Health Center in Lang Son

Trần Thị Thanh Ngà
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
student298@ictu.edu.vn

***Abstract*—This thesis focuses on the development of a salary accounting program for the Binh Gia Health Center in Lang Son, Vietnam. The program aims to manage user accounts, employee information, and salary calculations, with features for generating reports and managing financial data. The author implemented a user-friendly interface and a database using C# and SQL Server 2005. However, the program lacks advanced functionalities such as role-based access control and full salary calculation for all employees. The study highlights the importance of accurate salary accounting in healthcare institutions and suggests future improvements to enhance the program's compliance with national regulations.**

***Index Terms*—salary accounting, C#, SQL Server, user management, employee information, salary calculation**

I. Introduction

The thesis provides an overview of salary accounting, discussing its significance in healthcare institutions. It covers various aspects such as the nature, functions, and roles of salary accounting, as well as the design and implementation of the program at the Binh Gia Health Center. The author emphasizes the importance of accurate salary accounting for effective financial management and employee satisfaction. The study also highlights the challenges faced by healthcare institutions in managing salary expenses and the need for robust accounting systems [1]. Published books on the methods and subject of this project provide context for this English summary [7], [8], [9].

II. Methods

The methods section details the design and development of the salary accounting program using C# and SQL Server 2005. The author describes the user interface, database design, and key functionalities of the program, including user management, employee information, and salary calculation. The program includes features for generating reports and managing financial data. The author also discusses the implementation of basic functionalities such as user login, employee profile management, and salary calculation based on predefined rules [1].

III. Results

The Binh Gia Health Center program manages users, staff biographies, departments, positions, employee search, salary calculations, and end-of-period cost accounting. These are the functions listed in the thesis conclusion. The same conclusion says user permissions, pay for non-permanent contract staff, and a help function remained unfinished. It proposes employee tax identifiers and a fuller set of reports for future versions. The manuscript does not document a complete salary calculation for all staff categories or formal rollout at the health center. Its supported result is a functional but incomplete student program [1].

Supervisor: Nguyễn Anh Phương, National Economics University.

IV. Discussion

The discussion highlights the importance of accurate salary accounting in healthcare institutions. The author suggests future improvements, including role-based access control and full compliance with national regulations. The program's current functionalities support basic salary accounting, but additional features are necessary to ensure comprehensive financial management. The author also notes the need for regular updates and maintenance to address any potential issues and improve the program's performance [1].

V. Conclusion

The student implemented a salary-accounting application for the Binh Gia Health Center with staff records, searches, salary calculations, and period-end accounting. The original conclusion explicitly lists missing access control, contract-staff payroll, and help features. It also treats fuller reporting and tax identifiers as future work. The program therefore cannot be described as a complete payroll solution for every employee. This summary records the demonstrated functions and unresolved tasks without assuming regulatory compliance or routine use beyond the evidence supplied in the thesis [1].

References

[1] Trần Thị Thanh Ngà, "Salary Accounting Program for Binh Gia Health Center in Lang Son," internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2013.
[2] Đặng Ngọc Hùng, (2009), Giáo trình kế toán tài chính, Nxb Đại học kinh tế quốc dân
[3] Phương Lan, Phạm Hữu Khang, (2002), Kỹ thuật lập trình ứng dụng C#.net toàn tập, Tập 1, 2, 3, Nhà xuất bản lao động xã hội
[4] PGS.TS Nguyễn Văn Lợi, (2010), Giáo trình kế toán hành chính sự nghiệp, Nxb Tài chính
[5] Nguyễn Ngọc Bình Phương, Thái Thanh Phong, (2006), Các giải pháp lập trình Csharp, Nxb Giao thông vận tải
[6] ThS. Phạm Hữu Tùng, (2011), Ngôn ngữ lập trình C#, Đại học FPT
[7] A. Silberschatz, H. F. Korth, and S. Sudarshan, Database System Concepts, 5th ed. McGraw-Hill, 2005. ISBN 9780072958867.

[8] M. J. Hernandez, Database Design for Mere Mortals: A Hands-On Guide to Relational Database Design, 2nd ed. Addison-Wesley Professional, 2003. ISBN 9780201752847.
[9] I. Sommerville, Software Engineering, 7th ed. Addison-Wesley, 2004. ISBN 9780321210265.