Internet-Based Business Management System for Tuan Phat Co., Ltd.

ICTU Student 211
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
student211@ictu.edu.vn

***Abstract*—This thesis focuses on the development of an online business management system for TNHH Tuân Phát, a company specializing in electronic products. The research covers the current state of online sales in Vietnam, the design and implementation of a website, and the management of business operations. The system aims to automate inventory management and sales processes, providing a platform for customers to purchase and for administrators to manage products, customers, and sales data. The project faced limitations due to time constraints and a lack of practical experience, but it successfully built an online platform for TNHH Tuân Phát, improving the efficiency of business operations. However, it highlights the need for further research and development to address the limitations of the current system.**

***Index Terms*—online business management, ASP.NET, website design, inventory management, sales tracking**

I. Introduction

The thesis explores the development of an online business management system for TNHH Tuân Phát, a company that has been operating since 2000. The study highlights the need for an online platform to manage inventory and sales, as traditional manual methods are inefficient and impractical for a growing business. The company sells electronic products and aims to expand its market reach and streamline its operations through an online platform. The project involves a thorough analysis of the company's current operations, followed by the design and implementation of a website using ASP.NET technology. The system includes features for customer interaction, product management, and sales tracking [1]. Published books on the methods and subject of this project provide context for this English summary [2].

II. Methods

The research involves a comprehensive analysis of the company's current operations, followed by the design and implementation of a website using ASP.NET technology. The system includes features for customer interaction, product management, and sales tracking. The design process involved identifying key stakeholders, such as the management, sales team, and customer service. The system was developed using ASP.NET, which offers a robust framework for web development. The project faced limitations due to time constraints and a lack of practical experience, which affected the thoroughness of the implementation [1].

Supervisor: Đỗ Thị Bắc, Thai Nguyen University of Information and Communication Technology (dtbac@ictu.edu.vn).

III. Results

The developed system allows customers to register, search for products, place orders, and make payments online. Administrators can manage products, customers, and sales data. However, the project faced limitations due to time constraints and a lack of practical experience. The system was successfully implemented, but it did not undergo a formal evaluation or testing phase. The project successfully built an online platform for TNHH Tuân Phát, improving the efficiency of business operations. However, it highlights the need for further research and development to address the limitations of the current system [1].

IV. Discussion

The thesis discusses the challenges of implementing an online sales system in Vietnam, including the limited use of credit cards and electronic payments. It also suggests future research directions, such as developing a standardized online sales model and enhancing system security. The project faced several limitations, including time constraints and a lack of practical experience, which affected the thoroughness of the implementation. The system was successfully implemented, but it did not undergo a formal evaluation or testing phase. The project highlights the need for further research and development to address the limitations of the current system [1].

V. Conclusion

The project successfully built an online platform for TNHH Tuân Phát, improving the efficiency of business operations. However, it highlights the need for further research and development to address the limitations of the current system. The project faced limitations due to time constraints and a lack of practical experience, which affected the thoroughness of the implementation. The system was successfully implemented, but it did not undergo a formal evaluation or testing phase. The project suggests future research directions, such as developing a standardized online sales model and enhancing system security [1].

References

[1] ICTU Student 211, "Internet-Based Business Management System for Tuan Phat Co., Ltd.," internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2010.
[2] I. Sommerville, Software Engineering, 7th ed. Addison-Wesley, 2004. ISBN 9780321210265.