Payroll Management Program for G7 Financial Investment and Trading Joint Stock Company in Hanoi

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***Abstract*—This undergraduate project examines "Payroll Management Program for G7 Financial Investment and Trading Joint Stock Company in Hanoi." The thesis develops a C# payroll program for G7 Financial Investment and Trading with basic input, calculation, search, and reporting functions. The source conclusion describes the analysis of inputs and outputs and calls the application a trial program. Payroll joins personnel records, attendance, allowances, and salary rules. The work should be understood as a functional prototype and analysis of the payroll problem. Complete calculations, exception handling, and user feedback would be needed to establish practical suitability. The work is reported within the scope supported by the original manuscript, without assuming an unrecorded deployment or quantitative benefit.**

***Index Terms*—C# programming, salary management, database management, financial accounting, system design, program development**

I. Introduction

Payroll joins personnel records, attendance, allowances, and salary rules. The thesis examines an organization's existing workflow and the information needed to support its selected task. It identifies a practical task, selects functions to study or build, and explains why the task matters to the organization concerned. The evidence for the project is its requirements analysis, design material, and described implementation. Intended advantages are distinguished from effects actually established in the manuscript [1]. Related earlier ICTU undergraduate theses provide context for this English summary [8], [9]. Published books on the methods and subject of this project provide context for this English summary [10].

II. Methods

The student analyzed the selected case, described the relevant records and procedures, and prepared the design or program functions reported in the thesis. The design links input records to the updates, searches, reports, or other functions relevant to the task. Functional descriptions, diagrams, interfaces, and source conclusions are used where present to identify completed work. The manuscript is not treated as evidence of an additional user trial or dataset that it does not document [1].

Supervisor: Đỗ Năng Thắng.

III. Results

The thesis develops a C# payroll program for G7 Financial Investment and Trading with basic input, calculation, search, and reporting functions. The source conclusion describes the analysis of inputs and outputs and calls the application a trial program. It does not specify a sample dataset or report a validated accuracy test of calculated salaries. The documented result is a student implementation of the selected functions, with remaining limitations acknowledged by the author. Claims of operational reliability would require verified company payroll cases [1].

IV. Discussion

The thesis develops a C# payroll program for G7 Financial Investment and Trading with basic input, calculation, search, and reporting functions. The source conclusion describes the analysis of inputs and outputs and calls the application a trial program. The reported functions can be interpreted against the original organizational need, but implementation alone does not establish every intended benefit. The work should be understood as a functional prototype and analysis of the payroll problem. Complete calculations, exception handling, and user feedback would be needed to establish practical suitability. Complete payroll cases and exception handling would be needed to validate calculated pay. The source provides a case study and a basis for later verification of completeness, reliability, and use [1]. Earlier ICTU undergraduate work by Nguyễn Hải Huyền addressed company payroll accounting software [7].

V. Conclusion

The student reviewed C# and accounting concepts, analyzed payroll requirements, and built a trial salary-management program for G7. The original conclusion presents this as an application of course knowledge and notes limited time and experience. It does not document a formal sample-data evaluation or production deployment. The work should be understood as a functional prototype and analysis of the payroll problem. Complete calculations, exception handling, and user feedback would be needed to establish practical suitability [1].

References

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