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This thesis reports on the process of developing a computer software application to facilitate the management of personnel data in the Personnel Management Division of the Nursing Faculty, Mahidol University. In the division, the conventional system of collecting data manually on individual employees in the Faculty caused personnel staff members to record information in many different file books. Personnel staff members spent a great deal of time recording and retrieving information which administrators requested. This process was time consuming, repetitive and redundant.

The research project is aimed at increasing the effectiveness and efficiency of work in this division by using microcomputer-based information technology. To solve personnel data management problems, The researcher created a software program using database management features in Access97, which apply a graphic user interface running on Microsoft Windows95 Operating System. This application was developed and tested using a hypothetical yet realistic database of personnel data of employees in the division.

The result of this study reveals that the Personnel System program provides rapid access to complete personnel records thereby reducing need to retrieve data manually from file books. The program can also provide associated information in summarized report formats. Moreover, the program can serve as a foundation for developing further necessary IT applications for this Faculty.