

Application of barcode recognition in user information management

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Abstract: This topic aims to analyze and propose the use of barcode recognition technology to optimize the user information management process. The practical context shows that applying this technique will enhance efficiency in collecting, storing, and retrieving user data. The objective is to build a system based on barcode recognition to improve the information management process in a more automated and accurate manner. The research method combines the theory of barcode technology with experimental application deployment at facilities with specific needs. The expected outcome of this topic is to provide an advanced technical solution for user information management, while contributing to the development of the data management industry.

Keywords: Barcode recognition, User information management, Automation technology, Data management system