DEVELOPMENT OF AUTOMATED LOCKER VIA RADIO FREQUENCY IDENTIFICATION

A Project Design
Presented to the Faculty of the
College of Communication and Information Technology
Ramon Magsaysay Technological University
Main Campus, Iba, Zambales

In Partial Fulfilment
of the Requirement for the Degree
Bachelor of Science in Computer Engineering

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April 2013

Republic of the Philippines
RAMON MAGSAYSAY TECHNOLOGICAL UNIVERSITY
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Iba, Zambales

DEC 17 2013

The study here to attached entitled

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ABSTRACT

The Automated Locker via Radio Frequency Identification is the output system that was designed to improve the security.

The researchers' have been challenge to build something that could be helpful, effective in some other cases of theft, robbery or even criminal cases. This system could be very helpful to us to prevent criminals from practising such things. So the researchers' concerned to our surroundings for such matter the only way to do is to figure out what is the most typical crime that usually happens in our community on how to avoid crimes.

The main goal of this project is to design and implement a locker security system based on RFID technology which can be organized in bank, secured offices, schools and homes. In this system only authentic person can be recovered money or other valuable things from locker. The researchers' have implemented a automated locker security system based on RFID technology containing door locking system using RFID which can activate, authenticate, and validate the user and unlock the door in real time for locker secure access. The main advantage of using passive RFID is more secure than other systems. This system consists of microcontroller, RFID reader, keypad, and LCD, in this system The RFID reader reads the id number from passive tag and sends to the microcontroller. This system is more secure than other systems because two passwords required for verification. This system also contains a master card that can access the locker.