Abstract

ATM nowadays has only ATM card and PIN (Personal Identification Number) as the security. To some people, the security of ATM is not secure enough. The objective of our thesis is to enhance the security of the ATM through the usage of biometric authentication system. With the enhancement of biometric authentication, it will be secure to do transaction within the ATM. One of the considerations of using biometric authentication is because every people have unique traits.

First, we are doing analysis to the current system. We have analyzed how the ATM works including the movement of data from the ATM to the bank server. We also analyze how the touch screen works including multiple point reading. With the information from the previous analysis, we develop the touch screen program which inherits the multiple points reading as the security for doing transaction in the ATM. The procedure compares a biometric reading against a corresponding reading stored in that person’s user record. If the two reading match closely, then the system will authenticate the person. By enhancing biometric authentication system in ATM, the system will become more secure and more reliable.

Key words
Biometric, touch screen, ATM, PIN