Smart Card Security Enhancing System By using Symmetric Key Algorithm

Khaing ZinThet, Khin Than Mya

"University of Computer Studies, Yangon, Myanmar"
khaingzin.thet91@gmail.com,
khinthanmya@gmail.com

Abstract

Information technology plays a vital role for the development of smart cards. Smart cardscan change the form of the delivery of services and goods, through the automatedidentification and verification of customers, resulting in significant efficiency gains andultimately lower costs for consumers. People from different jobs of life extract informationfrom these smart cards. Smart cards have the potential benefit to people with the right ofprivacy and give users confidence in the trustworthiness of commercial organizations andstate institutions. It can also provide different kinds of facilities to users and as well asorganizations such as access and control.In this paper, the student security for student registration, library and school fee payment system is implemented by using Twofish algorithm for high secure system.This system provides data entry for student affair, registration for student library card, hiring book for library and doing statistic for monthly school fee. This proposed system enhance characteristics of security features for confidentiality, integrity and availability by using Twofish algorithm and SHA-1.