

Implementation of Mobile Banking Authentication System Using RC5Encryption Algorithm

Moe Pwint Phyu, Win Win Thant

*University of Computer Studies, Yangon (UCSY)
mmpwint7@gmail.com,winwinthant@gmail.com*

Abstract

Nowadays, Mobile Banking (MB) System is performing of finance related functions on a mobile device. MB can be used anywhere you take your device and fast banking today. Current MB confidentiality and authentication are challenging and then identified as major security risks. In this paper, MB system is implemented on confidentiality, authentication and verification of security channels to protect the system's security risks. To protect the confidentiality and authentication, PIN (Personal Identification Number) number is encrypted by RC5 encryption algorithm in MB system. Then, CAPTCHA image grid view used to protect the verification. Therefore, this system can fulfill not only the requirement of the security of mobile user but also the security of banking database system.