Abstract

In current era, with the changes in financial transactional trends, the usage of Automated Teller Machines is excelling around the world to meet the customers need. The technological enhancement in this direction is supporting various aspects relevant to the smooth, safe and secure communication and functionality of Automated Teller Machine. But, in reality, the risk of hacking or robbing is also increasing even after the implementation of such security measures. Thus, the paramount requirement relevant to ATM is to maintain its security while accessing the cash and banking services through electronic communication network and its infrastructure. In this paper, we have introduced a specific security feature, to protect customers who are forced to withdraw cash from ATM on gun-point and under threat by criminals. In this paper, an innovative approach to handle the safety and security of customer through modifications in software and physical security system of the ATM, in such duress cash withdrawal has been proposed. The proposed framework is expected to safeguard customer’s life risk and restrict the financial loss of customer as well as bank associated with ATM, along with the tracing of looted cash.

References
A Framework for Safe Mode Alarm Reporting Technique (SMART) in ATMs


Index Terms

Computer Science
Security

Keywords

Safe Mode Alarm Reporting Technique (SMART) nano-chip coerced attack security plane emergency PIN.