

## International Journal of Computer Science and Mobile Computing

A Monthly Journal of Computer Science and Information Technology

ISSN 2320-088X

*IJCSMC, Vol. 3, Issue. 2, February 2014, pg.653 – 658*

### **RESEARCH ARTICLE**



# A SECURITY ARCHITECTURE ACHIEVING ANONYMITY AND TRACEABILITY IN PAYMENT BASED SYSTEM

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**Abstract:** *Anonymous profitable transactions can protect the privacy of clients. Some clients prefer to use cash when buying everyday possessions to put off sellers from aggregating in sequence or soliciting them in the future. E-cash are associated to a user's name, and can be used to determine other information, such as address, mobile number, etc. The E-cash system was residential to allow secure anonymous transactions. Many loyalty programs use cards that personally recognize the user tempting in each transaction or that act as a mathematical pseudonym, for use in data mining. The paper proposes a key based protocol that enhances security in mobile transaction there by helping the bank admin to find the identity and the time of misuse.*

**Keywords:** *Blind mark; e – cash; key based protocol; anonymity; traceability*

Full Text: <http://www.ijcsmc.com/docs/papers/February2014/V3I2201499a50.pdf>