Abstract

Increase in on-line activities or E-commerce there is a need of efficient and secure management of records that store the data of various transactions and its assets. It is very difficult to manage large number of records manually where different operations are to be carried-out in limited period of time. It basically increases time and effort in traditional transaction management and in goods management process in business field where human resource are applied, and there is a problem of knowing the stock details like expiration through manual record checking. So, this work provides a technique to give efficient record management and secured transactions by retrieving efficient information from the tag contained in goods or stocks. It gives quick information about stock while verification. So, it provides information like Product name, Tag-id, DMFG, expiry date and details about how long the product can be used. Through this work time can be saved in processing the records and cost in doing business activities will be minimized.

References
1. Martin Feldhofer, Sandra Dominikus and Johannes Wolkerstorfer," Institute for applied Information Processing and Communications, Strong Authentication for RFID systems using AES algorithm”.


Index Terms

Computer Science

Wireless

Keywords

E-commerce, Record management, Tag-id, DMFG, RFID, Arduino.