

## ABSTRACT

This project is concerned with E-commerce authentication solutions. Two techniques have been recommended in this report to be used as authentication solutions, The first technique is smart cards or chip cards with magnetic stripes on them has been used to store information such as personal identification numbers. The current generation of smart cards includes IC chips with programmable functions. Most IC cards are activated by contacting the IC chip with a card reader. However, by using remote-sensing IC cards, the reader can be accessed without physical contact. Two types of contactless cards are recognized: a proximity card and an amplified remote-sensing card. Proximity cards are mainly used to access building and for bus fares and other transportation systems.

The second technology is Bio-metric technologies which provide access procedures that match every valid user with a unique user identification (UID). They also provide an authentication method to verify that users requesting access to the computer system are really who they claim to be.

All E-commerce authentication solutions technologies mentioned above are Multiproof products and services. The user or company can choose the best one that matches their vision, knowledge, and especially their budget.