

21

**A Report submitted in partial fulfillment
of the regulations governing the award of
the Degree of
BSc(Honours) Computing For Business at
the Northumbria University**

**Title: Certificate Verification System
For an Online Shoppers**

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Year : 2004/2005

Abstract

Purchasing product online has become a major trend and convenience to online buyers, but without proper security feature not many are willing to purchase products when it concerns about risking their personal details. Security is of the utmost importance when doing business on the Web. Customers will want to know that their information is protected when crossing data lines. Online Shopping is one of the ways modern shopping is done in this global modernization era, but still many customers out there are not willing to risk themselves.

Shopping online has been also open to many threats when it concerns about personnel details being forged and misuse with the advent of technology. Many companies are starting to feel unsecured of handling business online when that's the most convenient and cheaper approach to attain customers

Based on this scenario, a Certificate Verification System (CVS) is developed to enhance the online purchasing transaction by securing the customer details to motivate the users to purchases products online. This system is created using the Digital Signature Algorithm (DSA) whereby the customer is provided a private key to sign the purchase order made and upload it to the server/merchant to be verified as the right person of that particular transaction. This avoids the duplication of users and malicious users into the system.

The end product of this system will be that, it should to create a better relationship among the customer and merchant as the customer will be more comfortable to purchase the product because the merchant is dealing directly with his/her customer and providing an authentication tool required to run a safe online purchasing process.