THE DEVELOPMENT OF A SIMPLE AND EFFECTIVE DATA ENCRYPTION SYSTEM FOR E-COMMERCE APPLICATIONS
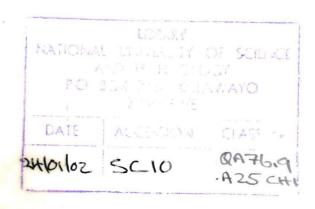
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Abstract

E-commerce is increasing rapidly and this has resulted in an increase in the number of frauds. This has made security one of the basic requirements for e-commerce. Strings which are attached to encryption software and the cost has prompted us to develop an encryption software. The system convert data into a stream of digits and when decrypting the system convert the stream of digits back to the original data using the key that was used for encryption. The system has several features of security. We hope the system will go a long way in the application of electronic commerce in especially in developing nations like Zimbabwe