

A STUDY ON STREAM CIPHER ENCRYPTION ALGORITHM AND AN IMPLEMENTATION OF A COMMUNICATION TOOL PROTOTYPE USING STREAM CIPHER ENCRYPTION TECHNIQUE

Prepared by: Goh Seng Shiou

ABSTRACT

A study on stream cipher algorithm will be carried out. Stream cipher is a symmetric encryption algorithm. The purpose this prototype is developed is to ensure that message sent would not be easily intercepted by any unauthorized people. Encryption is very important in the sense of privacy and security of the data can be achieved. Data which are to be sent will be encrypted before it is sent. After it is encrypted, it will need some decryption key to decrypt the data before the data can be read. Without the key, it is impossible to read the data. After the implementation of this prototype, benefit will goes to most of the users that involve in sending and receiving data.