

# **Implementation of Information Security System Using Rc4 and Blowfish**

**Aye Aye**

*University of Computer Studies, Mandalay*

[ayeayeucsm@gmail.com](mailto:ayeayeucsm@gmail.com)

## **Abstract**

*Computer security is an important field of study for most day-to-day transactions. Cryptography standards are needed to create interoperability in the transformation security world. Cryptography mechanism is based on the secret key (symmetric) and public-key(asymmetric) . This paper presents the implementation of information security system using RC4 and Blowfish and compares the performance of stream cipher and Block cipher with variable key length. It also investigates the performance and time consuming of RC4 and Blowfish symmetric key algorithms. A user can encrypt and decrypt several types of files such as text, image and sound files. When comparing the performance of two symmetric algorithms, RC4 is faster than Blowfish.*