

# **INTERNATIONAL JOURNAL OF COMPUTER ENGINEERING & TECHNOLOGY (IJCET)**

**ISSN 0976– 6367(Print)**

**ISSN 0976– 6375(Online)**

**Volume 4, Issue 3, May-June (2013), pp. 50-59**

**© IAEME: [www.iaeme.com/ijcet.asp](http://www.iaeme.com/ijcet.asp)**

**Journal Impact Factor (2013): 6.1302 (Calculated by GISI)**

**[www.jifactor.com](http://www.jifactor.com)**

## **BLOCK CIPHER ENCRYPTION FOR TEXT-TO-IMAGE ALGORITHM**

**Ahmad Salameh Abusukhon**

(IT Dept., Al-Zaytoonah University of Jordan, Amman, Jordan)

### **ABSTRACT**

The Internet is now providing many online services. These online services need both a client and a server to communicate with each other (this model is known as a client-server model). In this case, a client sends a request to the server and the server prepares the result and sends them back to the client. During the communication session, some sensitive data may be sent on both sides and thus it becomes necessary to protect the data from unauthorized users (known as hackers). One way to protect the data while sending them through the Internet is data encryption. The data encryption techniques are used to encrypt a given message into unreadable text using one or multiple encryption key(s). This way the user creates a secure path through the Internet making it difficult for hackers to guess the original text message. In previous work we proposed the Text-to-Image (TTIE) encryption algorithm and we analyzed the efficiency of this algorithm. In this paper, we propose the Block-Cipher TTIE (B-TTIE) algorithm.

