Abstract

Security is the most important issue from last few decades. Cryptography plays an important role in security. Encryption and Decryption came as a solution against security threats. There are so many proposed algorithms by researchers like AES, DES, RSA and many more but they are lacking somewhere in terms of security. Therefore cryptography demands such encryption and decryption algorithms which are real hard to crack. In this paper, an algorithm has been proposed based on ASCII values and binary operations for both encryption and decryption to enhance the security so that the attackers might not easily crack the logic to reach the original message sent via network.

References

2. Cryptography and Machine Learning Ronald L. Rivest* Laboratory for Computer Science
5. A Research paper: An ASCII value based data encryption algorithm and its comparison with other symmetric data encryption algorithms.

Index Terms

Computer Science Security

Keywords

ASCII, Binary, Encryption, Decryption, Symmetric Encryption Algorithm, Plain Text, Cipher Text