Abstract

In the data communication, the intriguing issue to provide data security and these led to comprise the many areas including the impregnable medium and trusted third party to maintain a database and various types of encryption techniques. These are main inducement of researchers in this area to protect the data from unauthorized users for malicious purpose. Therefore there are requires the different types of encryption and decryption techniques to secure the data. In the proposed paper, there are used the Tangent and Cotangent rules to generate the cipher and decipher at sending and receiving ends respectively. At the sending side, take the message alphabets which message want to communicate through electronic communication and find the corresponding values of alphabets from standard alphabetical table and apply the rules of Tangent. Find the corresponding values of Tangent of a particular alphabet and use this value as cipher at sending end. At the receiving end, there are taking the value of Cotangent of those particular receiving alphabets. Finally, get the value of same alphabets. This paper provides an algorithm as well as validates the proposed mechanism through UML Diagram.
References

- Sabareesan, Gobinathan, "Network Database Security Issues and Defense";
Implementation of Tangent and Cotangent rules to Provide Security in E-communication


Index Terms

Computer Science Security

Keywords

Tan x Cot x cipher/decipher e-communication UML.