Abstract

Cryptography is necessary for the security of the data which may in the form of text, audio and video. In general Symmetric and Asymmetric cryptographical methods are used for the above purpose. In which all types of data is converted into the binary number system. Due to non availability of the cryptographical system, hackers may have hack the data. For the strong security, various researcher have used RSA cryptosystem which is widely used in the digital signature. In the present paper, an extension of RSA cryptography is well explained for the three variables. An implementation of the proposed RSA system for three variables is demonstrated through the implementation of the Wiener’s extension. Various theorems with proof are given in the paper and implementation is given on the Aadhaar card based ATM system.

References

1. D. Boneh, “Twenty Years of Attacks on the RSA Cryptosystem”, Notices of the American

**Index Terms**

Computer Science  
Security

**Keywords**

Cryptography, Digital Signature, Hackers, Symmetric, Asymmetric