In today's world management of electronic documents is a very tedious job. As electronic documents are used for all the transactions the authentication of the document is very important. Digital signatures are the best methods to provide authenticity. Many existing schemes for digital signatures are proposed. In this paper a scheme which can be used to authenticate a group of members has been proposed. The proposed scheme uses RSA algorithm. The existing scheme provides group signatures which are static. But the proposed scheme is dynamic. It allows the group members to dynamically join the group and revoke the group. The proposed work is efficient and secure for electronic transactions and even for cloud environment where authenticity is essential.

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Index Terms

Computer Science Security

Keywords

Digital signature  group signature  authentication  RSA crypptography