



# Secure Data Sharing For Manifold Users in the Cloud

A.Mercy<sup>1</sup>, C.Hariram<sup>2</sup>

P.G Scholar, Department of IT, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur, India<sup>1</sup>  
Asst. Professor, Department of IT, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur, India<sup>2</sup>

**Abstract:** Cloud storage enables users to remotely store their data and enjoy the on-demand high quality cloud applications without the burden of local hardware and software management. Cloud computing has a character of low maintenance which will provide an effective solution to share resource among group of users in the cloud. Major problem in public cloud is how to share data's and documents based on fine grained access control policies, due to frequent change of the membership data sharing in dynamic groups to preserve data and identity privacy from a cloud which is a untrusted one is still a challenging issue. Encrypting the Document with different key such as Attribute Based Encryption and Proxy Re-Encryption has many draw backs. In this paper, we propose a privacy preserved multi owner data sharing scheme by leveraging group signature, signed receipts and Advance Encryption Standard techniques, any cloud user can anonymously share data with others. At the same time overhead in the storage and computation cost for encryption of our scheme for the number of users revoked are independent additionally, we also analyze schemes security with rigorous proofs.

**Keywords:** Cloud computing, Data sharing, Dynamic group, Group signature, AES.

