

LIGHT WEIGHT DATA SHARING SCHEME FOR MOBILE CLOUD COMPUTING

A project report submitted in partial fulfillment of the requirements
for the award of the Degree of

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

Submitted by

K.SRAVANI(16811A0541)

B.SIVA GOWRI NEELIMA(16811A0510)

B.JAYA MADHURI(16811A0512)

B.DURGA(16811A0514)

Under the esteemed guidance
of

Mr. N.V.ASHOK KUMAR(M.Tech)
Assistant Professor



Department of Computer Science & Engineering

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to JNTU Kakinada & Approved by AICTE)

TAMARAM, MAKA VARAPALEM, NARSIPATNAM-531113

VISAKHAPATNAM (DIST)

(2016-2020)

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to JNTU Kakinada & Approved by AICTE)

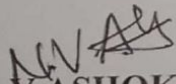
TAMARAM, MAKAVARAPALEM, NARSIPATNAM-531113VISAKHAPATNAM (DIST)

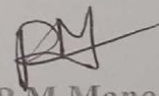


CERTIFICATE

This is to certify that the Project Report entitled "**LIGHT WEIGHT DATA SHARING SCHEME FOR MOBILE CLOUD COMPUTING**" being submitted by K.SRAVANI(16811A0541), B.SIVAGOWRINEELIMA(16811A0510),B.JAYAMADHURI(16811A0512),B.DURGA(16811A0514) in partial fulfilment of the requirements for the degree of B.Tech (C.S.E) in Department of Computer Science & Engineering, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY affiliated by Jawaharlal Nehru Technological University Kakinada, is a record of bonafide work carried out by them under my guidance and supervision.

The results embodied in this thesis have not been submitted to any university or institute for the award or any degree of diploma.


N.V.ASHOK KUMAR
Project Guide


P.M.Manohar
Head of the Department

External Examiner

ABSTRACT

Nowadays more and more data is stored and retrieved through Cloud Computing. With advancement there arises a problem in security. This means the data can be decrypted easily and the content being accessed by strangers and the privacy of the data will be lost. We have introduced a new algorithm known as "Cipher Attribute Based Encryption Algorithm" with symmetric key in our newly proposed light weight data sharing scheme for mobile cloud computing. Light weight in the sense, data with a fairly light storage capacity like files, audio clips etc. will be secured based on our proposed concept LDSS. The LDSS structure is modified and used as an access control in Cipher Attribute Based Encryption (CP-ABE). To reduce the user cost, it introduced attribute description fields to implement lazy revocation which is difficult in CP-ABE working systems. Everything in this operation might not be applicable in all mobile devices because the components are small and flexibility is less. The results from this paper show the issues related to data privacy have been solved in most cases for light weight data sharing scheme.