

A
Major Project Report
On
**DESIGNING A SECURE AND EFFICIENT BIOMETRIC
BASED SECURE ACCESS MECHANISM FOR CLOUD
SERVICES**

Submitted to
Jawaharlal Nehru Technological University, Hyderabad
in partial fulfillment of the requirements for the award of Degree of
Bachelor of Technology

in
Computer Science & Engineering

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Department of Computer Science & Engineering

2022-2023



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled “ **DESIGNING A SECURE AND EFFICIENT BIOMETRIC BASED SECURE ACCESS MECHANISM FOR CLOUD SERVICES** ” is submitted by **K. Shivani (196Y1A0553), A. Harika (196Y1A0503), G. Keerthana (196Y1A0541), K. Bhanusri (196Y1A0555)** in the partial fulfillment of requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering during academic year 2022-23.


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ABSTRACT

In current days cloud computing is providing great flexibility for the end-users to store and access a lot of valuable information to and from remote servers. As we all know that data is uploaded into the cloud is outsourced to a third party untrusted remote server, privacy for that data is almost a big problem for the enterprises. Hence in this current project, we try to add a new level of security for the cloud data by adding biometric authentication techniques like fingerprint images and then verify the user authentication based on the biometric images. Here we try to design a mutual authentication scheme based on bio-metric based secure access scheme for cloud computing to avoid the illegal data access by unauthorized users and in which this will be divided into two phases for providing security. In first phase the user is asked to choose bio metric authentication in the form of finger print images and in the second phase the owner can upload bio metric related data into the cloud server in a secure manner by encrypting the files using cryptography algorithms



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