

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesaraghatta Main Road, Bangalore-560057

Department of Computer Science and Engineering

Certificate



Certified that the project work entitled "IMPROVED TWO-FACTOR CONTROL

MECHANISM FOR CLOUD" carried out by AISHWARYA J (1SG13CS005), AISHWARYA C

(1SG13CS006), AKSHATHA S HEGDE (1SG13CS011), NAMRATHA S HEGDE (1SG13CS064),

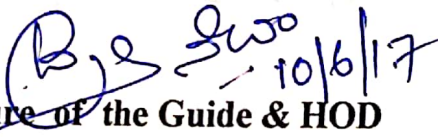
bonafide students of this institute, in partial fulfillment for the award of Bachelor of Engineering in Computer

Science and Engineering of Visvesvaraya Technological University, Belgaum during the academic year

2016-17. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated

in the report deposited in the department library. The project progress report has been approved as it satisfies the

academic requirements in respect of Project work prescribed for the said degree.


Signature of the Guide & HOD

Dr. Prashanth C.M

Professor & Head


Signature of the Principal

Dr. Aswatha Kumar M

Principal

Name of the Examiners

Signature with date

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ABSTRACT

A new improved two-factor authentication access control system for web-based cloud computing services are introduced. Specifically, in the proposed two-factor access control mechanism is implemented with the necessity of both a user secret key and a lightweight security device which is needed especially in scenarios where many users share the same computer for web-based cloud services. In addition, attribute-based control in the system also enables the cloud server to restrict the access to those users with the same set of attributes while preserving user privacy, i.e. the cloud server only knows that the user fulfills the required predicate, but has no idea on the exact identity of the user. Finally, we have carried out a simulation to demonstrate the practicability of our proposed two-factor system.