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 **"Public Auditing For Shared Data With User Revocation In a Semi Trusted Server"** carried out by **ANUNAY KANT (1SG11CS011), CHANDAN KUMAR (1SG11CS018), KUNAL KUMAR ROY (1G11CS038), MOHIT BHARDWAJ (1SG11CS044)**, bonafide students of **Sapthagiri College of Engineering**, in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during the academic year **2014-15.** It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

Signature of the Guide	Signature of the HOD	Signature of the Principal
Mrs. Arpitha S	Dr. C.M Prashanth	Dr. Aswatha Kumar M
Assistant Professor	Professor & Head	Principal
Dept of CS&E	Dept of CS&E	

Dr. Aswatha Kumar. M
Principal
Sapthagiri College of Engineering
No. 14/5, Chikkasandra,
Hesaraghatta Main Road,
Bangalore -560 057.

Name of the Examiners	Signature with date
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ABSTRACT

With data storage and sharing services in the cloud, users can easily modify and share data as a group. To ensure shared data integrity can be verified publicly, users in the group need to check whether the data is intact. For security reasons, once a user is revoked from the group, he is not granted access to the resources. Even if the user misbehaves in the cloud one is blocked. We propose a novel public auditing mechanism for the integrity of shared data with user revocation in mind. In addition, a public verifier is always able to audit the integrity of shared data without retrieving the entire data from the cloud. Moreover, our mechanism is able to support batch auditing by verifying multiple auditing tasks simultaneously.