

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 "DATA CONFIDENTIALITY AND USAGE ESTIMATION MODEL FOR CLOUD DATABASES THAT USES ADAPTIVE ENCRYPTION SCHEME" carried out by ACHIN SINDHAVA (1SG11CS002), ADARSH K(1SG11CS003), CHANNABASAPP (1SG11CS021), H Y PRAFUL (1SG11CS097), 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.

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ABSTRACT

The cloud database as a service is a novel paradigm that can support several tenant based applications, but its adoption requires the solution of information confidentiality problems. The model proposes a novel architecture for advanced encryption of public cloud databases that offers an interesting alternative to the trade-off between the required data confidentiality level and the flexibility of the cloud database structure. The model demonstrates feasibility and performance of the proposed solution through a software prototype. The model also proposes an original usage estimation model that is oriented towards the evaluation of cloud database services that has used by the tenant.