**KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY**

**INDIAN INSTITUTE OF SCIENCE CAMPUS, BANGALORE-560012**

KSCST

***A PROJECT REPORT ON***

# "*Cloud Data Retrieval for Multi Keyword Based on Data Mining Technology*"

## PROJECT PROPOSAL NUMBER: 38S0222

*Submitted by*

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# ABSTRACT

Cloud computing has emerging as a pattern for data outsourcing and it provide high-quality of data services. It concerns of very sensitive information on cloud and it causes potentially privacy problems. Encryption protects data security to some level, but at the cost of compromised efficiency. Searchable symmetric encryption (SSE) going allows retrieval of encrypted data above cloud. Here focus on addressing data privacy problems using SSE. For the first time, formulate the privacy issue from the characteristic of similarity relevance and scheme robustness. Here observe that server-side position based on order-preserving encryption (OPE) inevitably disclosures data privacy. To eliminate the leakage, I propose a two-round searchable encryption (TRSE) scheme that supports multikeyword top-key retrieval. In TRSE, Employ a vector space model and homomorphic encryption. The vector space model helps to provide sufficient search correctness, and the homomorphic encryption enables users to involve in the ranking while the major of computing work is done on the server side by operations only on ciphertext .As a result, the information leakage.

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