# Multimedia Data Aggregation and Efficient query search in Participatory Sensing Systems

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## ABSTRACT

Participatory sensing is an emerging computing paradigm that enables the distributed collection of data by self-selected participants. It is used in mobile devices, such as smart phones, for distributed data collection, exchange, analysis, and sharing. The participatory sensing has a number of challenges. One of the major challenges is on privacy preservation. Another major challenge is the multiplicity of sensing data. To overcome these challenges the SLICER Technique is used, based on k-anonymous privacy preserving scheme, working on application layer, for participatory sensing with multimedia data. The data are transferred by using two kinds of data transfer strategies namely, Transfer on Meet up (TMU) and Minimal Cost Transfer (MCT).  But it provides only the privacy and efficient data transfer. It doesn't provide efficient query process and also doesn't consider about mobile node battery power, storage space and communication bandwidth. So, the secure and efficient query processing (SafeQ) algorithm is used to Improve our query search over remote location and a trusted ID is created so that the Service provider can identify the registered user and reveal the data to the user concerned.

**KEYWORDS:** Participatory sensing, Privacy Preservation, K-anonymous, SafeQ Algorithm