**SYSTEM ANALYSIS**

**3.1EXISTING SYSTEM:** we look at the problem of constructing a secure cloud storage protocol for dynamic data (DSCS) from a different perspective. We investigate whether we can construct an efficient DSCS protocol using an SNC protocol. In a previous work, Chen et al. [16] reveal a relationship between secure cloud storage and secure network coding. In particular, they show that one can exploit some of the algorithms involved in an SNC protocol in order to construct a secure cloud storage protocol for static data. However, their construction does not handle dynamic data — that makes it insufficient in many applications where a client needs to update (insert, delete or modify) the remote data efficiently. Further investigations are needed towards an efficient DSCS construction using a secure network coding (SNC) protocol.

Network coding techniques have been used to construct distributed storage systems where the client’s data are disseminated across multiple servers. However, they primarily aim to reduce the repair bandwidth when some of the servers fail. On the other hand, we explore whether we can exploit the algorithms involved in an SNC protocol to construct an efficient and secure cloud storage protocol for dynamic data (for a single storage server).

**Disadvantages:**

1. A client having a smart phone with a low-performance processor or limited storage cannot accomplish heavy computation or store large volume of data. Under such circumstances, she can delegate her computation/storage to the cloud server. Secure cloud storage protocols enable a client to check integrity of outsourced data.
2. For static data, the client cannot change her data after the initial outsourcing (e.g., backup/archival data)
   1. **PROPOSED SYSTEM:**

Our major contributions in this work are summarized as follows.

We explore the possibility of providing a generic construction of a DSCS protocol from any SNC protocol. We discuss the challenges for a generic construction in details and identify some SNC protocols suitable for constructing efficient DSCS protocols.