### IMPLEMENTATION

Implementation is the stage of the project when the theoretical design is turned out into a working system. Thus it can be considered to be the most critical stage in achieving a successful new system and in giving the user, confidence that the new system will work and be effective.

The implementation stage involves careful planning, investigation of the existing system and it’s constraints on implementation, designing of methods to achieve changeover and evaluation of changeover methods.

**Main Modules:-**

1. **User Module :**

In this module, Users are having authentication and security to access the detail which is presented in the ontology system. Before accessing or searching the details user should have the account in that otherwise they should register first.

1. **Fully Homomorphic Encryption:**

Previous homomorphic encryption schemes, such as, allow homomorphic computation of only one operation (either addition or multiplication) on plaintexts.

Recently, FHE schemes, such as which can support evaluation of arbitrary depth circuits, were successfully constructed. Among them, the somewhat fully homomorphic encryption scheme proposed by 1. KeyGenenation 2. Encrypt To encrypt 3. Decrypt.

**3.Construction :**

In our protocol for disjunctive threshold queries is composed of four algorithms KeyGen, FilterGen, FilterExec, BufferDec. Our construction is based on a fully homomorphic encryption scheme and can be formally presented as follows.Key Generation. KeyGenðkÞ. Run the key generation algorithm for the underlying fully homomorphic encryption scheme to produce the private key sk and the publickey pk.

**4. Performance-Analysis:**

We have presented two basic constructions for threshold query based on keyword frequency. They are disjunctive and conjunctive. In our disjunctive construction, the client can pregenerates the public/private key pair. In addition, the client needs to encrypt the frequency of each classified keyword in the phase of the filter program generation and to decrypt the buffer IB to retrieve the matching documents after the buffer returns. If we do not consider the key generation, the total computation complexity of the client is encryptions to generate the program F and decryptions to retrieve the matching documents from the buffer, where jDj is the number of words in the dictionary D, 2d is the maximal number of words contained in each document, ‘is the number of bits of each document, and mis the maximal number of matching documents in the buffer