IMPLEMENTATION

* **Service Provider**

In this module, the Service Provider sends their file to the particular receivers. For the security purpose the Service Provider encrypts the data file and then store in the network central locations (NCL 1, NCL 2 and NCL 3). The Service Provider can have capable of manipulating the encrypted data file. The service provider will send the file to particular receivers.

* **Router**

The Router manages a multiple nodes to provide data storage service. In Router n-number of nodes are present, before sending any file to receiver energy will be generate in a router and then select a smallest energy path and send to particular receivers. Service Provider encrypts the data files and stores them in the network central locations for sharing with data receivers. To access the shared data files, data receivers download encrypted data files of their interest from the Network Central Location and then decrypt them.

* **Network Central Location**

All uploaded files are stored in Network Central Locations (NCL 1, NCL 2 and NCL 3), via network central locations file will send to particular receivers. Receiver has request the file to router, then it will connect to NCL and check the file in network central locations & then send to receiver. If the requested file is not present in network central locations then response (file is not exist) will send to receiver. The receivers receive the file by without changing the File Contents.

* **Receiver (End User )**

In this module, the receiver can receive the data file with the encrypted key to access the file. The Receiver has request the file to router, it will connect to NCL and check the file in all network central locations & then send to receiver. If receiver enters file name is not present in all network central locations then the receiver is getting the file response from the router and also shows delay of time in router. The receivers receive the file by without changing the File Contents. Users may try to access data files within the network only.