**Modules**

**Data Owners**

In this module, the data owner uploads their encrypted patient data in the Cloud server. For the security purpose the user encrypts the data file and then store in the server. The owner can have capable of manipulating the encrypted data file and performs the following operations such as Upload Blocks, Data Auditing By Blockchain, Update Block, Delete File, View Uploaded Blocks.

**Cloud Servers**

The **Cloud** server manages which is to provide data storage service for the Data Owners. Data owners encrypt their data files and store them in the Server for sharing with data consumers and performs the following operations such as View Data Owners, View End Users, View Uploaded Data,View Data Request,View Transactions,View Attackers,View Results,View Time Delay Results,View Throughput Results.

**End User**

In this module, the user can only access the data file with the secret key and can do the following operations like Request Data, View Data Response, Create Blockchain & Download Data.

**DTP**

In this module, the DTP Server performs the following operations such as Request Data,View Data Response, Create Blockchain & Download Data.