**IMPLEMENTATION**

* **Data Owner**

In this module, the provider requests for symmetric encryption key permission from OWNER and upload the patient details in ABE with the key and also Upload Patient Details,View Uploaded Patient Details.

* **Data Consumer**

In this module, consume register and logs in and do following operations such as Search Patients On Cloud,Request Secret Key,Secret Key Response.

* **CLOUD SERVER**

The Cloud Server authorizes both user and owner, view all the uploaded patient details and give the access control permissions to the corresponding requested user. View the response from the OWNER about the key requested. After will do following operations such as View Data Owners and Authorize,View Receivers and Authorize ,View Patient Details,View Transactions Details,View Search Details,View Secret Key Response Details,View Attacker Details,View Keyword Used Results,View Attacker Count Results.

* **Registry Authority**

In this module, the Registry Authority will generate the key requested by User. And also View Secret Key Request,View All Attackers.