**SEQUENCE DIAGRAM**

**Cloud Service Provider**

**PKG**

**user**

**Data Owner**

Register and Login, Attackers, Upload Meta data

Upload File, View Files,

Request secret key

Verify data(Verifiability),

Gives secret key

View and Delete Files

View All Transactions.

Searching file based on Keyword

Login, View and Authorize Users,

Search response

Request Access Permission

Access permission Response

Register and Login, My Profile, View Files,

View and Authorize Owners, View Files View All Search Transactions,

Search response

View All File Transactions, View All Top Searched, View Attackers,

Login,

View Files and Generate Key.

Search Files, Search Ratio

Top K Search, Req Search Control.

Search Requests, View Time Delay, View Throughput.