DECENTRALIZED CLOUD STORAGE

AIM:

Combining cloud and blockchain technologies, The storage is made secure and scalable. The major goal is to create a system that takes advantage of the security of cloud-based data and applies it to the blockchain. It enables users to save data to the cloud and includes a conspicuous access control mechanism to maintain data privacy.

TOOLS AND TECHNOLOGY USED:

- Ethereum
- Solidity
- Truffle
- Ganache
- Metamask wallet
- IPFS
- React JS
- Html
- CSS
- VSCode

CREATE A PROJECT FOLLOWING COMMANDS ARE USED:

- npm install -g truffle
- truffle --version
- truffle init

COMPILE AND RUN CMD:

- truffle compile (compile contract folder)
- truffle migrate
- cd client(select react js file)
- npm start

RESEARCH WORK:

- Implement to connect wallet and IPFS.

DIFFICULTIES:

- Having difficulties in getting the document related to the project to implement model.

Conclusion:

     Decentralized cloud storage is secure and scalable. Overall, It is possible that we can use BlockChain Technology to the decentralized cloud storage.