**TECHNOLOGY USED**

* Block chain and cryptocurrency
* Platform used – Ethereum or Hyperledger
* Language used – JavaScript, c++ , python

**WHAT IS BLOCKCHAIN**

* **The blockchain** is a decentralized ledger of all transactions across a peer-to-peer network. Using this technology, participants can confirm transactions without a need for a central clearing authority.
* Potential applications can include fund transfers, settling trades, voting and many other issues.
* **Decentralized:** Blockchain is said to be decentralized because there is no central authority supervising anything.
* **Consensus Mechanism:** The mechanism by which a decentralized network comes to a consensus on certain matters.
* **Miners:** Users who use their computational power to mine for blocks

**OBJECTIVE**

* Decentralized vault, like Digi locker.
* Which will store documents which are mostly used by organizations to verify the identity
* All the information about who have viewed it and when, will be stored in blockchain.
* Immutable, secure, can be verified by the other nodes.

**APPLICABILTY**

* Don’t need to take all the documents all the time for interview purposes.
* Companies, government sectors, institutions and other organizations can verify and authenticate the identity.
* Can be used in police stations for keeping records and stopping frauds,

So that everyone can view it but cannot change the information or temper with evidence.

* Can be used to store financial records, stock market details etc.
* Can be used in health care organizations for storing patient’s information.
* We can also implement it in such a way so that it can be used in multiple platforms.