Aim:Write a Jurvey report on types of blockchain and its real time use cases.

## Objectives:-

2) Understand the types of blockchain.

## Requirements:-

Report on types of blockshoin

## Theory:-

Blockchain concept was introduced with the Bitcoin white paper to solve the double -spending problem, when executing a transaction over a communication medium without relying on a trusted third party like a financial institution or a bank. First public blockchain behind Bitcoin was developed with a specific set of functionality in mind, namely decentralized currency and peer-to-peer electronic cosh applications

Therefore, Bitcoin blockchoin was practically difficult to customize and had very low programmable support using a scripting system called Script for other purposes. Vitalik Bunerin noticed this difficulty and introduced Ethereum blockchain platform with a built-in turing complete

programming language allowing any one to write programs colled smort contracts can run decentralized applications.

Types of Blockchain:

1) Public Blockchain:

Public blockchains are permissionless in noture allow anyone to join, and are completely decentralized.

Public blockchains allow all nodes of the blockchain to have equal rights to access the blockchain, create new blocks of data and validate blocks of data

2) Private Blockchain:

Private blockchains, which may also be referred to as managed blockchains, are permissioned blockchains controlled by a single organization. In a private blockschain, the central outhority determines who can be a node.

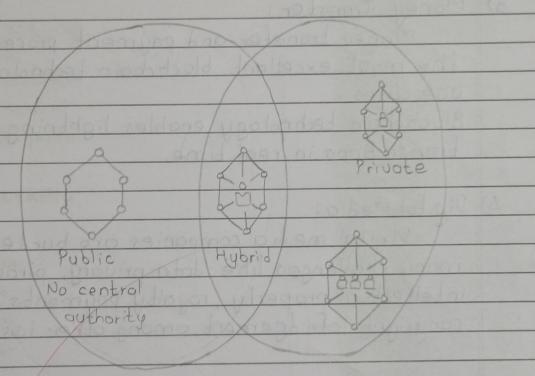
3) Consortium Blockchain:

Consortium blockchains are permissioned blockchains governed by a group of organizations, rather than one entity, as in the case of private blockchoin

More decentralization is there.

4) Hybrid Blockchoin:

Hybrid blockchains are blockchains that are controlled by a single organization, but with a level of oversight performed by the public blockchain.



Doe Cases :-

1) Smart Contracts:

smart contracts are blockchain-based contracts enforced in real time.

They are created as an agreement between two or more parties without the involvement of any intermediary

Use cases:

- i) Burst JQ Chealthcare)
- i) Propy creal estate)

2) Internet of Things (IOT):

The JoT industry is growing rapidly with billions of connected devices.

The latest forecasts suggest that by 2030, there'll be 50 billion devices in use globally.

3) Money Transfer and payment processing are
the most excellent blockchain technology
use cases.

Blockchain technology enables lightning-fast

Blockchain technology enables lightning-fast transactions in real time.

4) Digital media:

Digital media companies are burdened with many challenges like data privacy, piracy of intellectual property, royalty payments and copyright infridgement among other issues.

Conducion:
Hence we studied about the types of blockchain and its real time use cases.