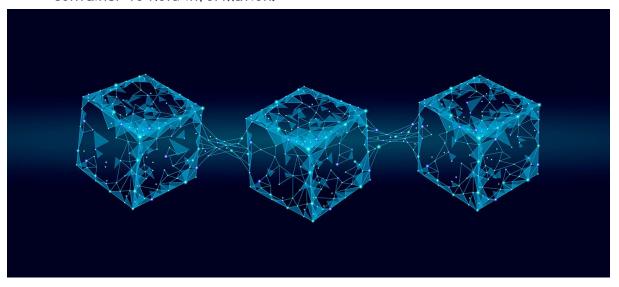
ASSIGNMENT 1

1. What is your understanding of Blockchain?

- To put it in simple terms "Blockchain" is just a bunch (Collection) of blocks that are chained (linked) together using Cryptography (An Encrypting Methodology).
- Each Block holds transactional details (Confidential data), it acts as a container to hold information.



2. What is the Core problem Blockchain is trying to solve?

It addresses the following problems:

- Data Integrity: The information remains complete, accurate, and reliable.
- Authenticity: Protects against critical cyber attacks such as phishing, man-in-the-middle, replay attacks etc.
- Data Security: Ensures that your data is encrypted.
- Centralization issues: Doesn't rely on a single central server making it immune to data crashing.
- Trust: Develops trust among its members.

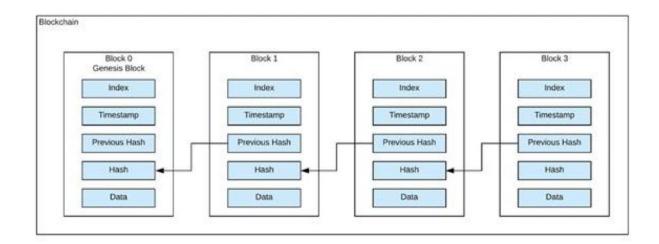
3. What are the few features that Blockchain will give us?

Some of the features that Blockchain provides u are :

- Immutability: Resistant to data modification
- Decentralisation : Has a decentralised server
- Distributed Ledger: Every node has its own server
- Data Transparency: Is visible to everyone

• Hack Proof : Is very safe and secure

4. What all things does a Block contain?



5. How is the verifiability of Blockchain has been attained?

It attains verifiability by following a set of procedures which addresses all the four common concerns of a public peer-to-peer network (Confidentiality, Integrity, Non-Repudiation, Authenticity) making it very immune to hacking and data breaching.
