

Assignment I

Name: Teng Soksereyvathna

Class: C-6 Afternoon

Subject: Blockchain Technology

Write a short reflection (200–300 words) on the topic: “Why Digital Identity on Blockchain?”

In today’s digital world, keeping our personal information safe is very important. Traditional ways of proving who we are by using passports, ID cards or paper certificates are not secured because they can be lost, stolen, or faked and can lead to fraud and identity theft. Therefore, Blockchain technology offers a better way to manage digital identity that is more secure and trustworthy.

Blockchain is a special kind of database that stores information in a way that cannot be changed or tampered with. It is also decentralized so no single person or company controls it. Once your identity is stored on the blockchain, it becomes very hard to forge or alter identity documents.

In real-world use cases, blockchain-based digital identities could transform how we handle sensitive documents. For example, passports stored on a blockchain could be verified instantly at airports which reduce the risk of forged documents and speeding up border control. Academic certificates could be issued directly to students on the blockchain so that employers can verify qualifications without contacting institutions. In healthcare, patients could control their medical records and share them securely with doctors in order to prevent unauthorized access or tampering.

In conclusion, using blockchain for digital identity gives people more control over their personal data. It also helps businesses and governments reduce fraud and save time. As digital interactions continue to grow, having secure digital identities will become very important. Blockchain can increase trust and simplify verification processes across various sectors.