**Blockchain- Day 1 Assignment**

1. **What is your understanding of Blockchain?**

Blockchain is a simply database that is distributed among a community of members, all the participants work together to maintain the log of entries.

A blockchain is an ever lengthening chain of blocks of data. Each block contains a record of a transaction that is locked in chronological order and secured using cryptography. Once added, records are in effect permanent and immutable. They cannot be lost or denied.

1. **What is the core problem Blockchain trying to solve?**

* Cloud Storage
* Real Estate
* Charity
* Voting
* Intellectual Property
* Government Operations
* Supply Chain Management
* Cross Border Payments

1. **What are the few features which Blockchain will give you?**

* Decentralized Technology
* Enhanced Security
* Distributed Ledgers
* Faster Settlement
* Cannot Be Corrupted

1. **What all things does a Blockchain contains?**

* Block Number
* Transaction Records
* Previous Block Signature
* Mining Key

1. **How is the verifiability of Blockchain has been attained?**

Blockchain is a verifiable, anybody can check all of the transactions and hashes all the way back to the genesis block, and if any attempt to change anything is made, the hash values will change and verification will fail.