**Day 1 Assignment**

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

**Ans.** A decentralised form of storing data in form of “blocks” which is present on multiple computers and each new data i.e block is linked to previous block forming a chain thus giving the name Blockchain.

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

**Ans.** At a core or basic level Blockchain solves the problem of Data Security or in general terms “trust” as the data is publicly distributed.

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

**Ans.**

i. Decentralised

ii. Immutable

iii. Data Transparency

iv. Higher security

v. Verifiability

1. **What all things does a Block contain?**

**Ans.** A block is made up of the digital information and each block contains records of all recent and past transactions.

1. **How is the verifiability of blockchain attained?**

**Ans.** Transactions can be traced back to the first block as each block is linked to its previous block and thus it can be verified. It is not possible to change any of the information contained in any block as it has its own fingerprint and also the fingerprint of its previous block, so if any information is altered the fingerprint changes.