**Day 1:**

**1) Understanding of Blockchain:**

Blockchain is the technology which ensures security, transparency, tamper-proof and confidentiality of data. It also confirms the identity of individuals and gains the trust of the users. It is implemented using Distributed Database and Cryptography.

**2) Main problem solved:**

Blockchain came into existence after the international crisis in 2008. It tried to eliminate the intermediaries and provide a secured end-to-end transaction making hacking impossible.

**3) Features:**

* Verifiable
* Tamper proof
* Immutable
* Transparent
* Decentralized

**4) Block contents:**

* Block number
* Transaction records
* Previous block signature
* Mining key

**5) Verifiability:**

If the block hash key is same across all the users of the network, the data is right. If there is a discrepancy, then the users can find where the change has occured and that’s how the data is verified in Block chain technology.