**01/08/2023**

* Introduction to Block Chain
* Banking Structure
* Centralized system
* Distributed System
* De-Centralized System

**03/08/2023**

* Proof of work Mechanism
* Bitcoin is a first application if the Block-chain
* Verifier are the all connected peer’s in the blockchain network
* 51% peers verification is considered as a valid transaction
* Once the transaction is entered in a ledger it cannot be deleted and modified
* Distributed ledger is shared with every one
* CIA
  + Confidentiality
  + Integrity
  + Availability
* Attacks
  + Passive Attack
  + Active Attack
* Byzantine general problem and Byzantine fault
* Encryption
  + Symmetric encryption
  + Asymmetric encryption