

## Topic 2 : **Virtualization Technology**

Relevant Course: Cloud Computing

Relevant Department: Computer Engineering;

Relevant Semester: 7th or 8th Semester of 4 year B.Tech programme

Prerequisite: Course on Operating Systems

Reference : Yet to be decided

Topic Description :

- CPU Virtualization
  - Binary Translation
  - Para Virtualization
  - Hardware Assisted Virtualization
- Memory Virtualization
  - I/O Virtualization
  - Storage Virtualization
- Software Defined Storage
  - HDFS : Hadoop Distributed File System.
- Network Virtualization
  - Software Defined Networks