**Intro to Operating System**

* **Definition**

A program that acts as an intermediary between the user and the computer hardware

* **Computer System Structure**
  + Computer system can be divided into four components:
    - Hardware
    - Operating System (OS)
    - Application Programs
    - Users
* **What Does Operating System Do**
  + Depend on the point of view:
    - User
    - Software Programmer
    - OS Designer
* **OS Structure**
  + **Multiprogramming System**
    - Several jobs ready for execution are gathered in a pool
    - Several ready jobs will be collected in the main memory and then prioritized
    - If the job being executed is waiting for several tasks
    - The Operating System’s task is to handle the process transition
  + **Time Sharing System**
    - Also known as multitasking allows multiple user to use a computer simultaneously by dividing CPU processing time into smaller parts
  + **Multiprocessing System**
    - The system has more than one processor to run one or more program using buses , clocks and memory

**Summary**

The Operating System subject, intro to the concept of Operating System, seek to define and give further explanation about Operating System as a concept of its operation. The Operating system acts as intermediary to a hardware system. The Operating System it self is a component to a computer system structure. Depends on its user, the use of an Operating System may vary. Operating System have several structure with its own advantage and/or disadvantage.