**MIS 105 LECTURE 1**

**CHAPTER REFERENCE – CHAPTER 1**

**Lecture Topic**

**Introduction to Computer Hardware**

**Keywords**

* **Computer** – A computer is an electronic device, operating under the control of instructions stored in its own memory, which can accept, store, process, and output data according to a set of specified rules.
* **Data** – Streams of raw facts that are more comprehensible by computer systems.
* **Information** – Data that has been organized and arranged in a form that is easy for people to understand.
* **Input/Output** – Computers process INPUT- data into information – OUTPUT according to specific instructions.
* **Information processing cycle** – The process of input, output and storage activities is referred to as the information processing cycle. Communication between computer and information systems is also a part of the information processing cycle.
* **Input Device** – Any hardware component that allows a user to enter data and instructions into a computer system.
* **Output Device** – Any hardware component that is used to convey information.
* **Communications Device** – Any hardware component that enables a computer to send and receive data, instructions and information to and from one or more computers.
* **System Unit**  – The system unit is the actual case that contains the electronic components of a computer that are used to process data. CPU – Central Processing Unit/Processor.
  + **Motherboard** – Every piece of hardware inside the System Unit/CPU is connected to a circuit board called the Motherboard.
    - Processor – The main electronic component that interprets and executes the basic instructions that operate the computer.
    - Memory – The electronic component that stores instructions waiting to be executed and data that is needed by those instructions
  + **Storage Device** – Storage holds data, instructions and information for future use.
    - Permanent and temporary Storage Devices.
  + **Power Supply** – The electronic component that powers the computer system.

**Discussion**

* Advantages and disadvantages of using computers
* What are the advantages of using computers?
* What are the disadvantages of using computers?