NETWORKING & SYSTEM ADMINISTRATION LAB

Name:

Roll No:

Batch:

Date:

Experiment No.: 1

Aim

Identify the major components of a computer system such as

- Motherboard

- RAM modules

- Daughter cards

- Bus slots

- SMPS

- Internal storage device

- Interfacing ports

Procedure

Mother board

Mother board is simply a circuit board which connects all the hardware resources to the processor of a computer. It distributes the power supply to the needed components. It holds and allows communication in between the components of a system such as Central processing system, memory and other peripherals. Motherboard has extension capacities. We can add necessary components to a motherboard, it can include peripherals, interface cards, daughterboards, sound cards and video cards etc.

RAM Modules

RAM is short for Random Access Memory. It is a printed circuit board on which memory integrated circuits are mounted. RAM are of two types 1.Static RAM 2.Dynamic RAM.

RAM is a very important component in computer system it can be used a place to store and access data on a short term basis. It stores information your computer is actively using so that it can be accessed quickly.
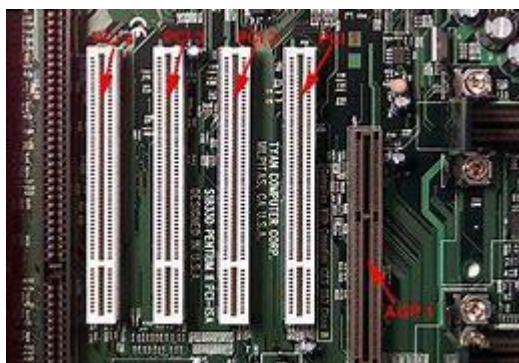

Daughter cards

A daughter card is a circuit board that can be plugged into motherboard. Basically it is an extension of motherboard. Nowadays these cards are not used too often. These cards are replaced by inbuilt features. Examples of daughter cards are sound card,video cards etc.

Bus slots

Bus slot is a connection or port inside a computer on the motherboard or riser card. It provides an installation point for a hardware expansion card to be connected.

SMPS

It is an electronic circuit that converts power using switching devices that are turned on and off at high frequencies, and storage components such as inductors or capacitors to supply power when the switching device is in its non-condition state.

Internal storage device

These devices store virtually all programs and applications on a computer, including the operating system, device drivers, applications and general user data.

Interfacing ports

A connection point that acts as interface between the computer and external devices like mouse, printer, modem, etc. is called interfacing ports.