**OPERATING SYSTEM**

An operating system is the fundamental basis of all other application programs. Operating system is an intermediary between the users and the hardware. It controls and coordinates the use of hardware among application programs. The major services of an operating system are:

Memory management- Disk access- creating user interface- managing the different programs operating parallel likewise, it controls and manage the hardware’s working.

**Applications of operating system**: the following are the major of an operation system

-An operating system is accountable for the formation and deletion of files and directories.

-An operating system manages the process of deletions, suspension, resumption, and synchronization.

-An OS manages memory space by allocation and de-allocation.

-An OS stores, organizes, and names and protects the existing files

Further it manages all the components and devices of the computers system including modems, printers, plotters, etc.

**Types of operating system:** the following are the major sorts of operating system

***1-Disk Operating System (DOS):*** it is one of the oldest and widely used OS. DOS is a set of computer programs.

* **Features of DOS**

-It is a single user system. - It manages input and output system.

-It controls program. - It manages (computer) files and memory.

- It is machine independence. - It provides command processing facilities.

***2-Windows Operating System:*** the operating system window is the extension of the disk operating system. It is the most popular and simplest operating system; it can be use by any person who can read and understand basic English, as it does not require any special training.

***3-Unix Operating System:*** it is the earliest OS developed in 1970s and the following considerable points are related to the UOS:

-It has multitasking features. –It runs practically on every sort of hardware and provides stimulus to the open source movement.

- It has comparative complex functionality and hence an untrained user cannot use it; only the one who has taken training can use this system.

- It has multiuser computer operating system.