## Security management.

My means of passport and other similiar technique O|s prevents unathorised access to program and data.

## Device management

An O/S manages device communication with help of their drivers called I/O channel. It keep track of all the device program responsible for this task is known I/O controller.

allocation & deallocation of these devices is done by operating system. O/s decides which process will get device when and for how much time.

## File management

A file management system is normally organised into directories for easy navigation and usage. These directory may contain files and other directories also. (h INODE, FAT32 (File allocation technique).

It keeps of information like name of file, location, date of created, date of modified (updated), size, permissions and etc. The collective facility are often known as file system. O/s decides who get the resources.

*run head write* ←

is in used and what part is free. In multiprograming the O/S keeps track decides which process will get how much m/m and when.

allocation and deallocation of memory when a process request it or no longer needs it is managed by operating system.

## Process management

In multiprograming enviroment O/S decides which process will get processor when and for how much time. The function is called process stabiling. An O/S does the following activities for process management, it keeps track of processor and status of process.

It allocates and deallocates a

# Operating System
## Overview

OPERATING SYSTEM

It is an interface b/w user & hardware which allows us to use excess hardware effeciently & effectively. It provide various services which are essential for the working of a computer system

Some of services are as follows :-
1. Memory management
2. Process management
3. File management (Disk management)
4. Device management
5. Security & performance analysis

Memory management
Management of memory refers to management of RAM. Operating system keeps track of available space in main memory i.e what part of it