OPERATING SYSTEMS – Major Features OS Functionalities (technical) – Course Modules

- Process Concept Process Management System Calls fork(), etc. Processing; Multiprogramming; Multi tasking; Multiprocessing
 - Multithreading Threaded Execution of Processes POSIX library, pthreads, thread scheduling ,etc.
 - > Inter Process Communication (IPC) exchange of data across processes, pipe(); SHM, etc.
 - > Process / Thread Synchronization semaphores, monitors, ...
 - > Memory Management paging, segmentation, virtual memory, etc.
 - > Device Management IO Read, Write system calls etc.

PROCESS CONCEPT - Intro

PROCESS NOTION

- > Program in execution- Programs RUNS!!! understand the terminology!
- >Active Program (Process) v/s Binaries-Exe's on HDD (passive!)
- >Program here is not Source Code!
- > Phases of PROGRAM Development (BINARY)

