18 19	Page No. Date
18114	Operating System
	MODULE -1: Introduction to Operating system
1.	Introduction: Defination, evalution, types of Os,
2.	Operating System Sources: Process management, networky 2.
3.	System Calls: Introduction, types of system calls.  API (Application Programming Interface)
4.	System Structure: Layered architecture, monolitie mino kurnel architecture.
	Modul E-2: Process Management
44	Process Concept: Process defination process states,  Process Control block (PCB)
9.	Process Scheduling: Premptive Vs. non-premtive Scheduling algorithms (FCFS, SJF) Priority, Round Robin).
3.	Inter-process Communication (IPC): Shared memory, may passing, semaphores, mutexes
4,	Process Synchranization: (ritreal section problem, Semaphores mutexs, monitor.

Memory Management MOLDULE-3 Memory Management Techniques: Contagious allocation, paging segimentation Virtual Memory: Adress space and memory space, demand paging, page replacement, alongtons
(FIFO), (RU, optimal). Causes, detection, and prevention Memory Proceeding Protection - Memory segementation and paging for protection, memory accus control. MODULE-4: File System Management 1. File munagement System Concept: File Organisaction, directary structure, aux control mechanism. File System Implementation: Indexed allocation, linked allocation, i-nedes. Guating, deleting, opening, dosing, reading writing, ruking 3. File System Operation: FCFS, SCAN, C-SCAN, sechduling alogrithms. 4. Disk Scheduling

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	Application - Conhols and a vaidinate out of hardware among various application and aver a surface the ways incohich the system of the ways incohich the system of the ways incohich the compating parablem of the wast.
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system calls: The operating system of system calls that enable applied with the O.S and aren its resources	provides a set
with the O.S and aren its resources	
4. The Kernel in the core component of p's	that acts as
abridge between the o.s. and computers'	s hardware.
Case Study	of should
The main types of operating system are	elibert will