

GANDHI ACADEMY OF TECHNOLOGY AND ENGINEERING				
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING				
LESSON PLAN				
DISCIPLINE:-CSE				
SEMESTER:-4th	FROM DATE:-04.02.2025		TO DATE:-17.05.2025	
Name of Teaching Faculty: Subhashree Panigrahi				
SUBJECT:-Operating System				
NO .OF PERIOD/PER WEEK CLASS ALLOTTED:-4				
TOTAL NO. OF CLASS AVAILABLE IN SEM :-57				
SL NO.	WEEK	CLASSDATE	NO. OF CLASS/DAY	TOPICS
1	Week-01	04.02.2025	1	Introduction to OS, Objectives & Functions
		05.02.2025	1	Evolution &Structure of OS
		07.02.2025	1	Evolution &Structure of OS
		08.02.2025	1	Types of OS
2	Week-02	10.02.2025	1	Process concept & PCB
		12.02.2025	1	Interprocess Communication
		14.02.2025	1	Process of job scheduling
		15.02.2025	1	Process synchronization
3	Week-03	17.02.2025	1	Semaphore
		19.02.2025	1	Types of scheduling
		21.02.2025	1	Scheduling algorithms-FCFS, SJF
		22.02.2025	1	Scheduling algorithms- SRTF , Round Robin
4	Week-04	24.02.2025	1	Scheduling algorithms- Priority
		27.02.2025	1	Principle of concurrency
		28.02.2025	1	Memory allocation techniques
5	Week-05	03.03.2025	1	Swapping, Paging
		05.03.2025	1	Segmentation
		07.03.2025	1	Virtual memory, Demand paging

		08.03.2025	1	Page fault handling
6	Week-06	10.03.2025	1	Techniques of device management
		12.03.2025	1	I/O schedule
		14.03.2025	1	Spooling
7	Week-07	17.03.2025	1	Concept of Deadlock
		19.03.2025	1	Deadlock detection & methods for handling it
		21.03.2025	1	Resource allocation graph
		22.03.2025	1	Deadlock prevention
8	Week-08	24.03.2025	1	Banker's algorithm
		26.03.2025	1	Banker's algorithm
		28.03.2025	1	Safety algorithms
		29.03.2025	1	Safety algorithms
9	Week-09	02.04.2025	1	Resource request algorithm
		04.04.2025	1	Resource request algorithm, Deadlock recovery
		05.04.2025	1	File organization
		07.04.2025	1	Directory & file structure
10	Week-10	07.04.2025	1	Sharing of files
		09.04.2025	1	File access methods
		11.04.2025	1	File access methods
		12.04.2025	1	Allocation of disk space
11	Week-11	16.04.2025	1	File protection
		18.04.2025	1	Storage management
		19.04.2025	1	Storage management
12	Week-12	21.04.2025	1	Concept of system programming
		23.04.2025	1	Concept of system programming
		25.04.2025	1	Application compiler
		26.04.2025	1	Process of compiler

13	Week-13	28.04.2025	1	Process of compiler
		30.04.2025	1	Error handling
14	Week-14	02.05.2025	1	Error handling
		03.05.2025	1	Introduction to Interpreter& its function
15	Week-15	05.05.2025	1	Loader
		07.05.2025	1	Loader
		09.05.2025	1	Difference between compiler & interpreter
		10.05.2025	1	Difference between compiler & interpreter
16	Week-16	12.05.2025	1	Seven phases of compiler
		14.05.2025	1	Seven phases of compiler
		16.05.2025	1	Difference between linker & loader
		17.05.2025	1	Difference between linker & loader