

LESSON PLAN 2024 (SUMMER)

Discipline: Information Technology	Semester: 4 th	Name of the Teaching faculty: Pranati Pattanaik
Subject:	No. of Days/per week class allotted: 04	Semester from date : 16/01/2021 to 26/04/2024
Operating System	Class Day	No. of weeks : 15
		Theory / Practical Topics
January 3rd	16-01-2024	Introduction, Objectives of operating system
	17-01-2024	explain functions of operating system.
	18-01-2024	Evolution of operating system
January 4th	22-01-2024	Structure of operating system.
	24-01-2024	Process management
	25-01-2024	Process control,
January 4 th	29-01-2024	interacting processes, Inter process messages.
	30-01-2024	Process scheduling,
	31-01-2024	job scheduling.
Feb 1st	01-02-2024	Process synchronization,
February 2nd	05-02-2024	Semaphore. ,Principle of concurrency,
	06-02-2024	Types of scheduling.
	07-02-2024	Memory management, Memory allocation techniques
February 3rd	08-02-2024	Contiguous memory allocation
	12-02-2024	non contiguous memory allocation
	13-02-2024	Swapping
February 4th	15-02-2024	Paging
	19-02-2024	Segmentation,
	20-02-2024	Virtual memory using paging,
February 5th	21-02-2024	Demand paging,
	22-02-2024	page fault handling.
	26-02-2024	Device management
February 5th	27-02-2024	Techniques for device management
	28-02-2024	Dedicated, shared and virtual.
	29-02-2024	Device allocation considerations i/o traffic control
March 1st		No Class
March 2nd	04-03-2024	I/o schedule, i/o device handlers.
	06-03-2024	Local desktop Virtualization
	07-03-2024	Spooling.
March 3rd	11-03-2024	Dead locks, Concept of deadlock.
	12-03-2024	System model
	13-03-2024	Dead lock detection
March 4th	14-03-2024	Resources allocation graph
	18-03-2024	Methods of deadlock handling
	19-03-2024	Recovery & prevention
March 5th	20-03-2024	Explain bankers algorithm
	21-03-2024	safety algorithm
	27-03-2024	File management, File organization
April 1st	28-03-2024	Directory & file structure,
	02-04-2024	Sharing of files
	03-04-2024	File access methods,
April 2nd	04-04-2024	File systems, reliability
	08-04-2024	Allocation of disk space
	09-04-2024	File protection,
April 3rd	10-04-2024	secondary storage management.
	15-04-2024	System programming
	16-04-2024	Compiler, functions of compiler. ,Compare compiler and interpreter.
April 4th	18-04-2024	Seven phases of compiler,
	22-04-2024	Seven phases of compiler,
	23-04-2024	brief description of each phase.
	24-04-2024	brief description of each phase.
	25-04-2024	REVISION



Signature of the Faculty