

Discipline: Information Technology	Semester : 4th	Name of the Teaching faculty: PranatiPattanaik	
Subject :	No.of Days/per week class allotted : 04	Semester from date : 10/03/2022 to 30/06/2022	
Operating System	Class Day	No. of weeks : 15	
		Theory / Practical Topics	
March 2nd	10/3/2022	Introduction	
	12/3/2022	Objectives of operating system	
March 3rd	14/03/2022	explain functions of operating system.	
	15/03/2022	Evolution of operating system	
	16/03/2022	Structure of operating system.	
	17/03/2022	Process management	
March 4th	21/03/2022	Process concept,	
	22/03/2022	Process control,	
	23/03/2022	interacting processes	
	24/03/2022	Inter process messages.	
March 5th	26/03/2022	Process scheduling,	
	28/03/2022	job scheduling.	
	29/03/2022	Process synchronization,	
	30/03/2022	Semaphore.	
April 1st	31/03/2022	Principle of concurrency,	
	2/4/2022	Types of scheduling.	
	April 2nd	4/4/2022	Types of scheduling.
		5/4/2022	Types of scheduling.
6/4/2022		Memory management	
7/4/2022		Memory allocation techniques	
April 3rd	9/4/2022	Contiguous memory allocation	
	11/4/2022	non contiguous memory allocation	
	12/4/2022	Swapping	
	13/04/2022	Paging	
April 4th	16/04/2022	Segmentation,	
	18/04/2022	Virtual memory using paging,	
	19/04/2022	Demand paging,	
	20/04/2022	page fault handling.	
April 5th	21/04/2022	Device management	
	23/04/2022	Techniques for device management	
	25/04/2022	Dedicated, shared and virtual.	
	26/04/2022	Device allocation considerations i/o traffic control	
May 1st	27/04/2022	I/o schedule, i/o device handlers.	
	28/04/2022	Spooling.	
	30/04/2022	Dead locks	
	2/5/2022	Concept of deadlock.	
May 1st	4/5/2022	System model	
	5/5/2022	Dead lock detection	
	7/5/2022	Resources allocation graph	

May 2nd	9/5/2022	Methods of deadlock handling
	10/5/2022	Recovery & prevention
	11/5/2022	Explain bankers algorithm
	12/5/2022	safety algorithm
	14/5/2022	File management
May 3rd	17/05/2022	File organization
	18/05/2022	Directory & file structure,
	19/05/2022	Sharing of files
	21/05/2022	File access methods,
May 4th	23/05/2022	File systems, reliability
	24/05/2022	Allocation of disk space
	25/05/2022	File protection,
	26/05/2022	secondary storage management.
	28/05/2022	System programming
June 1st	1/6/2022	Compiler
	2/6/2022	functions of compiler.
	4/6/2022	Compare compiler and interpreter.
June 2nd	6/6/2022	Seven phases of compiler,
	7/6/2022	Seven phases of compiler,
	8/6/2022	brief description of each phase.
	9/6/2022	brief description of each phase.