

Discipline: CSE	Semester: 4th	Name of the Teaching Faculty: NISHITA KINDO
Subject: OS	No. Of Days/per week class allotted: 4 periods per week (Mon, Tue, Wed, Thu)	Semester: From Date: 16-01-2024To Date:26-04-2024 No. Of Weeks: 15
Week	Class Date	Topics to be covered
1st	16.01.2024	Syllabus discussion
	17.01.2024	Recap on prerequisites
	18.01.2024	1.1Objectives and Explain functions of operating system.
2nd	22.01.2024	1.2 Evolution of Operating system
	24.01.2024	1.3 Structure of operating system
	25.01.2024	2. PROCESS MANAGEMENT 2.1 Process concept,
3rd	29.01.2024	2.1 process control, interacting processes,
	30.01.2024	2.1 inter process messages
	31.01.2024	2.2Implementation issues of Processes
	1.02.2024	2.3 Process scheduling
4th	05.02.2024	2.3 Job scheduling
	06.02.2024	2.4 Process synchronization, semaphore
	07.02.2024	2.4 Semaphore 2.5 Principle of concurrency,
	08.02.2024	2.5 Types of scheduling
5th	12.02.2024	2.5 Types of scheduling
	13.02.2024	3. MEMORY MANAGEMENT 3.1 Memory allocation Techniques.
	15.02.2024	3.1 Contiguous memory allocation 3.1 non contiguous memory allocation 3.2 Swapping
6th	19.02.2024	3.2 Swapping
	20.02.2024	3.3 Paging 3.3 Segmentation
	21.02.2024	3.3 virtual memory using paging,
	22.02.2024	3.4Demand paging, page fault handling.
7th	26.02.2024	Assignment cum Revision
	27.02.2024	4. DEVICE MANAGEMENT 4.1 Techniques for Device Management • Dedicated, • shared and virtual
	28.02.2024	Class test1
	29.02.2024	4.2 Device allocation considerations I/O traffic control & I/O Schedule.
8 th	4.03.2024	4.2 I/O traffic control & I/O Schedule
	6.03.2024	4.2 I/O Device handlers
	07.03.2024	4.2 I/O Device handlers 4.3 SPOOLING
9 th	11.03.2024	Assignment cum Revision

	12.03.2024	5. DEAD LOCKS 5.1 Concept of deadlock 5.2 System Mode
	13.03.2024	5.3 Dead Lock Detection
	14.03.2024	5.4 Resources allocation Graph
10 th	18.03.2024	5.5 Methods of Deadlock handling
	19.03.2024	5.6 Recovery & Prevention Deadlock
	20.03.2024	5.6 Explain Bankers Algorithm & Safety Algorithm
	21.03.2024	6. FILE MANAGEMENT 6.1 File organization Directory & file structure sharing of files
11 th	27.03.2024	Class Test 2
	28.03.2024	Assignment cum Revision
12 th	02.04.2024	INTERNAL
	03.04.2024	INTERNAL
	04.04.2024	6.2 File access methods, file systems, reliability
13 th	08.04.2023	6.3. Allocation of disk space
	09.04.2023	6.4 File protection, secondary storage management
	10.04.2023	7.0 SYSTEM PROGRAMMING 7.1 Concept of system programming and show difference from Application Compiler:
14 th	15.04.2023	7.2 Compiler, functions of compiler.
	16.04.2023	7.3 Compare compiler and interpreter 7.4 Seven phases of compiler
	18.04.2023	7.4 Seven phases of compiler, brief description of each phase.
15 th	22.04.2023	Assignment cum Revision Class Test 3
	23.04.2024	Doubt clearing class
	24.04.2024	Previous years question discussion
	25.04.2024	Previous years question discussion