

LESSON PLAN:

Discipline: CSE	Semester: 4th	Name of the Teaching Faculty: Mrs. Nishita Kindo
Subject: OS	No. Of Days/per week class allotted: 4 periods per week (Mon, Tues, Wed & Thus – 1 period each)	Semester: From Date:14-02-2023 To Date:23-05-2023
WEEK	CLASS DAY	THEORY /PRACTICAL TOPICS
1st	14-02-2023	Syllabus Discussion
	15-02-2023	1. INTRODUCTION
		1.1 Objectives and Explain functions of Operating system.
	16-02-2023	1.2 Evolution of Operating system
2nd	20-02-2023	1.3 Structure of Operating system.
	21-02-2023	2. PROCESS MANAGEMENT
		2.1 Process concept, process control,
	22-02-2023	2.1 interacting processes, inter process messages(Conti...)
	23-02-2023	2.2 Implementation issues of Processes.
3rd	27-02-2023	2.3 Process scheduling, job scheduling.
		Assignment Cum Revision
	28-02-2023	2.4 Process synchronization, semaphore
	01-03-2023	2.5 Principal of Concurrency, types of Scheduling
	02-03-2023	3. MEMORY MANAGEMENT
4th		3.1 Memory allocation Techniques
		3.1.1 Contiguous memory allocation
		3.1.2 Non- contiguous memory allocation
5th	06-03-2023	Class Test 1
	09-03-2023	3.2 Swapping
6th	13-03-2023	3.3 Paging.
	14-03-2023	3.3 Segmentation (Cont.)
	15-03-2023	3.3 virtual memory using paging Demand(Cont.)
	16-03-2023	3.3 Page fault handling (Cont.)
7th	20-03-2023	4. DEVICE MANAGEMENT
		4.1 Techniques for Device Management
	21-03-2023	4.1.1 Dedicated,
		4.1.2 Shared and 4.1.3 virtual.
	22-03-2023	4.2 Device allocation considerations I/O traffic control & I/O Schedule,
8th	23-03-2023	4.2 I/O Device handlers (conti....)
9th	27-03-2023	4.3 SPOOLING.
	28-03-2023	5. DEADLOCK
		5.1 Concept of deadlock,

	29-03-2023	5.2 System Model
8 th	03-04-2023	5.3 Dead Lock Detection
	04-04-2023	5.4 Resources allocation Graph
	05-04-2023	5.5 Methods of Deadlock handling(Part-1)
	06-04-2023	Class Test 2
9 th	10-04-2023	5.5 Methods of Deadlock handling(Part-2)
	11-04-2023	5.6 Recovery &Prevention,
	12-04-2023	5.6 Explain BANKERS Algorithm &
	13-04-2023	5.6 Safety Algorithm (conti...) Assignment Cum Revision
10 th	17-04-2023	6. FILE MANAGEMENT
	18-04-2023	6.1 File organization,
	19-04-2023	6.1 Directory & file structure, sharing of files(Conti..)
	20-04-2023	6.2 File access methods, file systems, reliability
		6.3 Allocation of disk space
11 th	24-04-2023 to 29-04-2023	Internal Assessment
12 th	01-05-2023	6.4 File protection,
	02-05-2023	6.4 secondary storage management (conti..)
	03-05-2023	7. SYSTEM PROGRAMMING
	04-05-2023	7.1 Concept of system programming and 7.1 show difference from Application Compiler (conti...) Assignment Cum Revision
13 th	08-05-2023	Class Test 3
	09-05-2023	7.2 Compiler, functions of compiler.
	10-05-2023	7.2 Compiler, functions of compiler.
	11-05-2023	7.3 Compare compiler and interpreter.
14 th	15-05-2023	7.4 Seven phases of compiler,
	16-05-2023	7.4 Brief description of each phase (conti.)
	17-05-2023	7.4 Brief description of each phase (conti.)
	18-05-2023	Revision Cum Assignment
15 th	22-05-2023	Previous Year Question Discussion
	23-05-2023	Doubt Clearing Class