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, Tue, Wed & Sat)**	Semester: **From Date:10-03-2022 To Date:10-06-2022**

WEEK	CLASS DAY	THEORY /PRACTICAL TOPICS
1st	12-03-2022	Syllabus Discussion
2nd	14-03-2022	**1. INTRODUCTION** 1.1 Objectives and Explain functions of Operating system.
	15-03-2022	1.2 Evolution of Operating system
	16-03-2022	1.3 Structure of Operating system.
3	21-03-2022	**2. PROCESS MANAGEMENT** 2.1 Process concept, process control,
	22-03-2022	2.1 interacting processes, inter process messages(Conti…)
	23-03-2022	2.2Implementationissues of Processes.
	26-03-2022	2.3Processscheduling, job scheduling. **Assignment Cum Revision**
4	28-03-2022	2.4Processsynchronization, semaphore
	29-03-2022	2.5 Principal of Concurrency, types of Scheduling
	30-03-2022	**3. MEMORY MANAGEMENT** 3.1 Memory allocation Techniques 3.1.2 Contiguous memory allocation
	02-04-2022	3.1.2 Non- contiguous memory allocation 3.2 Swapping
5	04-04-2022	**Class Test 1**
	05-04-2022	3.3 Paging, Segmentation,
	06-04-2022	3.3 virtual memory using paging Demand paging, page fault handling(conti..)
	09-04-2022	**4. DEVICE MANAGEMENT** 4.1 Techniques for Device Management 4.1.1 Dedicated, 4.1.2 Shared and 4.1.3 virtual.
6	11-04-2022	4.2 Device allocation considerations I/O traffic control & I/O Schedule,
	12-04-2022	4.2 I/O Device handlers (conti….)
	13-04-2022	4.3 SPOOLING.
	16-04-2022	**5. DEADLOCK** 5.1 Concept of deadlock,

7	18-04-2022	5.2 System Model
	19-04-2022	5.3 Dead Lock Detection
	20-04-2022	5.4 Resources allocation Graph
	23-04-2022	5.5 Methods of Deadlock handling
8	25-04-2022	5.5 Methods of Deadlock handling
	26-04-2022	5.6 Recovery &Prevention,
	27-04-2022	5.6 Explain BANKERS Algorithm &
	30-04-2022	5.6 Safety Algorithm (conti…) **Assignment Cum Revision**
9	02-05-2022	**Class Test 2**
	4-05-2022	**6. FILE MANAGEMENT** 6.1 File organization,
	7-05-2022	6.1 Directory & file structure, sharing of files(Conti..)
10	9-05-2022 to 14-05-2022	**Internal Assessment**
11	17-05-2022	6.2 File access methods, file systems, reliability
	18-05-2022	6.3 Allocation of disk space
	21-05-2022	6.4 File protection,
12	23-05-2022	6.4 secondary storage management (conti..)
	24-05-2022	**7. SYSTEM PROGRAMMING** 7.1 Concept of system programming and
	25-05-2022	7.1show difference from Application Complier (conti..)
	28-05-2022	**Assignment Cum Revision**
13	30-05-2022	7.2 Compiler, functions of compiler.
	31-05-2022	7.3 Compare compiler and interpreter.
	01-06-2022	7.4 Seven phases of compiler,
	04-06-2022	**Class Test 3**
14	06-06-2022	7.4 Brief description of each phase (conti..)
	07-06-2022	**Previous Year Question Discussion**
	08-06-2022	**Doubt Clearing Class**