

LESSON PLAN:

Discipline: IT	Semester: 4 th	Name of the Teaching Faculty: Mr.Samya Ranjan Nayak
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	10-03-2022	1.INTRODUCTION OF OS 1.1 Objectives and Explain functions of operating system.
	12-03-2022	1.2 Evolution of Operating system 1.3 Structure of operating system
2nd	14-03-2022	2.PROCESS MANAGEMENT 2.1 Process concept, process control,
	15-03-2022	2.2 interacting processes, 2.3 inter process messages.
	16-03-2022	Weekly Test-1
3rd	21-03-2022	2.4 Implementation issues ofProcesses
	22-03-2022	2.5 Process scheduling, job scheduling.
	23-03-2022	2.6 types of scheduling.
	26-03-2022	Weekly Test-2 Assignment Cum Revision
4th	28-03-2022	2.7 Process synchronization,
	29-03-2022	2.8 semaphore.
	30-03-2022	2.9 Principleof concurrency
	02-04-2022	Monthly Test-1
5th	04-04-2022	3MEMORY MANAGEMENT 3.1Memory allocationTechniques 3.1.1Contiguousmemoryallocation 3.1.2 Non- contiguous memory allocation
	05-04-2022	3.1.1.1Type of contiguous memory
	06-04-2022	3.1.2.1Type of non contiguous memory 3.1.2.1.1 Paging,
	09-04-2022	3.1.2.1.2 Segmentation 3.2 Swapping Assignment Cum Revision
	11-04-2022	3.4 virtual memory using paging(conti...) Demand paging, page fault handling
6th	12-04-2022	4.DEVICE MANAGEMENT 4.1Techniques for Device Management 4.1.1 Dedicated,Shared and virtual.
	13-04-2022	4.2 Device allocation considerations 4.2.0 I/O traffic control
	16-04-2022	4.2.1 I/O Schedule, Weekly Test-3

7th	18-04-2022	4.2.2 I/O Device handlers.
	19-04-2022	4.3 SPOOLING.
	20-04-2022	5. DEAD LOCK 5.1 Concept of deadlock. 5.2 System Model
	23-04-2022	5.3 Dead Lock Detection
8th	25-04-2022	5.4 Resources allocation Graph
	26-04-2022	5.5 Methods of Deadlock handling
	27-04-2022	5.6 Recovery & Prevention
	30-04-2022	5.7 Explain BANKERS Algorithm & Safety Algorithm Assignment Cum Revision
9th	02-05-2022	Monthly test
	04-05-2022	6 FILE MANAGEMENT 6.1 File organization, Directory & file structure, sharing of Files
	07-05-2022	6.2 File access methods, file systems, reliability
10th	09-05-2022 to 14-05-2022	Internal Assessment
11th	17-05-2022	6.3 Allocation of disk Space
	18-05-2022	6.4 File protection, secondary storage management.
	21-05-2022	7 SYSTEM PROGRAMMING 7.1 Concept of system programming and show difference from Application Compiler:
12th	23-05-2022	7.2 Compiler, functions of compiler.
	24-05-2022	7.3 Compare compiler and interpreter.
	25-05-2022	7.4 Seven phases of compiler, brief description of each phase.
13th	31-05-2022	Assignment Cum Revision
	01-06-2022	Assignment Cum Revision
	04-06-2022	Previous Year Question Paper Discussion
14th	06-06-2022	Previous Year Question Paper Discussion
	07-06-2022	Doubt Clearing Class
	08-06-2022	Exam 1
	10-06-2022	Exam 2