

NM Institute Of Engineering and Technology, Bhubaneswar

DEPARTMENT:CSE

LESSON PLAN: Academic Year 2022-23 (Even Semester)

COURSE: DIPLOMA

SEMESTER: 4th

Subject/Code: Operating System

Faculty Name: Mrs Rajashree Sukla

Sl. No.	Name of the Topic to Cover	Text Book	Teaching Method	Course Progress	Remark
1	Objectives of operating system	T1	P	100%	
2	Explain functions of operating system.	T2	G	100%	
3	Evolution of operating system	T2	P	99%	
4	Structure of Operating System	T3	G	98%	
5	Explain types of Operating System	T1	P	100%	
6	Differentiate multi programming and multi processing	T2	G	100%	
7	What is Real time operating system	T3	G	98%	
8	Process concept	T1	G	97%	
9	Process Control	T2	G	100%	
10	Interacting processes	T2	P	100%	
11	inter process messages	T3	G	100%	
12	Process Scheduling	T2	G	99%	
13	Semaphore	T1	G	98%	
14	Principle of Concurrency	T3	G	97%	
15	Types of concurrency	T1	G	99%	
16	Memory	T2	G	100%	
17	Continuous Memory allocation	T2	P	100%	
18	Non Continuous Memory Allocation	T1	G	99%	
19	Paging	T3	G	99%	
20	Demand Paging	T2	G	98%	
21	Segmentation	T1	G	100%	
22	Virtual Memory	T3	P	100%	
23	Swapping	T2	G	99%	
24	Swapping	T1	G	98%	
25	Virtual memory using psaging	T3	G	100%	
26	Page fault handling	T2	G	99%	
27	Device management	T2	P	98%	
28	Dedicated Device Management	T1	P	97%	
29	shared Device Management	T2	G	97%	
30	Device allocation consideration	T1	G	100%	
31	I/O Traffic Control	T2	G	100%	
32	I/O schedule Control	T2	G	100%	

33	I/O Device Handler	T1	G	99%
34	Spolling	T1	P	100%
35	Deadlock	T1	P	98%
36	System call	T2	G	99%
37	deadlock Detection	T3	G	100%
38	Resourse Allocation Grasph	T3	G	100%
39	Method of Deadlock handling	T2	P	100%
40	Recovery and Prevenson	T1	P	99%
41	Explain Bankers algorithm and safety algorithm	T3	G	100%
42	File Organization	T2	G	100%
43	File Directory	T1	G	99%
44	File Structure	T2	G	98%
45	Sharing of files	T3	P	99%
46	File access method	T3	P	98%
47	File System	T2	G	100%
48	reliability	T1	P	100%
49	Allocation of disc space	T3	P	100%
50	file protection	T3	G	99%
51	Secondary storage Management	T2	P	98%
52	System Programming	T2	P	100%
53	Why system programming is important	T3	G	100%
54	Differentiate it from application compiler	T3	P	100%
55	Function of Compiler	T2	P	100%
56	What is interpreter	T1	G	99%
57	Differentiate compiler and Interpreter	T3	P	100%
58	7 Phases of Compiler	T3	P	99%
59	Description of all phases of compiler	T2	G	100%
60	Explanation of all phases with proper diagram	T2	G	100%

Method of Teaching

G: Green Board Teaching

P: Power Point Teaching

Faculty Signature Rajashree Sala

At the end of this course, students will be able to:

Understand the concepts Operating system and all its real time applications

TEXT BOOKS:

Demovan

Silverschz, Galvin

Er Rajiv Chopra