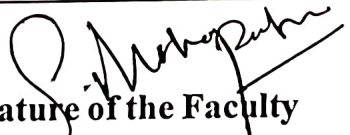


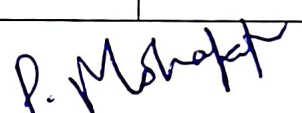
LESSON PLAN

Name of the Institute:		C. V. Raman Polytechnic
Department:		Computer Science & Engineering
Semester/Division/Branch:		4 th sem/CSE
Subject Name with code:		Operating System(TH-1)
Total No. of Class (Required):		60
Faculty Name:		Subhasish Das Mohapatra
Class No.	<i>Brief description of the Topic/Chapter to be taught</i>	Remarks
1	Objectives and Explain functions of operatingsystem.	
2	Evolution of Operating system	
3	Structure of operating system.	
4	PROCESS MANAGEMENT	
5	Process concept, process control, interacting processes, inter process messages.	
6	Process concept, process control, interacting processes, inter process messages.	
7	Implementation issues of Processes.	
8	Implementation issues of Processes.	
9	Process scheduling, job scheduling.	
10	Process scheduling, job scheduling.	
11	Process synchronization, semaphore.	
12	Process synchronization, semaphore.	
13	Principle of concurrency, types of scheduling.	
14	Principle of concurrency, types of scheduling.	

15	MEMORY MANAGEMENT	
16	Memory allocation Techniques	
17	Contiguous memory allocation	
18	Contiguous memory allocation	
19	non contiguous memory allocation	
20	Swapping	
21	Paging	
22	Segmentation, virtual memory using paging,	
23	Segmentation, virtual memory using paging,	
24	Demand paging, page fault handling.	
25	Demand paging, page fault handling.	
26	DEVICE MANAGEMENT	
27	Techniques for Device Management	
28	Dedicated,	
29	shared	
30	virtual.	
31	Device allocation considerations I/O traffic control	
32	I/O Schedule,	
33	I/O Device handlers.	
34	SPOOLING	
35	DEAD LOCKS	
36	Concept of deadlock.	
37	Concept of deadlock.	
38	System Model	
39	Dead Lock Detection	
40	Resources allocation Graph	
41	Resources allocation Graph	

42	Explain Bankers Algorithm & Safety Algorithm	
43	FILE MANAGEMENT	
44	File organization	
45	Directory & file structure	
46	sharing of files	
47	File access methods	
48	File access methods	
49	file systems	
50	reliability	
51	Allocation of disk space	
52	File protection	
53	secondary storage management	
54	SYSTEM PROGRAMMING	
55	Concept of system programming	
56	show difference from Application Compiler	
57	Compiler , functions of compiler.	
58	Compiler , functions of compiler.	
59	Compare compiler and interpreter	
60	Seven phases of compiler	


Signature of the Faculty


Signature of the H.O.D