

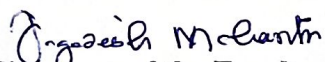
LESSON PLAN

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:	Jagdish Mahanta	

Class No.	Brief description of the Topic/Chapter to be taught	Remarks
1	Objectives and Explain functions of operating system.	
2	Evolution of Operating system	
3	Structure of operating system.	
4	PROCESS MANAGEMENT	
5	Process concept, process control, interacting processes, interprocess messages.	
6	Process concept, process control, interacting processes, interprocess 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	MEMORYMANAGEMENT	
16	Memory allocationTechniques	
17	Contiguous memoryallocation	
18	Contiguous memoryallocation	
19	non contiguousmemoryallocation	
20	Swapping	
21	Paging	
22	Segmentation,virtualmemoryusingpaging,	
23	Segmentation,virtualmemoryusingpaging,	
24	Demand paging,pagefaulthandling.	
25	Demand paging,pagefaulthandling.	
26	DEVICEMANAGEMENT	
27	TechniquesforDeviceManagement	
28	Dedicated,	
29	shared	
30	virtual.	
31	DeviceallocationconsiderationsI/Otraffic control	
32	I/OSchedule,	
33	I/ODevicehandlers.	
34	SPOOLING	
35	DEAD LOCKS	
36	Concept ofdeadlock.	
37	Concept ofdeadlock.	
38	SystemModel	
39	DeadLockDetection	
40	ResourcesallocationGraph	
41	ResourcesallocationGraph	

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	Concepts 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