Lesson Plan

Name of the Faculty : Dr. Gayatri

Discipline : BCA

Semester : 4th

Subject : Operating Systems (BCA 202 B)

Lesson Plan Duration : 15 weeks(from January, 2018 to April, 2018)

Work Load (Lecture/Practical)per week(in hours): Lecture: 3 , Practical: NIL

Week	Theory		Practical	
	Lecture Day	Topic(including Assignment/Test)	Practical Day	Topic
1st	1st	Introduction to Operating System, its need	1st	
	2nd	operating System services, Early systems,	2nd	
	3rd	Structures - Simple Batch		
2nd	4th	Multiprogrammed,timeshared	3rd	
	5th	Personal Computer, Parallel,	4th	
	6th	Distributed Systems, Real-Time Systems.		
3rd	7th	Process concepts	5th	
	8th	Process states and Process Control Block.	6th	
	9th	CPU Scheduling: Scheduling criteria		
4th	10th	Levels of Scheduling	7th	
	11th	Scheduling algorithms	8th	
	12th	Scheduling algorithms		
5th	13th	Scheduling algorithms	9th	
	14th	Multipleprocessor scheduling.	10th	
	15th	Deadlock characterization,		
6th	16th	Deadlock handling	11th	
	17th	Deadlock handling	12th	
	18th	Deadlock handling		
7th	19th	Deadlock handling	13th	
	20th	Critical section problem	14th	
	21st	Critical section problem		
8th	22nd	Semaphores,	15th	
	23rd	Classical process co-ordination	16th	

		problems and their solutions,		
	24th	Classical process co-ordination problems and their solutions,		
9th	25th	Classical process co-ordination problems and their solutions,	17th	
	26th	Inter-process Communications.	18th	
	27th	memory management of single-user		
10th	28th	multiuser operating system	19th	
	29th	partitioning,	20th	
	30th	partitioning,swapping		
11th	31st	Paging	21st	
	32nd	Segmentation	22nd	
	33rd	virtual memory		
12th	34th	Page replacement Algorithms	23rd	
	35th	Page replacement Algorithms	24th	
	36th	File concept		
13th	37th	Access methods	25th	
	38th	Directory Structure	26th	
	39th	File protection.		
14th	40th	Allocation methods: Contiguous, linked and index allocation.	27th	
	41st	Allocation methods: Contiguous, linked and index allocation.	28th	
	42nd	Disk structure		
15th	43rd	Disk scheduling: FCFS, SSTF	29th	
	44th	SCAN, CSCAN	30th	
	45th	LOOK, C-LOOK.		