

**DR B.R. AMBEDKAR NATIONAL INSTITUTE OF
TECHNOLOGY JALANDHAR,
PUNJAB, INDIA**



Operating Systems Laboratory

CSX-325

Session: July-Dec 2019

SUBMITTED TO-

Dr. D. K. Gupta
Associate Professor
CSE Department

SUBMITTED BY-

Name – Ankit Goyal
Roll no - 17103011
Group - G-1
Branch - CSE

INDEX

S. No.	Experiment Name	Date	Page No.	Remarks
1.	Using Linux Commands		1	
2.	Writing Shell Scripts		2	
3.	To implement FCFS Scheduling		4	
4.	To implement SRN Scheduling		6	
5.	To implement RR Scheduling		9	
6.	To implement LCN Scheduling		13	
7.	To implement Priority Based Non preemptive Scheduling		16	
8.	To implement Priority Based preemptive Scheduling		19	
9.	To implement Bankers Algorithm for deadlock prevention		23	
10.	To implement Producer Consumer Problem with Bounded Buffer		26	
11.	To implement Producer Consumer Problem with Unbounded Buffer		28	
12.	To implement Reader Writer Problem		30	
13.	To implement Dining Philosopher Problem		34	
14.	To implement Reader Writer Problem Using Semaphores		37	
15.	To implement Dining Philosopher Problem Using Semaphores		40	
16.	To implement of Dekker' algorithm		43	
17.	To implement of Bakery algorithm		45	
18.	To implement FIFO Page Replacement Policy		48	
19.	To implement LRU Page Replacement Policy		50	
20.	To implement Optimal Page Replacement Policy		52	