OPERATING SYSTEMS LAB

II B. Tech. - II Semester	L	T	P	C
Course Code: A3CS17	-	-	3	2

OBJECTIVES:

1. To use Linux operating system for study of operating system concepts
2. To write the code to implement and modify various concepts in operating systems using
   a. Linux.

OUTCOMES:

1. The course objectives ensure the development of students applied skills in operating systems related areas.
2. Students will gain knowledge in writing software routines modules or implementing various concepts of operating system.

LIST OF PROGRAMS:

1. Simulate the following CPU scheduling algorithms
   a. Round Robin b. SJF c. FCFS d. Priority
2. Simulate MVT and MFT
3. Simulate all page replacement algorithms
   a. FIF b. LRU c. OPTIMAL
4. Simulate Paging technique of memory management.
5. Simulate all file allocation strategies
   a. Sequential b. Indexed c. Linked
6. Simulate all File Organization Techniques
   a. Single level directory b. Two level
7. Simulate Bankers Algorithm for Dead Lock Avoidance.
8. Simulate Bankers Algorithm for Dead Lock Prevention

TEXT BOOKS:

1. Abraham Silberschatz, Peter Baer Galvin, Greg Gagne (2006), Operating System Principles, 7 the edition, Wiley India Private Limited, New Delhi.