

CS 9257

OPERATING SYSTEMS LABORATORY

L T P C
0 0 3 2

AIM:

To have hands-on experience in operating system concepts and programming in the UNIX environment.

OBJECTIVES:

- To learn shell programming and the use of filters in the UNIX environment.
- To learn to program in C using system calls.
- To learn to use the file system related system calls.
- To have a knowledge in how processes are created and processes communicate.
- To learn how process synchronization is done using semaphores.

Experiments in the following:

1. Basic UNIX commands.
2. Shell Programming.
3. Grep, sed, awk.
4. File system related system calls.
5. Process management – Fork, Exec.
6. Message queues.
7. Pipes, FIFOs.
8. Signals.
9. Shared memory.
10. Semaphores.

TOTAL: 45 PERIODS