**B. TECH - COMPUTER SCIENCE AND ENGINEERING (V SEMESTER)**

**CST 303Concurrent and Parallel Programming Lab**

**Week: 7**

1. Implement the solution of producer-consumer bounded buffer problem with a monitor.





1. Implement the solution of Dining philosophers with a monitor.



1. Consider a system consisting of processes P1, P2, ..., Pn, each of which has a unique priority number. Write a monitor that allocates three identical line printers to these processes, using the priority numbers for deciding the order of allocation.
2. Develop a simulation of monitors by semaphores.