

DEPARTMENT OF ARTIFICIAL INTELLIGENCE
COMPUTER SYSTEMS LAB

BTech (AIML) III Year I Semester			Dept. of Artificial Intelligence					
Code	Category	Hours / Week		Credits	Marks			
	PCC-Lab	L	T	P	CIE	SEE	Total	
		0	0	3	1.5	50	50	100

List of Programs

1. Program for
 - a. Simulating CPU scheduling algorithms (Round Robin, Priority, FCFS, SJF)
 - b. using system calls: fork, exit
2. Program for implementing the following problem using shared memory and semaphores
 - a. Producer-Consumer problem
 - b. Readers-writers problem
 - c. Dining philosopher problem
3. Program using multithreading (pthreads)
4. Create a client-server application using any programming language
5. Study of different types of Network cables and practically implement the cross-wired cable and straight through cable using clamping tool
6. Configuring network chord, switch and router
7. Usage of packet tracer software