**OS Lab Assignment-4**

Date : 13/8/2018

1. Write a separate C program to implement FCFS, SJF and SRTF scheduling algorithms with the following specifications.

a) Read from user the inputs arrival time and burst time for N number processes. (Each process must be assigned a unique number.)

b) Compute completion time, response time, turn- around-time, waiting for each process. Also compute ATAT and AWT.

c) Print the Process scheduling table with entries (Pno, AT, BT, CT, TAT, WT)

d) Print the Gantt Chart also.

Please name these source files as FCFS.c, SJF.c and SRTF.c; compile them to get object files named FCFS.o, SJF.o and SRTF.o respectively.

2. Write a C program ScheduleFork that creates 3 children processes and have each one of them to execute the programs FCFS.o, SJF.o and SRTF.o respectively.

For e.g to pass FCFS.o to a child process from the parent process,

*execlp("./FCFS.o", "./FCFS.o", 0);*