

Faculty of Engineering & Technology Department of Electrical & Computer Engineering ENCS3390: Operating System Concepts First Semester, 2023/2024

Assignment 2

Published: Nov 27, 2023. Due: Dec 7, 2023 by midnight.

Consider the following set of processes:

Process	Arrival Time	Burst Time	Priority
P1	0	10	3
P2	1	8	2
P3	3	14	3
P4	4	7	1
P5	6	5	0
P6	7	4	1
P7	8	6	2

For each of the following scheduling algorithms, show the Gantt chart, average waiting time, and average turnaround time.

- 1- First Come First Served.
- 2- Shortest Job First.
- 3- Shortest Remaining Time First.
- 4- Round Robin, with q = 5
- 5- Priority Scheduling, with aging; where priority is decremented by 1 if the process remains in the ready queue for 5 time units.