

Cankaya University - SENG315 - 2023 Fall – Assignment II

Consider the following set of processes that arrive at time 0, with the length of the CPU bursts given in milliseconds. Use FCFS, Non-preemptive SFJ and RR scheduling algorithm with a time quantum of 10 milliseconds. Give the **Gantt charts** and calculate the **average waiting time** and **turnaround** values.

Process	Burst Time
Write your student number:	
P ₁	2 nd and 4 th digit of your student number :
P ₂	1 st and 3 rd digit of your student number :
P ₃	5 th and 7 th digit of your student number :
P ₄	6 th and 1 st digit of your student number :
P ₅	7 th and 2 nd digit of your student number :
Note: If the first digit of processes (based on your student number) is zero, use only the second digit. If both are zero use 1. Omit the “c” character in front of your student number.	

1. FCFS

2. Non-preemptive SFJ

3. RR with time quantum = 10 milliseconds