

| Process | Arrival Time | Burst Time | Priority |
|---------|--------------|------------|----------|
| P1 | 0 | 27 | 5 |
| P2 | 3 | 14 | 7 |
| P3 | 5 | 7 | 1 |
| P4 | 7 | 13 | 2 |
| P5 | 2 | 11 | 6 |
| P6 | 1 | 20 | 9 |

KSA01:

1. Apply the First Come First Serve algorithm and identify the average waiting time and average turn around time with the step-by-step calculation process. (Skip priority in case of this calculation) Represent the scenario with the help of a Gantt Chart.
2. Apply Shortest-Job-First and identify the differences of average waiting time and average turn around time in respect to First Come First Serve algorithm with step-by-step calculation. Represent the scenario with the help of a Gantt Chart. (Skip priority in case of this calculation)

KSA02:

1. Apply Round Robin algorithm and identify the differences of average waiting time and average turn around time in respect to other two algorithms with step-by-step calculation considering quantum as 5 (Skip priority in case of this calculation). Represent the scenario with the help of a Gantt Chart.
2. Apply Priority Scheduling algorithm and identify the differences of average waiting time and average turn around time in respect to all other calculated algorithms with step-by-step calculation. Represent the scenario with the help of a Gantt Chart.
3. Show a detailed diagram in comparison with all the solved algorithm.