

Simulation of Scheduling in Real-Time Systems Model: MyModel

Table 1: Tasks

| Task number | Arrival Time | Execution Time | Deadline | Period |
|-------------|--------------|----------------|----------|--------|
| 1 | 0 | 24 | 100 | 100 |
| 2 | 0 | 20 | 80 | 80 |
| 3 | 0 | 20 | 60 | 60 |

Table 2: Average Turnaround Times

| Task | Average Turnaround Time |
|-------------------------------|-------------------------|
| 1 | 26 |
| 2 | 29.3333 |
| 3 | 33 |
| Total Average Turnaround Time | 29.4444 |

Table 3: Simulation Results in Numbers

| | |
|-----------------------------|----|
| CPU Idle Time | 12 |
| Number of Deadlines reached | 8 |
| Number of Deadlines missed | 1 |
| Number of Completed tasks | 3 |
| Number of Tasks | 3 |

Table 4: Simulation Results in Percentage

| | |
|------------------|----------|
| CPU Idle Time | 6% |
| Deadlines missed | 11.1111% |
| Completed tasks | 100% |



