**Identify the criteria and the possible changes for redesign**

The redesign of the admission process is driven by a strategic focus on optimizing resource utilization, enhancing efficiency, and bolstering overall cost-effectiveness. One pivotal change involves the increased allocation of resources, specifically elevating the count to 15 for both Academic and Admissions Coordinators. This intentional adjustment seeks to cultivate a more balanced workload, empowering coordinators to navigate the intricacies of the admission tasks with greater efficacy.

In parallel, a targeted refinement in the time allocation for critical decision-making steps has been implemented. Notably, the time dedicated to the "Review Application" and "Identify eligible funds and scholarships" tasks has been judiciously reduced to 30 minutes each. This recalibration is designed to streamline these pivotal stages, fostering a nimble and precise assessment of applications, thereby contributing to quicker and more accurate decision-making.

Moreover, a nuanced financial aspect has been introduced into the redesign. The "Request admission application" task now incurs a nominal fee of €10.00. This addition is strategic, serving as a potential means to offset costs and contribute to the overall revenue stream. Simultaneously, the application completion rate has been elevated to an ambitious 95%, signifying a commitment to improving the success rate in processing applications.

In summation, these multifaceted changes coalesce to address critical criteria in the redesign, encompassing resource optimization, time efficiency, cost-effectiveness, and a heightened level of accuracy in decision-making throughout the admission process.

**Observations and Comparison:**

**To-Be Process Model:**

- Total Cycle Time: 1427 hours, 23 minutes, 33 seconds

- Resource Consumption: 453 hours, 50 minutes

- Average Cost: €224.26

- Minimum Cost: €190.00

- Maximum Cost: €285.00

- Total Costs: €29,201.67

**As-Is Process Model:**

- Total Cycle Time: 3006 hours, 56 minutes, 23 seconds

- Resource Consumption: 550 hours, 40 minutes

- Average Cost: €263.83

- Minimum Cost: €205.00

-Maximum Cost: €415.00

- Total Costs: €32,243.33

**Observations:**

**1. Total Cycle Time:**

- The To-Be model demonstrates a substantial improvement in cycle time, reducing it by approximately 52.5%. This significant reduction indicates a more streamlined and efficient admission process.

**2. Resource Consumption:**

- The To-Be model shows a decrease in resource consumption by about 17.5%. This reduction suggests improved resource utilization, possibly due to the optimized allocation of coordinators and task-specific changes.

**3. Average Cost:**

- The To-Be model exhibits a lower average cost (€224.26) compared to the As-Is model (€263.83). This suggests that the redesign has contributed to cost savings in the admission process.

**4. Minimum and Maximum Costs:**

- The minimum and maximum costs in the To-Be model are lower than those in the As-Is model. This indicates more consistent and predictable costs in the redesigned process.

**5. Total Costs:**

- The To-Be model results in lower total costs (€29,201.67) compared to the As-Is model (€32,243.33), demonstrating overall cost-effectiveness.

**Overall Observations:**

- The To-Be process model has successfully addressed the redesign criteria, leading to improved efficiency, reduced resource consumption, and lower costs.

- Streamlining tasks, optimizing resource allocation, and introducing changes in task execution times and costs have collectively contributed to the observed improvements.

- The redesign has not only enhanced the overall performance of the admission process but has also resulted in cost savings, making the process more economical and sustainable.