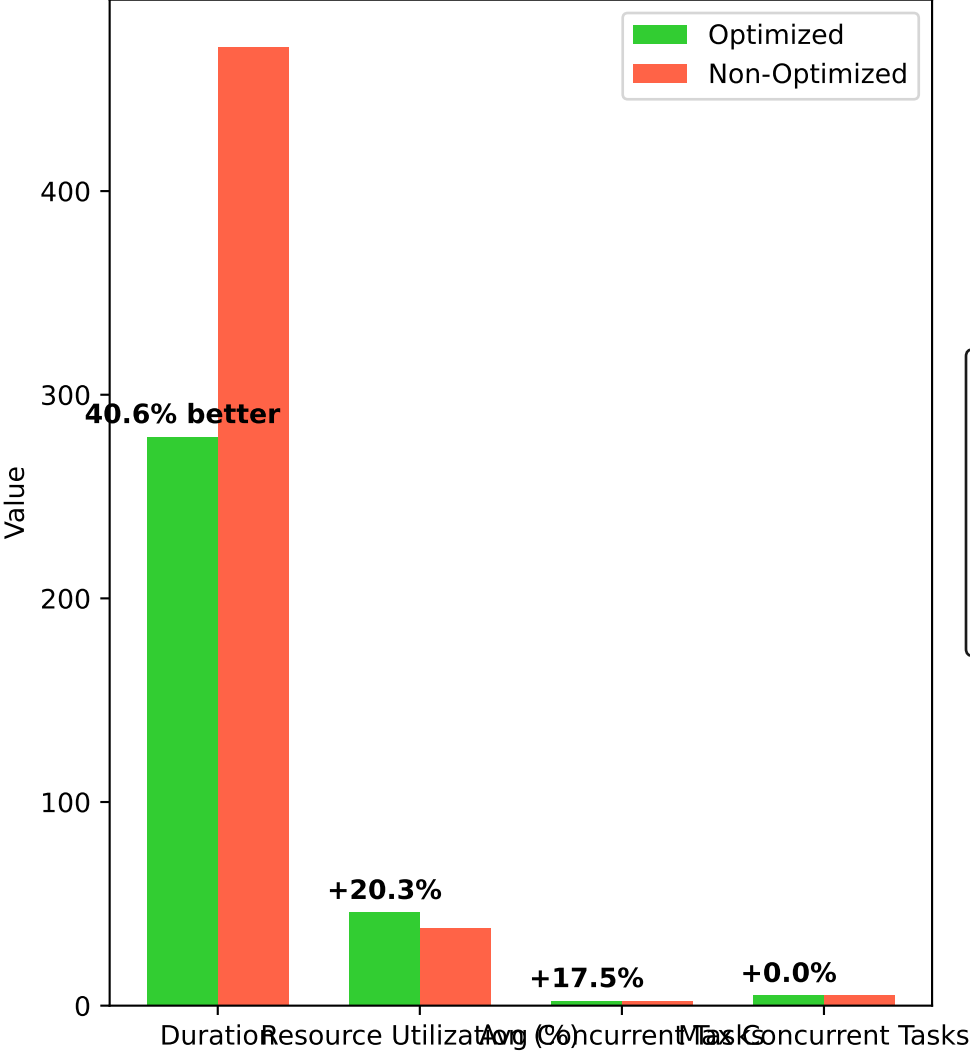Comparison: Optimized vs Non-Optimized Schedule

COMPARISON ANALYSIS:
This chart compares the schedule optimized by the genetic algorithm against a non-optimized schedule with the same tasks and constraints.

The genetic algorithm achieves significant improvements in:
• Project duration: 40.6% reduction
• Resource utilization: 20.3% improvement
• Task parallelization: 17.5% more concurrent tasks

These improvements translate to faster project completion, better resource efficiency, and lower costs in real-world scenarios.