CSP SCHEDULING PROJECT REPORT

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Student Names: [Your Name 1], [Your Name 2], [Your Name 3]

Course: CSCI 384 AI

Date: [Submission Date]

PROJECT OVERVIEW

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This report documents the implementation and analysis of a Constraint Satisfaction Problem (CSP) solver for scheduling problems. The project demonstrates advanced AI concepts including backtracking search, heuristic optimization, and constraint propagation.

IMPLEMENTATION SUMMARY

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[Describe your implementation approach and key components]

PART 1: CORE CSP IMPLEMENTATION (40 points)

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[Document your CSP solver implementation]

PART 2: SCHEDULING PROBLEM FORMULATION (30 points)

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[Explain how you formulated the scheduling problem as a CSP]

PART 3: DESKTOP GUI APPLICATION (20 points)

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[Describe your GUI implementation and features]

PART 4: ANALYSIS & QUESTIONS (10 points)

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[Answer the conceptual questions]

PERFORMANCE ANALYSIS

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[Include performance comparison charts and analysis]

CONCLUSIONS

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[Summarize findings and lessons learned]

APPENDIX

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[Include any additional materials, code snippets, or data]