Title

XXX XXX(Name), XXXXXXXXR(matriculation number)

# I. INTRODUCTION

Note: This is a template for assignment 1, COMP5511 Artificial Intelligence Concepts. Give a brief introduction about TSP, GA, etc here.

# II. Methodology

Note: Include five subsections regarding the five tasks. In each subsection, you should describe the designed algorithm, including the overall framework, crossover and mutation operators, selection operators, and other components.

## A. Subtitle

Present your methodology here.

# III. Experimental results

Note: Include five subsections regarding the five tasks. In each subsection, you should provide the experimental results, carry out sensitive studies with the various parameters, e.g., the population size, and discuss the effects of changing these parameters. You need to show the results in various formats, such as tables, figures, etc.

# IV. Conclusion

Note: You should summarize what you have learned and your findings.