

# Algorithm Design and Analysis

## Assignment Four

Due Friday 20 December 2020

The purpose of this assignment is to develop a software system that uses the skills developed through the course together with one or more algorithms that have been investigated through independent study.

The completed system will be graded according to the following scheme:

- choice of algorithm(s) involving independent study  
(10 marks)
- pseudocode and explanation for the algorithm(s)  
(5 marks)
- detailed UML diagram for the system design  
(5 marks)
- implementation of the system including algorithm(s)  
(15 marks)
- utilization of concepts from the course  
(5 marks)