Faculty of Engineering & Technology

Electrical and Computer Engineering Department

Artificial Intelligence ENCS3340

Project Report:

Local Package Delivery Operations

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Abstract

The aim of this project is to solve a real world problem using local search algorithms such as simulated annealing and genetic mutation. The project description involves building a java program for a small package delivery shop. This shop has a number of vehicles, each with a certain capacity, and the packages that need to be delivered to specific locations. Using the search algorithms, we explore many different routes each differ from one another by a local change. Then, we choose the best route with the lowest path cost from all the generated routes for each of the algorithms.

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