

**ROUTING OF SOLID WASTE COLLECTION VEHICLES FOR URBAN
AREA**

By

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ABSTRACT

One of the major transportation problems is routing vehicles from one place to another. With the massive and complicated road network of a modern city, identifying routes to use while collecting refuse is not a simple task. In network theory, this is the shortest path problem. Shortest path algorithms are often used to solve the problem. These algorithms may also produce solutions that are not appropriate in terms of time, e.g., they may cause the drivers to take more time to reach a place.

In this project, we propose to use Decision Support System tool to solve the routing of refuse collection vehicles in a modern city. The tool to be used is the Computerized Simulation Modelling. A simulation model will be developed that will aid in decision making in the attempt to route the refuse collection vehicles in urban area.