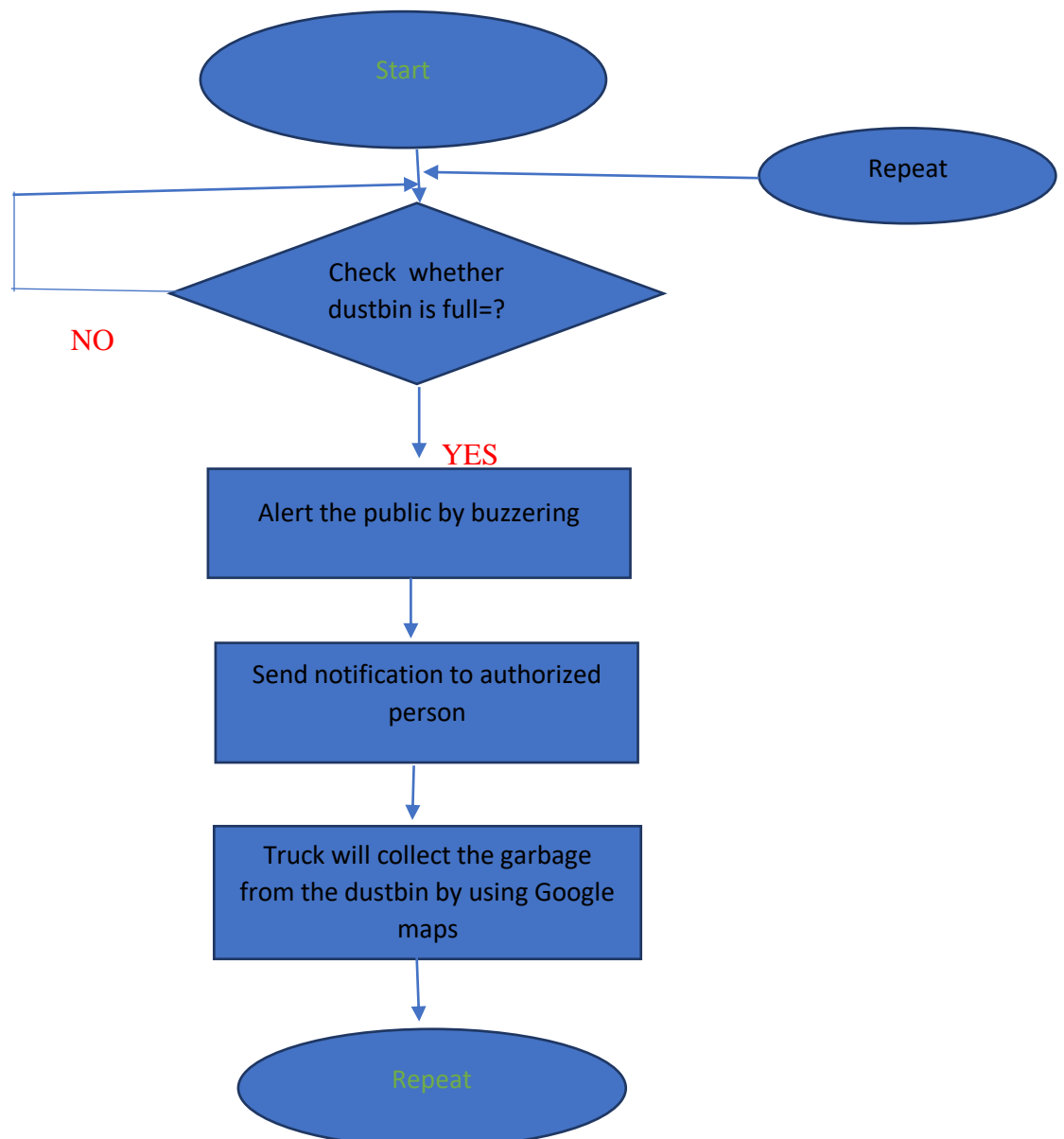# PROJECT DESIGN PHASE-2

DATA FLOW DIAGRAM

Smart Waste Management System for Metropolitan Cities

Data Flow Diagrams:

A Dataflow Diagram (DFD) is a traditional visual representation of the information flows with a system .A neat and clear DFD can depict the right amount of the system requirement graphically.

It show how data enters and leaves the system , what changes the information and where data is stored. A smart waste management platform uses analytics to translate the data gather in your bins into actionable insights to help you improve your waste services.

You can receive data on metric such as:

- The first test conducted is the situation where the garbage bins is empty or its garbage level is very low.
- Then ,the bin is filled with more garbage until its level has Surpassed the first threshold value, which is set of 50% then the first warning SMS is being sent, as depicted
- The first notification SMS sent by the system, once the waste reaches the level of 50% full
- The number of bins needed to avoid overflowing waste
- The number of collection service that could be saved.
- The amount of fuel be could saved.
- The driving distance that could be saved.
- Using Google maps for finding the location of bins easily